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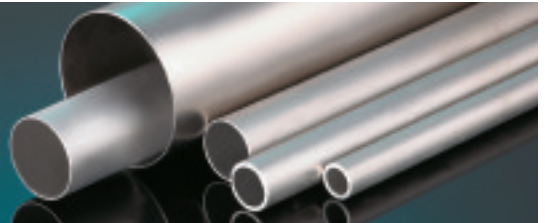
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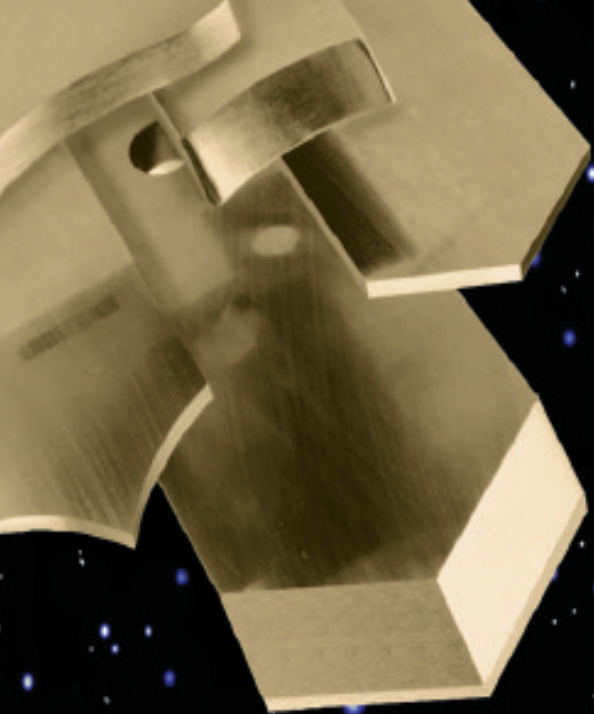


Stellar Tube & Pipe Group Co., Ltd.

www.stellarpipe.com

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E-mail: zhanglei_he@hotmail.com

E-mail: Sales@ruidatong.com

Web: www.ruidatong.com

Editorial Office:

Editor Mr Rory McBride
Email: rory@intras.co.uk

Editorial Assistant Mr Christian Bradley
Email: christian@intras.co.uk

Design & Production Ms Lisa Benjamin
Email: lisa@intras.co.uk

Publisher Ms Caroline Sullens

Founder Mr John C Hogg

Online Magazine & Website Force 8 Media Ltd
Email: info@force8media.com

Advertisement Material & Production:

Ms Liz Hughes Email: liz@intras.co.uk
Ms Andrea McIntosh Email: andrea@intras.co.uk

International Advertising Sales:

Ms Catherine Sayers (All English speaking countries)
Email: catherine@intras.co.uk • Tel: +44 1926 834688

Ms Hendrike Morriss – Verkauf & Marketing
(Deutschland, Österreich, Schweiz)
Email: hendrike@intras.co.uk • Tel: +44 1926 834687

Ms Giuliana Benedetto – Vendite & Marketing (Italia)
Email: giuliana@intras.co.uk • Tel: +44 1926 834686

Ms Linda Li – 中国大陆, 台湾, 香港以及远东地区销售代表
Email: linda@intras.co.uk • Tel: +44 1926 834685

Ms Jeroo Vandrevale – Indian Sales
(English, Hindi & Gujarati speaking)
Email: jeroov@vsnl.com • Tel: +91 33 24070701

Subscriptions:

Subscriptions Manager Ms Liz Hughes
Email: liz@intras.co.uk
Tel: +44 1926 334137

Accounts Manager Mr Richard Babbedge
Email: richard.b@intras.co.uk

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Europe: 46 Holly Walk, Leamington Spa
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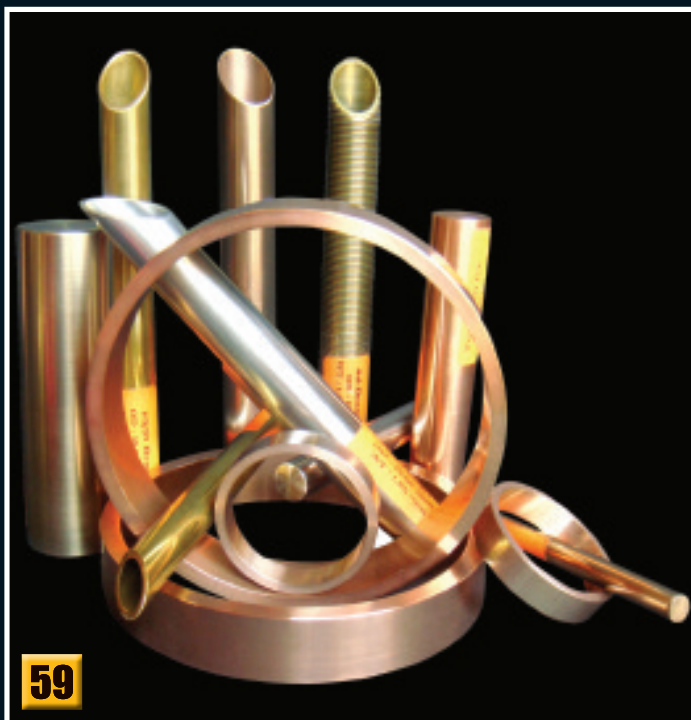
USA: EDITORIAL ONLY
Ms Dorothy Fabian
272 First Avenue, Apt 12G
New York, NY 10009, USA
Tel: +1 212 614 9266 • Fax: +1 212 614 9266
Email: dfabian@rcn.com

India: Intras Ltd, Jeroo Vandrevale
Subarna (Ground Floor) P21/N, Block A
New Alipore, Kolkata 700 053, India
Tel: +91 33 2407 07 01 • Fax: +91 33 2407 07 00
Email: jeroov@vsnl.com

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January 2010

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Tube[®]
Düsseldorf

12-16 April 2010
Düsseldorf, Germany

48

Photo: Jay M



Tube Products

INTERNATIONAL

The World of Tube & Pipe Products, Materials & Ancillaries

Plenty of positives for 2010



Having recently returned from my first FabTech in Chicago I was very impressed with just how busy the show was – but more pertinently you could really sense a growing atmosphere of optimism in the industry which, although it was still mixed with a certain degree of caution, was heartening and, I would say, more than justified after seeing some of the fantastic products at firsthand. I was taken aback

by the passion with which people from the industry talked about their products, and it offered me an invaluable insight, so a big thank you to everyone who was kind enough to take the time to talk to me. I learnt more about the industry over the four days of the show than I could ever have imagined.

Speaking to companies and their representatives from all areas of the tube and pipe industry, I also got an incredible sense of what a close knit community it is, and that, despite the recent troubled economic times, there was a determination that, ultimately, quality pipe products will always be needed so there must be no compromise in terms of standards. However difficult things get in other industries around the globe, there are certain areas of industry that are essential, that the world simply cannot do without, pipes and tubes being one of them, and a continued emphasis on innovation and attention to detail has seen tube and pipe producers through the worst of the recession. It's not over yet but the signs are promising.

But what I also found most interesting was the sheer amount of goodwill and lighthearted rapport between different companies and areas of the industry, with plenty of people happy to offer advice and tips to rivals and most attendees relieved to see old friends arriving at the show, having made it through the worst of the recession (some of them have made it safely through a few recessions in their lifetime). And by the simple act of ensuring that they have a presence at the show – when I am sure it was all too tempting to save on travel and exhibition costs – showing that they are all supporting the industry on which all of our livelihoods depend and continuing to think and plan for the long term rather than think of short-term savings. A wise move I would suggest.

And my world tour continues. This is my first issue of Tube Products International that I will be taking to Düsseldorf and from looking at the list of exhibitors, which seems to grow on a daily basis, it seems the show is set to be another incredibly well supported event, and, as hard as it is for me to imagine, on a scale that dwarfs even the seemingly gigantic FabTech. The whole Tube Products International team will be there in force so please make sure you come and say hello and pick up a free copy of the magazine and a surprise free gift that should come in very handy at the show.

In our upcoming issue in April 2010 we turn our attention to 'small diameter, high precision tubes', 'coated pipes and tubes (internal and external)' and 'fittings and flanges' as well as our usual sections on 'business and news' and 'products and development', so if your company is involved in these areas we would love to hear about any developments you are making during 2010. This is, of course, free of charge and more information about submitting editorial is available on our website: www.read-tpi.com.

So all that remains is for me to wish all our readers a happy and prosperous 2010.

Rory McBride
Editor

events calendar

2010

February
10-12

Tube India 2010
International Exhibition
www.tube-india.com

March
4-7

Boru 2010
International Exhibition
www.borufuari.com

April
12-16

Tube Düsseldorf 2010
International Exhibition
www.tube.de

May
24-27

Tube Russia 2010
International Exhibition
www.metallurgy-tube-russia.com

September
21-24

Tube China 2010
International Exhibition
www.tube-china.net

October
26-30

EuroBLECH
International Exhibition
www.euroblech.com

November
2-4

Fabtech / AWS Welding Show
International Exhibition
www.fabtechexpo.com

2011

January
8-11

Tekno / Tube Arabia 2011
International Exhibition
www.tube.de

January
11-14

SteelFab (Sharjah, UAE)
International Exhibition
www.steelfabme.com

March
TBA

BORU 2011
International Exhibition
www.borufuari.com

September
19-24

EMO Hannover
International Exhibition
www.emo-hannover.de

October
4-6

Tubotech (Brazil)
International Exhibition
www.cipanel.com.br

TBA

Tube Southeast Asia
International Exhibition
www.tube-southeastasia.com

November
13-16

Fabtech / AWS Welding Show
International Exhibition
www.fabtechexpo.com

TBA

Tolexpo (Paris)
International Exhibition
www.tolexpo.com

For further information on any of the above events please contact INTRAS Limited UK office (address and contact details on page 4)

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business & market news

RathGibson's North Branch facility

RathGibson's North Branch facility earns certifications

RathGibson, a manufacturer of precision welded, welded and drawn, and seamless stainless steel, nickel, and titanium tubing, has been awarded ISO 9001:2000 management system and Pressure Equipment Directive (PED) certifications for its North Branch, New Jersey manufacturing plant.

ISO 9001:2000 management system certification was given to RathGibson in recognition of its effective implementation of documentation and records management, top administration's commitment to customers, clear policy establishment, effectual planning and implementation, well-organised resource management, and efficient process control, measurement, and analysis.

PED 97/23/EC 7/2, Annex I, Paragraph 4.3 was also awarded. This European Union certification is given to manufacturers who have demonstrated high levels of safety and quality management systems for high pressure vessels.

RathGibson manufactures highly engineered stainless steel, nickel, and titanium tubing for diverse industries such as chemical, petrochemical, power generation, oil and gas, food, beverage, pharmaceutical, biopharmaceutical, medical, biotechnology, and general commercial.

RathGibson – USA
www.rathgibson.com

Kuwait Pipeline 2010 exhibition

Kuwait Pipeline Exhibition & Conference 2010 will take place in the Kuwait Mövenpick Convention Center from 26 to 28 April 2010. The event will provide a platform where industry leaders can address technical issues, introduce pioneering technology and share technological advances and operational experiences. It also aims to integrate companies that act in different segments of the pipeline industry: operation, construction, engineering, research and development, training and equipment suppliers.

Kuwait Pipeline 2010 will feature the latest products and technologies from the following sectors: pipeline manufacturers and suppliers; transmission pipelines; energy pipelines; water pipelines; pipeline rehabilitation and maintenance; pipeline coating services; oil and gas; petrochemical; water; and publications.

Best Expo Company – Kuwait
info@bestexpo-kw.com
www.bestexpo-kw.com

Recession has taken its toll on engineering but is the end in sight?

The recession has taken its toll on the engineering and technology sector, but the end could be in sight, according to the Institution of Engineering and Technology (IET).

The IET's annual Skills and Demand in Industry report shows that only 31% of employers (compared to 63% last year) are planning to recruit staff over the next 12 months. Of the companies surveyed, 40% said they were concerned about losing their skills base because of the recession.

A third of those companies not recruiting this year named financial constraints as the primary reason.

However, only 12% thought that this would be a problem in two to three years, fuelling speculation that the recession is coming to an end.

The survey also reveals a reduction in the recruitment of postgraduates entering engineering roles (down from 24% to 12%).

This could be an indication that companies are cutting back on research and development and not diversifying their business. As a result, companies that have not maintained R&D investment may lose out when the economy picks up.

Nigel Fine, chief executive of the IET, commented, "Unlike other surveys, ours is entirely focused on engineering and technology and gives a clear view of what is happening in this sector. The results show that although financial constraints are preventing many companies from recruiting, it appears the situation will ease over the coming years and that the end of the recession may be in sight.

In two to three years, when companies expect financial constraints to have eased, they once again anticipate a skills shortage in the engineering and technology profession.

"Retraining and professional development will be needed to re-engage the skilled engineers lost during the recession. Without a concerted effort now, it is likely that the UK will quickly experience a greater shortage of engineering skills than before the recession."

The Skills and Demand in Industry report can be viewed online, at www.theiet.org/publicaffairs/education/skills-survey2009.cfm?type=pdf

The Institution of Engineering and Technology – UK
postmaster@theiet.org
www.theiet.org

Sales manager to build eastern Europe presence

Radius Systems, a manufacturer of plastic piping systems for utility infrastructure applications, is continuing its expansion drive with the appointment of Eddy Lewoski as regional sales manager for eastern Europe.

Mr Lewoski has over 20 years' experience in export markets for the industry and, although based in the UK, will be responsible for growing Radius Systems' business in European markets like Poland, the Ukraine and Russia.

Mr Lewoski's background incorporates extensive work on electrofusion and compression fittings for the gas and water industries worldwide, as well as training installation engineers. He has an advantage when it comes to local languages, being fluent in Polish, German and Spanish, additionally speaking some French and basic Japanese.

Radius Systems Ltd – UK
sales@radius-systems.co.uk
www.radius-systems.com

Gates Corporation acquires Hydrolink Group

Gates Corporation has announced its acquisition of the Hydrolink Group of Companies.

Hydrolink is a fluid engineering company focused on the oil and gas markets in the Middle East and CIS regions, and maintains branches that have engineering services, inventory and service centres. Since 1988, when Hydrolink first began operating in the United Arab Emirates, the company has provided customers in the oil and gas market with a comprehensive range of engineering, fabrication, testing and service operations for fluid power products in the rapidly developing Persian Gulf region.

Founded and headquartered in Dubai, United Arab Emirates, Hydrolink has expanded to twenty locations in the Middle East and CIS regions. The collective market size for fluid power products in this region is estimated to be worth around US\$480mn per annum. The acquisition allows Gates to accelerate its market penetration for fluid power products in these high-growth regions.

Gates Corporation – USA
www.gates.com

Hydrolink – United Arab Emirates
info@hydrolinkgroup.com • www.hydrolinkgroup.com

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Technip awarded two contracts for the Jubilee field in Ghana

Technip has been awarded by Tullow Ghana Limited two lump sum contracts for the development of the Jubilee oil field. The field is located off the coast of Ghana at water depths ranging between 1,200 and 1,700m. Tullow Ghana is the Jubilee Field unit operator and Kosmos Energy is the technical operator leading the integrated project team.

The first contract consists of the engineering and fabrication of seven 10" diameter and two 8" diameter risers for a total length of more than 27km. Engineering for this contract will be carried out by Technip's operating centre in Paris, France. The risers will be fabricated in Le Trait, France, in one

of Technip's flexible pipe production facilities. Delivery is scheduled for the beginning of 2010.

The second contract covers engineering, fabrication and installation of approximately 48km of production and gas and water injection rigid flowlines (flexible or rigid pipe laid on the seabed for the transportation of production or injection fluids). The contract also includes installation of 26km of umbilicals, nine flexible risers (supplied by Technip under the first contract) and subsea manifold and riser base structures, as well as the connection of the flowlines to the wellheads and subsea manifolds, and testing of the entire system.

Technip's operating centre in Houston, Texas, will execute the second contract, with support from the company's Paris centre for the installation of the flexible flowlines, the connections and offshore operations.

The offshore campaign is scheduled to commence in early 2010 using two vessels from the Technip fleet, the *Deep Blue* and the *Deep Pioneer*, which will lay the rigid and flexible flowlines respectively, assisted by third-party vessels.

Present in 46 countries, Technip has operating centres and industrial assets (manufacturing plants, spoolbases and construction yard) on five continents, and operates its own fleet of specialised vessels for pipeline installation and subsea construction.

Technip – France
www.technip.com

Barloworld starts lengthy product partnership with Irion Sideloaders

Barloworld Handling has announced an exclusive UK supply agreement with Irion Sideloaders, offering a product range designed to handle long and awkward loads such as piping and timber.

Barloworld, a UK supplier of materials handling equipment, will provide

nationwide sales and service support for the Irion brand. The Irion product range is designed for handling long loads in industries such as textile, wood, timber, building products, steel, cable and aluminium. Its durable construction is suited to tough outdoor applications where performance, reliability and operator comfort are important.

Graham Jones, general manager, UK sales at Barloworld Handling commented, "We are committed to providing a complete portfolio of durable and reliable handling equipment with superior support for our customers. The Irion range gives a wider choice in specific industry sectors."

Irion, a division of the Terra group of companies, has manufacturing facilities in Austria and France. The DFQ fixed wheel range is available with diesel/LPG options, hydrostatic transmission, fully enclosed operator cab, a lift capacity between 4 and 8 tonnes and lift heights of up to 8m. Irion products are available with an extensive range of options and attachments to suit specific application needs.

Barloworld specialists provide free site surveys and advice on all elements of a material handling fleet, including service, finance, short-term hire and fleet management.

Barloworld Handling Ltd – UK
info@handling.barloworld.co.uk
www.barloworld-handling.co.uk



TenCate selected by ATK for American Centrifuge programme

TenCate Advanced Composites USA has announced that Alliant Techsystems (ATK) has selected TenCate as a composite pre-preg material supplier for the manufacture of composite rotor tubes used in USEC Inc's American Centrifuge Plant in Piketon, Ohio, USA.

The materials will be manufactured in the TenCate Advanced Composites facilities in Northern California. Sales as a result of this supply agreement will start from 2010, provided USEC Inc receives Department of Energy (DoE) debt funding for the project.

TenCate Advanced Composites is a producer of advanced composite materials primarily for the space and aerospace markets and for the personal and vehicle armour markets. There is an increasing interest from other industrial sectors, which will broaden the application areas for these materials.

Scott Unger, president of TenCate Advanced Composites USA stated, "We are pleased to have been selected by ATK to participate as co-supplier in this programme. The experience of TenCate with high modulus pre-preg systems for satellite programmes has provided the expertise needed to transition this material from select aerospace usage into an important industrial infrastructure programme. The American Centrifuge Plant is an important element in the US's goal to achieve energy independence."

TenCate and its wholly owned subsidiaries, YLA Inc and CCS Composites Inc in Benicia, California, have provided ATK with high modulus pre-pregs and compression moulded parts for many years for critical aerospace and satellite programmes. ATK is the manufacturer of composite rotor tubes used in the centrifuge method enrichment process. ATK will fabricate these tubes in its Rocket Center facility in West Virginia, USA.

USEC Inc (United States Enrichment Corporation) in Bethesda, Maryland, currently operates the only enrichment facility in the United States and supplies more than a quarter of the world market. USEC Inc is deploying the American

Centrifuge Plant, which will replace its existing gaseous diffusion plant and will be the only domestic US-owned and operated enrichment facility. The centrifuge method uses cascades of large numbers of composite rotor tubes, and is more cost effective than the gas diffusion enrichment process.

USEC Inc has applied for and is awaiting approval from the DoE Loan Guarantee programme as the path for obtaining debt funding to complete the American Centrifuge Plant. According to USEC Inc, the American Centrifuge Plant will play an important role in America's energy security and national security.

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Sandvik Materials to open new strip service centre in China

Sandvik Materials Technology is investing in a dedicated service centre with its own slitting line in Zhenjiang, Jiangsu province, China, ensuring that delivery times of precision strip to all customers in China can be kept to just one week. The service centre was scheduled to open in October, with a main feature of a new slitting line operational during November.

Initially intended to supply strip to customers throughout the Chinese market, the centre will offer greater supply flexibility and shorter delivery times, with material finished to size from stock held on-site. It will also open up options to supply other Asia Pacific markets from the first quarter of 2010. The new service centre will introduce a number of benefits, not only for existing

customers in China, but also for those businesses considering relocation to the region, with fast response times and firm delivery dates for precision strip supplies. Sandvik will be able to provide made-to-order material at short notice, supplied locally, and facilitating fast growth of the market sector in the region.

The service centre will focus on finishing and delivering precision strip to customers for the manufacture of flapper valves for compressors used in automotive, refrigeration and air conditioning units. It will also supply material to other important market sectors in the region, such as shock absorber manufacturers.

"In a competitive marketplace we see real benefits to both our customers and their customers in our ability to supply material with short lead times directly in the local market," explained Andy McCulloch of Sandvik Materials Technology. "The fully equipped service centre will facilitate greater physical and operational flexibility, with the logistical capability to ship material to multiple sites, thus accommodating customer-specific requirements."

Sandvik Materials Technology – Sweden
www.smt.sandvik.com

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International trade show in Istanbul

'BORU 2010', the 6th International Tube, Pipe, Fittings & Machinery Fair will be held 4-7 March 2010. The event will be held at the Istanbul Expo Center, and will occupy 14,000m². Opening hours will be 11am to 7pm.

A high number of participants are expected, along with many foreign visitors. Participating companies will include pipe producers (steel, iron, plastic and non-ferrous), additional parts manufacturers, machine manufacturers, and service and product providers.

Ihlas Fuar Hizmetleri AS – Turkey
info@ihlasfuvar.com
www.ihlasfuvar.com

Luvata announces plans to open new facility to provide HVAC&R coil corrosion coating services

Luvata ElectroFin, Inc has announced plans to open a facility in Florida to meet the growing demand for HVAC&R coil protection against corrosive environments. The facility, scheduled to begin operations in the first quarter of 2010, will offer Insitu®, a spray-applied, permanent, water-based, synthetic coating developed by Luvata ElectroFin specifically for the protection of heat exchange units. The company will provide spray-applied capacity at the new location, as well as customer on-site applications. Insitu complements Luvata's plant-applied e-coat product, ElectroFin® corrosion-resistant coil coating.

"The coil corrosion protection offered by Luvata retains the operating efficiency of the unit longer while reducing maintenance, replacement and operating costs," said Ralph Rice, general manager at Luvata ElectroFin. "This ultimately

extends the length of service of HVAC&R systems. With the opening of our Florida facility, Luvata brings this solution a little closer to customers who recognise the benefit of Insitu."

The new Florida location will serve customers in southeast USA and joins Luvata's other three ElectroFin locations in Louisville, Kentucky; Jacksonville, Texas; and Temecula, California in offering spray-applied coil corrosion protection.

Luvata's solutions are used in industries such as renewable energy, power generation, architecture, automotive, transport, medicine, air-conditioning, industrial refrigeration, consumer products and construction.

Luvata ElectroFin, Inc – USA
mike.powell@luvata.com
www.luvata.com

Interpipe becomes a partner of Eurovision children's song contest

Pipe and railway wheel producer Interpipe became an official partner of the seventh Eurovision song contest for children, which took place in Kiev in November. Oleg Kuzmin, director for corporate affairs at Interpipe said, "It is a real honour for us to support the organisation of such a popular event."

At the opening ceremony of the Eurovision song contest for children, the 'Happy childhood' ensemble performed their best songs and dances, with more than 50 young dancers on the stage.

Interpipe – Ukraine
press-office@interpipe.biz
www.interpipe.biz

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Progress Through Co-operation

Mathey Dearman appoints new vice president of sales and marketing

Mathey Dearman, Inc, USA, a manufacturer focused on welding and pipeline productivity, has appointed Charles G Lutz as vice president of sales and marketing for Africa, Asia, Australia, Latin America, the Middle East and New Zealand.

Mr Lutz initially spent nine years with Invensys Plc, a UK-headquartered provider of industrial control components and systems for climate control, as director of international business development. Based in the UK, he led the entry of the company's newly formed safety electronics division into Europe. Most recently, Mr Lutz was director of

international sales with La-Co Industries, an industrial manufacturer of paints and chemicals. Mr Lutz holds a BS degree in Business from Elmhurst College and sits on the board for the Illinois Trade Association of Greater Chicago.

Mathey Dearman and its Italian subsidiary offer a wide variety of equipment, developing, manufacturing and marketing patented cutting and bevelling machines for all types of pipe and pipe diameters to allow pipe fitters and welding professionals to achieve quick, accurate, safer and easier pipe fit-up. Products include pipe alignment and reforming clamps, welding electrode



▲ *Chuck G Lutz, Mathey Dearman's new vice president of sales and marketing*

and flux ovens, and smaller pipe tools for pipe fitting and layout.

Mathey Dearman, Inc – USA
sales@mathey.com
www.mathey.com

Van Leeuwen Pipe and Tube opens new office and warehouse facilities in Australian bases

Following earlier investment and expansion of offices and warehouses in Brisbane and Adelaide, Van Leeuwen Pipe and Tube Group has opened a new office and warehouse facility in Sydney, Australia.

The new premises in St Mary's, approximately 60km west of Sydney, include the new head office of the Australian operations, an office for the New South Wales branch operations and a state-of-the-art warehouse with

enlarged inside and outside storage capacity. Customers throughout New South Wales will benefit through higher service levels and the availability of a broader and deeper stock assortment.

Emmanuel Zammit, managing director of Van Leeuwen Australia, stated in his opening address that the company is now ready for further growth in the various industry segments that are currently being serviced. Its nationwide branch network and strong product

offering, combined with the strength of being part of an international group of companies, will enable the company to further focus on segments such as the hydraulic and mechanical industry, construction/building and mining industry, and the larger projects in the oil and gas industry.

Van Leeuwen Pipe and Tube Group BV – The Netherlands
cc@vanleeuwen.nl
www.vanleeuwen.com

Bucking the trend despite metals difficulties

Heat and corrosion resistant material specialist Corrotherm International has expanded its operations, despite the general decline in the metals distribution industry.

The company, which is one of the few in its sector that remains privately owned, has recently moved its UK headquarters to larger premises, opened a new sales office in India, and employed more staff in its UK and Dubai offices. The move to larger premises in the UK has allowed the company to extend its range of specialist Incoloy 625 stocks, while the rest of the industry is busy de-stocking.

Corrotherm holds niche stocks in the high-end nickel alloys, and also targets difficult and risky markets such as the Middle East, Africa and the Caspian.

"We have competitors in various areas of our operation, but no one company that does everything we do," said Jan Ward, CEO. "In addition to materials supply we are able to give support and advice on materials selection and fabrication. More recently, we are frequently having to help rewrite manufacturing specifications for our customers to cover the many new end uses that nickel alloys are being used for."

Corrotherm recently won the contract to supply the Saudi Karan project with seamless Inconel 625 pipe. Karan is the first non-associated offshore gas field project to be developed by Saudi Aramco in the Kingdom.

Corrotherm has also developed another specialised specification for Inconel 625 in partnership with EPC contractor Acergy for very deep water umbilicals for the Deep Panuke project.

Corrotherm International Ltd – UK
sales@corrotherm.co.uk
www.corrotherm.co.uk

Languages added to orbital welding system

Swagelok Company, USA, a developer and provider of fluid system solutions, has announced the expansion of the language capabilities of its Swagelok welding system M200 power supply.

Offering ease of use, portability, and 200 amp capability, while weighing less than 50lb (23kg), the M200 features built-in multi-language capability. Russian and Swedish have been added to the power supply's original languages, English, French, German, Spanish, Japanese, Korean, and Chinese (simplified and traditional).

A high-resolution, 12.1" (307mm) colour industrial touch screen provides a simple, intuitive method to enter weld programs. Users can choose from one of three forms to enter programs, including automatic weld schedule programming. The M200's automatic shield gas control (patent pending) simplifies set-up of shielding gas, requiring no use of a separate flowmeter. Universal voltage input – 100 to 230V (AC) – requires only a cord/plug change to accommodate an input voltage.

Swagelok Company – USA
www.swagelok.com

Interpipe director speaks at Eastern Europe forum

Oleg Kuzmin, the director for corporate affairs at steel pipe and railway wheel producer Interpipe, Ukraine, took part as a speaker at the IX International Conference: The Baltic PR Weekend, held 10-11 September in Saint Petersburg, Russia.

In the framework of the round table 'Building an Employer's Reputation during the Recession: Effective PR Practices', Mr Kuzmin presented a report entitled 'Employer's brand 2008 vs 2009. Natural selection'. In the report, Mr Kuzmin discussed the practical examples of effective communications with employees during the recession, highlighting major company projects within the context of the employer's brand and talked about the programmes aimed at making Interpipe an employer of choice.

Mr Kuzmin stated, "Even at a time when companies' workforces have changed in size, there is a lack of skilled employees and companies continue to battle over new talent. Today, as before, we have to focus attention on the issues of interaction with employees making the company brand recognised as an employer of choice".

Interpipe – Ukraine
press-office@interpipe.biz
www.interpipe.biz



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www.messe-duesseldorf.de



Swagelok appoints new general manager to provide a boost for its Isle of Man facility

Swagelok Company has appointed David Hester as general manager for Swagelok Ltd, its operation on the Isle of Man. In this role, Mr Hester is responsible for daily operations and continuous improvement of the facility.

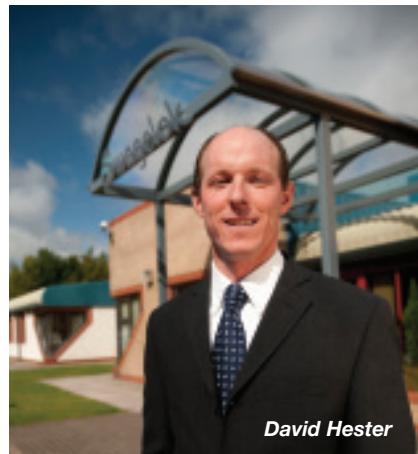
The manufacturing operations at Swagelok Ltd help to complete the company's piping and regulator product offering for the oil, gas and petrochemical industries. From the Isle of Man, Swagelok also serves local niche markets that require quick turn-around on high added value and specialised products.

Mr Hester joined Swagelok Ltd as engineering manager in 2006 and

has been instrumental in aligning and managing quality and process improvement initiatives.

In the last three years he has also played a critical role in developing the facility's current manufacturing model while supporting key customer activity.

Prior to joining Swagelok, Mr Hester held engineering leadership positions at a number of companies, including Mars Electronics, Rolls-Royce Aerospace, and Strix Ltd. He is a chartered engineer and member of the Institution of Mechanical Engineers (IMechE), and holds a bachelor's degree with honours in mechanical engineering from University of Portsmouth, UK.



Swagelok Company – USA
www.swagelok.com

Exhaustive restructuring complete

Sertec Group Holdings Ltd has completed the restructuring of its latest acquisition, MRX Automotive, and has renamed the company Sertec Tube and Cylinder Ltd (STC). The new company launched on 1 October 2009.

MRX Automotive was part of the Metalrax Group until December 2008 when, as part of the group's strategy of exiting the high volume, low margin automotive sector, the company was sold to automotive manufacturing expert Sertec.

STC manufactures manipulated tube and assemblies and deep drawn cylinders, from mild and stainless steel. This is demonstrated in the production of exhaust tailpipes and bright trim, brake and suspension actuators and air bag propellant canisters – just some of the many parts supplied to the automotive sector.

The Sertec group has supplied presswork and welded assemblies to the automotive industry for 47 years and whilst difficult recent times

have presented new challenges, the company's strong management and the support of bankers Lloyds TSB have allowed it to continue to seize such opportunities to diversify into new manufacturing processes and markets.

STC general manager Tony Hill commented on the restructure: "Working under the new ownership of the Sertec Group has given us fresh impetus and has opened up new channels to supply through. We are a leaner operation now and the experienced management team at Sertec has prepared us well for driving the business forward."

The factory is based in Smethwick in the West Midlands, UK, and the reorganisation has seen three sites consolidated into one, the streamlining of the workforce through redundancy and a complete review of the shop floor.

Sertec Tube and Cylinder customers currently include exhaust manufacturer Tenneco Walker, Jaguar Land Rover and commercial trailer manufacturer Arvin Meritor.

STC – UK
tony.hill@sertec.co.uk
www.sertec.co.uk



A Jaguar XKR exhaust with tailpipes manufactured by STC

RathGibson to support China's infrastructure growth

RathGibson, a manufacturer of welded, welded and drawn, and seamless stainless steel, nickel, and titanium tubing, has received orders for two infrastructure projects in China.

The first project involves three major fabricators in China who are using many tons of RathGibson's C-276 tubes in the manufacture of multiple heat exchanger units. The end user, Lunan Fertilizer Company, Ltd, will be utilising the heat exchangers for processing in their new Acetic Anhydride project.

For the second project in China, RathGibson will be supplying large amounts of titanium tubing for the construction of a power plant for the Huaneng Group. "RathGibson was selected by fabricator Harbin Turbine because of our commitment to quality and service," said Peter Wang, director, business development, Greater China.

RathGibson – USA
www.rathgibson.com

Learning the fundamentals of oil and gas knoweldge

IBC, known for its energy conferences, also provides high quality training, delivered through a variety of formats to assist individuals and organisations in achieving their goals by developing skills, knowledge and performance.

The organisation has recently expanded its courses to include a Fundamentals of Oil & Gas distance learning product. Distance learning allows studying at a time and pace to suit the student, without incurring the costs of travel and time out from busy schedules.

Fundamentals of Oil & Gas, which commences 10 February 2010, aims to provide an understanding of the industry from upstream to downstream and beyond. Being such a vast and complex industry, it can be difficult to gain a global understanding of its entirety, especially when starting out, or when your job is focused on just one part of the process.

Delivered over 12 weeks in six modules, the course is a path to a rounded understanding of this dynamic sector, and will develop a thorough, accurate and up-to-date knowledge of oil and gas fundamentals. The course programme consists of: Introducing oil and gas; Finding oil and gas; Extracting and processing oil and gas; Oil refining and gas treatments; Selling oil and gas; and Managing oil and gas.

Visitors to the IBC website can download a course brochure, and can enrol on the course online.

IBC Global Academy – UK
ibcga@informa.com
www.ibcglobalacademy.com/energy

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products & developments

Vacuum lifting for increased safety and efficiency

Vacuworx International, an expert in vacuum lifting, has a solution to meet the requirements of contractors and manufacturers who are faced with increasing demands for safer and more efficient job sites.

The company's products are used in many industries, including field applications, manufacturing facilities and storage facilities.

Vacuworx lifters can be attached to a number of carriers, such as excavators, wheel or track type loaders, cranes, pipelayers and forklifts.

They are designed to operate with a material specific pad assembly that can accommodate many types of material, such as steel pipe, plastic pipe, concrete pipe, flat steel plate, concrete slab,

steel tanks and coated pipe. The lifting pads utilise a special seal material to protect the coating from damage while providing a secure and safe lift.

A closed frequency wireless remote control system provides the equipment operator with the ability to manoeuvre the material being lifted from the host machine with precision and with no additional personnel required.

A number of additional fail-safe features are also incorporated, including visual and audible low vacuum alarms, and a reserve vacuum tank.

Models are available with capacities from 3 tons to over 20 tons.

Vacuworx International – USA
www.vacuworx.com

Steel pipes from the Czech Republic

Železářny Veselí is a producer of steel tubes according to DIN 2393. ODs range from 6 to 108mm, while wall thicknesses range from 0.5 to 5mm. The company can also offer seamless tubes according to DIN 2391, and welded steel tubes (DIN 2394) in diameters from 10 to 40mm and wall thickness 0.8 to 2mm.

Seamless injection tubes for diesel engines are available in dimensions 6 x 2mm, 7 x 2.5mm, 8 x 2.5mm, 10 x 3mm and 13 x 4mm. The above materials can be divided in precise lengths with brushed ends.

The company also produces steel welded tubes (black or galvanised) according to DIN 2458, 2440 or 2444, and welded steel section (black or galvanised).

Železářny Veselí – Czech Republic
pokorna.martina@steel-holding.cz
www.steel-holding.cz

Stainless seamless and welded pipes from India

Suraj Stainless Limited is an ISO-9001-2008 certified manufacturer and exporter of stainless steel seamless and welded pipes, tubes and U-tubes.

The company's range covers welded products with outside diameters from 6 to 1,016mm with wall thickness ranging from 0.6 to 25mm, and seamless products from 6 to 323.9mm outside diameter in wall thicknesses from 0.8 to 25mm, in standard lengths up to 30m.

The Suraj manufacturing programme includes production in austenitic grades TP-304, 304L, 304H, 316, 316L, 316H, 316Ti, 321, 347 and 310, and ferritic/duplex grades UNS S32760, S31803, S31500 and 32205, to various international standards, and specification in ASTM A-213, A-249, A-269, A-312, A-358, A-554, A-688 and equivalents in ASME, DIN, NFA and JIS.

The company has a facility to supply in extra lengths up to 30m. U-bending of the tubes can be performed to customers' specifications, as per TEMA - C, R and B.

Suraj Stainless Ltd - India
 export@surajgroup.com
 www.surajgroup.com

Cold bending specialist

Eurotubi Europa Srl has operated in the field of tube cold bending for more than 50 years. With constant attention to technical innovations and investment in machinery and equipment, Eurotubi can meet all market requests with flexibility, to satisfy large and small orders.

Particular attention is dedicated to increase knowledge in the area of heat exchanger manufacture.

Eurotubi Europa offers services including heat treatment of bends with total protection against oxidation by inert gas (internal/external surface protection), which allows the elimination of the usual pickling and passivation; air pressure

test or hydrotest on straight tubes or bent pipe; computerised management of the entire work flow, from the shipment of the raw material, to the delivery of the worked product; and packing in custom racks, created using the company's own software.

Eurotubi Europa's core business is Eurotubi Pressfitting, a complete system of pipes and fittings, made of stainless steel and carbon steel, to create water facilities and gas facilities with pressfitting technology.

Eurotubi Europa Srl - Italy
 info@eurotubieuropa.it
 www.eurotubieuropa.it



Eurotubi's Pressfitting system

Fluoroplastic tubing development

Parker-TeXLoc is a manufacturer of fluoroplastic tubing products with over 24 years' experience in fluoropolymer tubing. The company's Texfluor® products are used throughout the chemical processing, aerospace, robotics, medical, and semi-conductor industries.

Texfluor fluoropolymer tubing can provide heat resistance up to 260°C, coupled with chemical resistance and lubricity. Featuring a low coefficient

of friction and anti-stick properties, each material has specific dominant characteristics, but all are suitable for high temperature applications and are chemically inert and non-leaching.

Texfluor PTFE tubing is manufactured from a fluoropolymer that exhibits attributes not found in other plastic materials and has the lowest coefficient of friction of any plastic, allowing for unrestricted flow without deposit build-

up. It also has a working temperature of 260°C. Texfluor PTFE tubing is used in high pressure hose applications requiring a long flex and impulse life. On aircraft, it is used as a conduit for wiring systems and in semi-conductor applications, for the transporting of DI water and acids. Texfluor PTFE tubing is available as a single or multi-lumen tube, with stripes or laser markings, natural or in colours, and in custom sizes up to 102mm ID.

Parker-TeXLoc - USA
 texloc@parker.com
 www.texloc.com

Spinformed hollow tube shapes and assemblies eliminate end-cone welding problems

The Formitt Metal Labs division of Hess Industries, Inc offers tube spinning and flowforming contract services.

Formitt was created specifically to support product development for a variety of industries, offering development, prototyping and production runs that utilise patented technologies to create hollow tube symmetrical and asymmetrical shapes, fabrications, and assemblies.

Tube spinning technology facilitates the insertion of filtration elements, heat exchange components and catalytic elements into the tube before end reduction.

Cost savings are recognised by eliminating the need to stamp then weld end-cones to the tube. Spinformed end cones are said to enhance overall

component quality, reliability and appearance.

Formitt hollow tube fabricated assemblies are currently being used in the automotive, HVAC, filtration, marine and other industries.

Formitt Metal Labs – USA
www.formitt.com

Hess Industries, Inc – USA
sheffer.rick@hessindustries.com
www.hessindustries.com



▲ Parts from Formitt Metal Labs

Infrastructure construction and pipe manufacturing

Ecetas Insaat Sanayi Ticaret AS is a Turkish infrastructure construction and pipe manufacturing company with more than 40 years' experience, mainly in the construction of urban infrastructure

projects, including sewage systems, drinking water systems, storm water systems and wastewater treatment plants. In addition to working closely with the government and various

municipality-owned infrastructure-based projects as a contractor, Ecetas AS has its own pipe manufacturing facilities, located in two different regions in Turkey. Pipes are produced under the brand name EBS (ECE Pipe Systems).

EBS products include glass reinforced plastic pipes, metal reinforced plastic pipes, HDPE, and steel reinforced thermoplastic pipes.

Ecetas AS uses EBS pipes in its own projects, as well as supplying pipes to both domestic and international infrastructure projects.

EBS is claimed to be the only company in Turkey producing metal reinforced polyethylene pipes (DN600-DN1,600mm) with stiffness up to SN 20kN/m², and steel wire reinforced thermoplastic pipes (DN110-250mm) used for high pressure and high temperature applications.

Ecetas Insaat Sanayi Ticaret AS – Turkey
ecetasas@ecegrup.com.tr
www.ebsboru.com



Metal reinforced plastic pipes from EBS



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on oil and gas pipe line.
Internal anticorrosion coating for gas and water conveyance*



Via delle Industrie, 16 - 30020 Fossalta di Piave (VE) - Italy
Tel. +39 0421 67389 - Fax +39 0421 679679
www.commerciale tubi.com

AquaFix Pipe repair kits now WRAS approved

Superior Technologies Europe has gained WRAS (water regulations advisory scheme) approval for its AquaFix Quick Wrap Repair kits, which can be utilised for all kinds of repairs to pipes and hoses from ½" to 20" diameter. The WRAS accreditation means that the kits can now be used for repairs to potable drinking water for human consumption.

Also included in the AquaFix range are a quick patch repair kit for flat panels, vessels and tanks, AquaFix rapid stop compression tape for live leak repairs, and Quick Steel putty for awkward repairs to flanges and elbows. The range is simple to use and none of the products require any tools – everything needed is supplied in the kit.

All of the products can be viewed in more detail at the company's website,



where customers can also download flyers and MSDS documents.

Superior Technologies Europe – UK
sales@aquafixsolutions.com
www.aquafixsolutions.com

Steel pipe producer expands range of oilfield and profiled tubes

Salzgitter Mannesmann Line Pipe (MLP) is a manufacturer of HFI (high frequency induction) longitudinally welded steel pipe.

The company has over 100 years' experience in pipe production, including oil and gas line pipe, oilfield tubes (OCTG), pipe for drinking water and sewage systems, tubes for machinery and plant construction, pipes for long-distance heating systems and structural tubes.

The company uses a wide range of steel grades to produce tube with outside diameters from 4.5" to 24" (114.3-610mm) in wall thicknesses from 0.126" to 0.812" (3.2-20.6mm).

MLP has upgraded its inductive quench and temper production line, as well as its production capability for tubes and structural hollow sections. All of MLP's available pipe dimensions up to a diameter of 610mm can be annealed. The capacity amounts to 24t/h. API 5CT grades up to N80Q can also be produced, and higher grades such as L80 and P110 for oilfield tubes are under development.

The company has also increased its standard range of circular, square and rectangular hollow sections up to a wall thickness of 20.6mm. The production range covers cross-sections of 610mm (circular), 400x400mm² (square) and 500x300mm² (rectangular), and further enhancement of wall thickness (25mm) and outside dimensions is planned.

Salzgitter Mannesmann Line Pipe GmbH – Germany
info@smlp.eu
www.smlp.eu

RFID tags

Confidex, an expert in RFID design, manufacturing and engineering, has launched SteelWING, a passive UHF C1G2 special label that is able to function directly on metal surfaces.

In applications such as metallic asset tracking, item level tagging, metal RTIs (returnable transport items) or plastic RTIs with high metal content, potential RFID users face obstacles to find a tag that is simultaneously well-performing, easily installable and cost-effective. Due to the traditional problem of RFID labels' inability to function on metal surface, there have been challenges in those applications where on-metal hard tags cannot be used.

With up to 10m (32ft) read range on metal surfaces, UHF Class 1 Generation 2 compliant Confidex SteelWING was designed to overcome the challenges of metal asset tagging. The key design targets were high performance, compact structure and cost-efficiency. The lightweight tag has an adhesive background and can be directly attached to a metal surface without any extra spacer material.

The drawback of label solutions where the RFID label is lifted away from the metal surface is that when the antenna bends closer to metal and the distance to metal reduces, the RFID label performance decreases significantly. Instead of avoiding metal contact, contact between the metal and the antenna of SteelWING actually improves the operational performance.

Wide-band Confidex SteelWING is equipped with NXP G2XM IC which has extended user memory, and Confidex can deliver the SteelWINGs with pre-encoding or customer specific data labels showing visually the encoded data in barcode or human readable form.

SteelWING is often selected when the use of hard tags is not justifiable due to cost, and when there is no need for ultimate mechanical protection for the tag. The product therefore fills the gap in the market caused by the lack of suitable high-performance RFID labels for metal surfaces.

Confidex – Finland
contact@confidex.fi
www.confidex.fi

McRae rally factory installs Teseo

Teseo Air Systems have been installed at the Extreme Race & Rally factory in Essex, UK, where the late rally legend Colin McRae's name is being kept alive thanks to the continuation of the endurance rally vehicle project that he started before his untimely death.

The McRae Enduro, designed by McRae himself, is a V8 twin turbo diesel engined rally thoroughbred that runs on a Land Rover running gear and will contest the 2010 Dakar Rally. The car has picked up numerous class wins on events contested in 2009, driven by Alistair McRae, Colin's brother.

Ernie Turner, workshop manager of Extreme Race & Rally explained the attraction of the Teseo system: "Teseo's system delivers compressed air into our factory and is flexible enough for us to be able to modify the number and location of outlets as required in our manufacturing process. We're working on a number of different vehicles at

one time; when we need to add an outlet to the system we can use the Teseo hot tapping technique to add the line without affecting pressure anywhere else in the factory. It's ideal for the job: it's neat, safe – we don't have dirty, dangerous lines lying around on the floor – and visually it looks neat and professional."

Teseo's hollow bar system (HBS) and aluminium profile (AP) products feature aluminium extruded piping that has an external rectangular section with tee slots and a fine, smooth internal bore. A wide selection of angle and straight joints and quick clamping pieces make the system flexible in layout and quick to install.

The system is mounted on the factory walls with individual drops down off the ring main. Teseo's own 'hot tapping' technique allows extra drops to be added while the system is in use with no down time or pressure loss. Lighter than



Teseo Air Systems installed at the Extreme Race & Rally factory

traditional steel airlines to install, Teseo lines are also more energy efficient due to higher flow rates of a smooth profiled aluminium tube (typically 30% higher than steel) which equates to a lower pressure drop and overall energy and cost savings compared to traditional galvanised systems.

Teseo Air Systems – Italy
www.teseoair.com



Yingkou Liaohe Pipe Fittings Co. Ltd manufactures all kinds of pipe fittings with production capacities as follows:

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| Tee/Bar Tee: up to 80" | Caps and Heads: up to 120" |
| Materials: | |
| Carbon Steel: WPB,WPC... | Alloy Steel: A234 WP5, WP11, WP22... |
| Low Temp: A420 WPL6, WPL9 ... | High Yield: A860 WPHY 42,52,60,65,70,80 |
| Stainless Steel: A403 WP304/L,316/L... | |
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PLUMBING MANUFACTURING

Standard: ANSI, DIN, BS

Pipe Nipples/Couplings-Steel, Brass, Stainless Steel
Malleable Iron Pipe Fittings
Conduit Elbows/Nipples

ISO 9001:2000, Nsf61-4, AB1953



BBP Beijing Bell Plumbing Mfg. Ltd.
18B-602, YiAnJiaYuan, 100089, China
Tel:(8610)68461288, Fax:(8610)68468522
E-mail:info@bbp.cn Http://www.bbp.cn

Seamless hot rolled steel pipes

voestalpine Tubulars is a manufacturer of seamless hot rolled steel pipes with an outside diameter up to 177.8mm (7"). All products are available in API or proprietary grades (VA Series), with API or proprietary threads such as VAGT®, a gas tight thread connection.

In addition to seamless tubular products used in the drilling and completion of oil and gas wells (OCTG products), the company produces mechanical tubes, boiler and heat exchanger tubes, automotive tubes and line pipe. The company's international sales

network, with offices in Houston, Dubai and Moscow, provides proximity to customers and allows for comprehensive customer service.

voestalpine Tubulars is certified according to ISO 9001, EN ISO 14001 (EMAS location), OHSAS 18001, TÜV and API, and is an approved vendor for most international oil and gas companies.

voestalpine Tubulars GmbH & Co KG
– Austria
sales@vatubulars.com
www.vatubulars.com

Customised laser tube cutting machines from Belgium

Balliu Machine Tool Corporation manufactures the SLF range of laser tube cutting systems. The range consists of machines that can handle tubes lengths from 6 to 13m long and up to 160mm in diameter.

Balliu offers three levels of integration into the client's production process. A standard SLF has its own automatic tube loading and unloading system and operates independently. Weld seam detection is one of the optional features. In the second level of integration Balliu engineers seamlessly integrate the SLF

machine into the client's production line. The tube loading and unloading systems are adapted with features like part sorting and positioning, tube measuring (QC), slug removal, part cleaning, chemical treatment and drying installation. The third level of integration is a fully customised machine that is specially designed to the client's requirements (tube length, shape, diameter, thickness, etc).

Balliu's international clientele is mainly situated in the car, furniture, stable and fencing industries. These companies choose laser cutting as an economical one-step process, as an alternative to drilling, sawing and punching.

Benefits include fewer production steps, lower noise level, no de-burring, engraving features and the absence of any tooling.

According to Balliu, the greatest advantage of laser tube cutting is flexibility in design: designers have the freedom to create products that look better and are quicker and easier to manufacture.

The company implements efficient CAM-solutions for the most popular CAD file formats, and uses quality components such as Siemens NC-controls, Precitec cutting heads and Rofin DC-Lasers.

Balliu Machine Tool Corporation nv – Belgium
info@balliu.be
www.balliu.be

On/off magnetic tube and pipe lifter

The new Magnetic Tube Lifter from Industrial Magnetics, Inc is designed to assist in stacking, destacking, loading and unloading for a variety of steel tube and pipe applications. The Magnetic Tube Lifter incorporates several powerful, rare earth permanent magnets, which can move many round, square or custom shaped tubes at once, reducing cycle times in tube handling applications.

The design of the magnetic circuit prevents tubes from rolling or shifting during transport. In addition, the Magnetic Tube Lifter positively holds the load during transfer and only requires a short burst of shop air to release. This failsafe design requires no electricity or battery backup, and prevents the load from being dropped during a power outage or system air loss, ensuring safer working conditions.

The Tube Lifter is suitable for destacking nested tubing, hydro-forming, roll forming, packing, cutting or tube and pipe fabrication applications.

Industrial Magnetics, Inc – USA
imi@magnetics.com
www.magnetics.com



Not getting enough attention?



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Ultrasonic scanners for line-pipe

ScanMaster is a manufacturer of ultrasonic inspection systems for a wide range of applications including pipe, plate, aerospace, rolling stock and automotive.

Pipe scanners for ERW, SAW-H and SAW-L pipe include configurations to test strip, weld, body and ends of

the pipe in online or offline condition. ScanMaster systems meet quality standards such as API-5L, ISO-3183, DNV and EN.

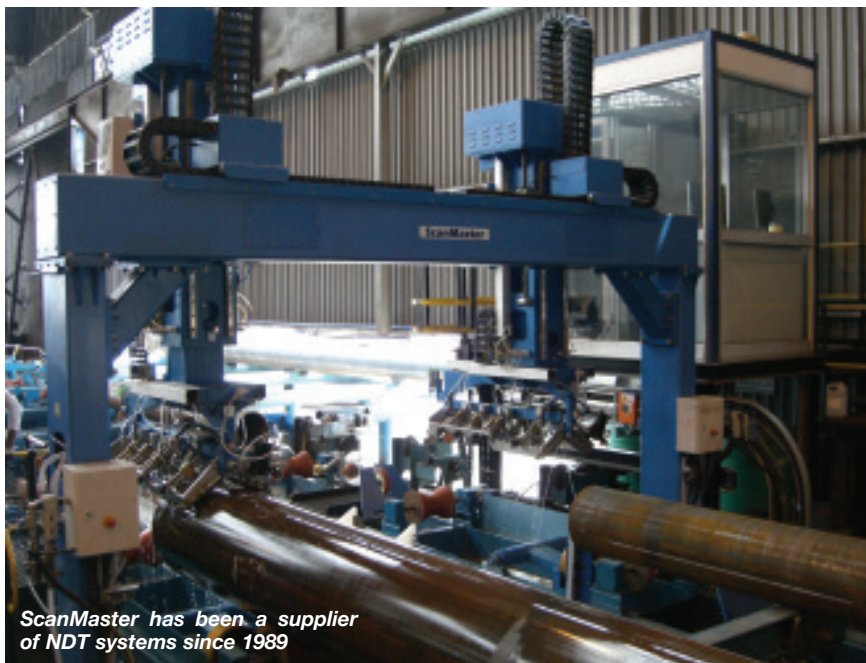
ScanMaster's scanners for ERW pipe include strip, weld, body and ends scanners for line-pipe with diameter from 2" and greater. Offline systems

allow high scanning speed in the range of 1m/s with excellent durability and uptime. Integrated weld and ends testers can throughput more than two pipes per minute.

Scanners for SAW-H pipe include weld, body and ends scanning within a single mechanism, saving time and mill space. An innovative scan head for helically welded pipe includes linear guidance of the probes, resulting in fast setup and minimal calibration time, while allowing maximal number of probes to be placed around the weld. A weld tracker based on laser technology, also developed by ScanMaster, may be integrated with the scanner.

Display and reports of the scanners include all the technical and general information of the scanned product as well as results listing and defect mapping. Displays of the scan, A-, B- or C-scan as well as customised mapping methods are included. Reports can be automatically exported into common format files and integrated with other industrial or information systems.

ScanMaster, EVS – Israel
info@evs-sm.com
www.evs-sm.com



ScanMaster has been a supplier of NDT systems since 1989

Steel pipe from China

Nantong Hengte Tube Co Ltd is a manufacturer of steel pipe, including carbon steel, seamless pipe, galvanised pipe, ERW pipe, SSAW pipe, welded steel pipe, HGD and EMT. Products are available in outside diameters ranging from 20 to 273mm, and in thicknesses from 1 to 15mm, to standards including GB/T8162-1999, GB/T8163-1999, ASTM A53, ASTM A106 and DIN1629.

The company has established business relationships with customers from the Middle East, Europe and Asia.

Nantong Hengte Tube Co Ltd – China
hengte@hengtetube.com
www.hengtetube.com

Stainless semi-finished products stockist

Kallas Edelstahl GmbH is a stockist for stainless semi-finished products, in particular welded stainless steel tubes and pipes, round and flat bars, and angles. The company was founded in the summer of 2001 and, with the support of Italian tube mills Satinox Tubi Inox SpA and Tubinox srl, was able to establish itself in Germany and the neighbouring countries.

Saws and polishing machines support the company's customer services. Two saws are able to cut fixed lengths from 100 to 3,000mm, in outside diameters from 8 to 80mm. The company specialises in cutting polished and mirror polished tubes without damaging the surface, and is able to polish small diameters and non-standard dimensions.

The company's delivery programme includes welded process tubes and pipes, annealed and not annealed, welded dairy tubes, welded tubes for construction, welded square and rectangular tubes, round and flat bars, and heat exchanger tubes in fixed lengths. The company uses stainless steel strips for packaging, and protects the bundles with transparent foil.

Kallas Edelstahl GmbH – Germany
info@kallas-edelstahl.com • www.kallas-edelstahl.com

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Book your entries in the official fair catalogue before the 15th January 2010.

Dry ice cleaning

Ice Edge offers a unique industrial cleaning service that uses dry ice instead of water. The product is environmentally friendly, non-abrasive and, as it takes less time than normal pressure washer cleaning, it cuts down on 'tool time'.

The dry ice cleaning process uses pellets that are made through a process of taking liquid carbon dioxide (CO₂) and expanding it to produce a snow like substance. The pellets are then propelled by a compressed air gun and upon impact the dry ice creates a micro-thermal shock (caused by the extreme cold temperature of -79°C), which breaks the bond between the coating and the substrate. The high pressure air stream removes the dirt from the surface, while the dry ice pellets vaporise.

Ice Edge – UK
www.icedge.4mediadesign.co.uk

Special piping and fitting products

The Gesa Group includes subsidiary companies Fati (industry mechanical supplies), Industrialfer (industrial technical articles and PPD suppliers), and Camas (industrial technical/metal furniture). Services provided by the Gesa Group include all production processes, and it takes care of sales agents, personnel, hardware-software, administration and accounting. The group also extends to safety and quality, logistics, transport and delivery. The group's staff are able to answer any technical request in accordance with the rules of certification of ISO, ANSI-ASME, UNI and DIN.

Euroinox Srl (industrial systems supplies) was established in Cisterna di Latina, just a few kilometres from Rome. Since 1998 the company has been marketing special piping and fitting products used to design and develop systems for the food, chemical, pharmaceutical and petrochemical sectors.

Gesa Group – Italy
info@gruppongesa.com
www.gruppongesa.com



Our team will be pleased to inform you of your entry options in the official trade fair catalogue of wire/Tube 2010!



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 45143 Essen / Germany

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tube@neureuter.de

Pipeline corrosion mapping at speed

Sonatest, an independent manufacturer of ultrasonic flaw detectors, X-ray equipment, scanning systems, thickness gauges, transducers and NDT accessories, has launched the new Corrosion Wheelprobe, specifically designed for pipeline corrosion mapping applications. Part of Sonatest's WheelProbe range, the new, ergonomically designed model offers smooth handling, good control and comfortable grip positions for scanning around pipes and for easy overhead work.

Circumferential and longitudinal scanning are both completed rapidly and can be performed on pipes with diameters between 3" and 32". Fast and easy configuration for different

pipe diameters is adjustable in the field thanks to the pipe diameter scale on the instrument itself, which enables quick adjustments and fine-tuning.

The Corrosion WheelProbe is compatible with NDT systems and instruments from the Sonatest range, such as the Rapidscan series, and also with a wide range of industry standard instruments.

Industry sectors where the Corrosion Wheelprobe can be used include petrochemical, offshore, oil and gas, aerospace, composite manufacturing and marine.

Sonatest Limited – UK
sales@sonatest.com
www.sonatest.com



Sonatest's Corrosion WheelProbe

Seamless steel pipes from Bavaria

Rohrwerk Maxhütte produces seamless steel pipes, either hot-rolled or cold-manufactured, in a wide range of dimensions and quality grades, for customers in industries such as mechanical engineering, steel construction, construction/plumbing trade, boiler and plant construction, and the ball bearing industry.

The company's products include threaded black and galvanised tubes; water-boiler tubes; linepipes up to 4" OD; boiler tubes, quality grade I/III; and ball bearing tubes. The products are manufactured using steel grades St 35.8, TTSt 35, St 37, St. 52, 15Mo3, 13CrMo44, 10CrMo910 and 100Cr6, with other grades available on request.

External diameters range from 21.3 to 139.7mm, in wall thicknesses from 2.3 to 13mm. The company has an annual production capacity of 120,000t. Quality testing takes place before, during and after the production process. Various examinations are carried out, with stationary and mobile testing units, in order to guarantee quality standards.

Rohrwerk Maxhütte GmbH – Germany
em418@rohrwerk-maxhuetten.de
www.rohrwerk-maxhuetten.de

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Pharmaceutical
Food
Petrochemical / Energy / Power Plant
Chemical

Stainless, carbon and carbon alloy steel tubes

Heavy Metal & Tubes Ltd is a manufacturer of stainless steel, carbon steel and carbon alloy steel tubes and pipes. The company's quality system and its plant are ISO 9001/2008, ISO 14001/2004, OHSAS 18001/2007, ADW/AD 2000 W0 and PED accredited.

The company has two separate workshops: Unit-I for producing stainless steel and Unit-II for producing carbon and its alloys. Both units are fully equipped with state-of-the-art manufacturing facilities and the latest testing facilities. Heavy Metal's products

undergo stringent quality checks and the workshops are approved by national and international inspection agencies, consultants, EPC contractors, refineries and process plants.

Heavy Metal produces tubes and pipes ranging from 6 to 220mm OD, and from 0.5 to 24mm in wall thickness. In addition to single straight lengths up to 30m, the company also supplies 'U' tubes as per TEMA/customer's specification.

With a view to consolidating its position in the market, the company is

setting up a new facility with the latest technology, close to the existing plants, to manufacture hot finished seamless tubes and pipes, with annual capacity of 60,000 MT.

The new facility is expected to start commercial production by April 2010, and will increase Heavy Metal's total capacity to produce seamless tubes and pipes to 90,000 MT.

Heavy Metal & Tubes Ltd – India
info@heavytubes.com
www.heavytubes.com

Thames Water uses ready-to-go pipes

A new pipe manufactured by GPS PE Pipe Systems is being used by Thames Water under its ongoing Victorian Mains Replacement Programme. Installed in the Crouch Hill district metering area (DMA), North London, Excel 3C is a response to calls for clean, capped pipe coils for drinking water. It eliminates a major preparatory step for water companies and contractors installing new or replacement pipes.

Excel 3C is a range of PE pipe coils that are DWI-approved for installation without pre-chlorination. The new pipe coils are claimed to save up to four days in installation time and reduce the quantity of hypochlorite solution required.

As demonstrated in Falmer Road, London N15, where old cast iron pipes were upgraded to 180mm PE, the new pipe can be slip-lined into existing ferrous pipes, in the same way as standard PE pipes from GPS PE Pipe Systems. A key advantage is that water engineers can install it straight from stock, without lengthy pre-treatment.

By eliminating pre-chlorination of pipe coils, Excel 3C (clean, capped, coiled) can cut costs and increase productivity. It is delivered to site with a factory-clean bore, which is doubly secured against contamination by end plugs and/or protective caps. The plugs and caps are fitted during on-line manufacture.

Excel 3C is available in 75m and 100m coils, manufactured in PE100 (Excel), and is available in SDRs 11 and 17.

Standard sizes are 90mm, 125mm and 180mm, with other sizes available to specific order requirements.

The product has been developed in conjunction with Thames Water and the DWI. GPS PE Pipe Systems factory-seals the new pipes so effectively that a six-month 'shelf life' has been determined for the product, each coil being marked with the manufactured and use-by date.

The standard full chlorination process can be time consuming, cumbersome and costly, requiring large quantities of hypochlorite solution, to allow the complete filling of pipe coils up to 4m in diameter, prior to use. Spent hypochlorite solution then has to be disposed of in an environmentally sensitive way. The whole process can take between three and four days for each pipe coil, with the pipe coils having to be installed within seven to fourteen days, following successful 30-minute sterility tests.

GPS PE Pipe Systems – UK
www.gpsuk.com



Slip-lining cast iron potable water main using GPS PE Pipe Systems Excel 3c

Olympus introduces new industrial videoscopes

Olympus has launched the new Iplex LX and Iplex LT industrial videoscopes. The small, lightweight videoscopes, which are used for a wide range of remote visual inspections of parts or structures where access is limited, offer portability, ease of use and durability.

The compact Iplex LX and LT systems are one-third the size and approximately half the weight (2.7kg including battery) of the Iplex FX, the most recently introduced Olympus videoscope. The reason for this small size is that the LCD monitor is built into a main operating unit that is just 64mm wide (2.5") excluding the handle. The LCD monitor uses a large 6.5" screen with low ambient reflection, allowing accurate inspection, even outdoors in direct sunlight. The size and weight makes the new Iplex units suitable for applications where operator access is limited, such as inside boiler rooms, airplane fuselages or wind turbine gearboxes.

The Iplex LX and LT provide rugged durability in harsh environments. They comply with IP55 standards and with United States Defense Standards MIL-STD-810F, Method 510.4/506.4 for resistance to dust and rain, and with MIL-STD-810F, Method 516.5 for the 1.2-metre drop test. They can be operated safely in many difficult field environments and in dusty or sandy conditions.

Most features can be accessed by a maximum of three presses of the quick-access buttons on the ergonomic lightweight handset. The display features an intuitive icon-based menu that makes it easy for the operator to quickly select the required menu option.

The Iplex LX features WiDER™ (wide dynamic extended range) image processing capability, which brings out detail in shadowed and highlighted areas to produce bright, contrast-balanced images across the entire depth of field. For optimum magnification, the new units offer a range of interchangeable optical tip adapters. The integrated LED system fitted within the optical tip adapter delivers vivid illumination regardless of scope length and eliminates the need for a fibre light guide. In addition, the SmartTip™ feature permits recording of adapter information along with captured images for inspection traceability, ease of set up, and confirmation of tip security.

High quality JPEG still images and MPEG-4 movies can be recorded directly to a removable USB flash drive. Saving or retrieving images requires a single button press, while the thumbnail view allows instant review of inspection results. The free of charge Iplex Viewer-Plus software features image data management and precise measurement (or re-measurement) of objects in recorded images.

The Iplex LX will soon offer the advanced Olympus-pioneered Stereo Measurement technology that enables high-resolution image capture with two parallax lenses, permitting accurate measurement of almost any object from any angle.

Olympus NDT – USA
info@olympusndt.com
www.olympus-ims.com

▼ *The Olympus Iplex LT industrial videoscope*



BSS Industrial celebrates success at Derriford Hospital

BSS Industrial is celebrating after successfully working with Derriford Hospital to save the Institute an estimated £25,000 per annum on energy bills whilst helping to reduce the risk of Legionella.

The supplier of pipeline and heating solutions began working with Derriford Hospital in 2003 to replace its existing heating system.

By supplying various pumps, plate heat exchangers, gauges and valves from its own-brand BOSS range, BSS Industrial reduced the system's energy output and created an alarm system to monitor Legionella.

Phil Smith, BSS Industrial account manager, said, "Working in a hospital environment means there are many stringent regulations which must be adhered to and often the client has certain objectives which require a tailored solution. By working directly with the hospital we've been able to provide an efficient system to monitor and control Legionella whilst cutting energy consumption by 5-7%.

"We've built a close partnership with Derriford Hospital and have plans to supply a range of controls to maximise the efficiency of the new heating system. There is also a possibility of introducing rainwater harvesting to the site. By making these improvements to the hospital, we hope the whole site will benefit from the money that will be saved whilst helping the fight against Legionella."

The BSS Group plc has three divisions: Domestic, Industrial and Specialist.

BSS Group – UK
enquiries@bssgroup.com
www.bssuk.co.uk

Niton XL2 series XRF alloy analyser

Thermo Fisher Scientific Inc demonstrated its latest Niton handheld XRF analyser, the Niton XL2 series, at Fabtech 2009 in Chicago. Niton analysers have the ability to instantly regain lost material traceability.

"With the launch of the Niton XL2, we now offer a range of products to the aerospace, metal fabrication, foundry and related industries, which are engineered from the ground up to help eliminate any guesswork in verifying metal alloys for manufacturing quality assurance," said Bob Wopperer, director of marketing and business development for Thermo Scientific Niton Analyzers. "We know that the potential for material mix-ups is very real and that the need for traceability is a priority. We provide a worry-free solution that takes control of material verification, recovery of lost traceability, analysis of finished welds to validate filler material and dilution, and confirmation of finished products."

Handheld Niton XL2 and Niton XL3 series XRF analysers are purpose-built for alloy analysis, with accurate results available in seconds, saving expense in comparison to traditional laboratory testing. The easy-to-use, non-destructive instruments provide integral storage of all test results, in a completely tamper-proof data format.

The analysers are supplied as standard with Thermo Scientific Niton Data Transfer (NDT[®]) software, a suite of data management utilities that allows users to set operator permissions, print certificates of analysis to document results or operate the analyser remotely from a PC. The NDT file format preserves and protects the data from each sample analysis, ensuring that the data is not compromised, either intentionally or unintentionally.

Replacing the Niton XLt analysers, Niton XL2 analysers are lightweight yet rugged, for harsh shop environments. Ergonomically designed and featuring a daylight readable display with large, intuitive icons, the Niton XL2 incorporates customisable menus for ease of use, and multi-language capability.

Niton XL3 GOLDD analysers deliver improvements in sensitivity and measurement times, as much as ten times faster than conventional Si-PIN

detectors, and up to three times more precise than conventional SDD detectors. The Niton XL3 GOLDD measures light elements (magnesium, aluminium, silicon, phosphorus and sulphur) without the need for helium or vacuum purging. This means it has the capability to accurately sort additional grades, including titanium alloys, aluminium and silicon bronzes, and aluminium alloys for silicon and magnesium content.

In addition, the Niton XL3 GOLDD includes an integrated CCD colour camera, to record an image of the actual test area along with the test data. The optional small spot feature allows users to isolate and test small sample areas, such as welds and seams, to verify proper dilution.

Thermo Scientific Niton Analyzers – USA

niton@thermofisher.com
www.thermo.com/niton

Looking For Regional Agencies All Over The World

HONGDA SEAMLESS PIPE MANUFACTURER

Guangzhou Hongda Steel Tube Co., Ltd. is a professional manufacturer of seamless carbon steel tube and seamless stainless steel tube. The main products include:

seamless carbon steel tube: ASTM A53/A106/API 5L GR.B; ASTM A179; ASTM A192; ASTM A519 SAE1010, SAE1020, SAE1035, SAE1045; SAE52100; API 5CT J55/N80; ASTM A333 GR.6; ASTM A210 GR.AI; ASTM A213 T11, T12, T22; DIN1629 ST37.0, ST52.3; DIN17175 ST35.8 GR.I; DIN2391 ST37.4; JIS G3461 STB340; etc. O.D.: 19.05mm–325mm, W.T.: 1.65mm–25mm

seamless stainless steel tube: ASTM A312/312M, ASTM A213/213M, ASTM A269, JIS G3459, JIS G3463, DIN17456, DIN 17458, EN 10216-5 etc., with material: TP304/304L, TP316/316L, TP321, 321H, 310S, 316Ti, 317/317L, 347H, 1.4301, 1.4306, 1.4541, 1.4401, 1.4404, etc. O.D.: 4mm–325mm, W.T.: 0.5mm–25mm

Guangzhou Hongda Steel Tube Co., Ltd.

Add: No.2 Baofeng Road, Huangpu District, Guangzhou China 510760
Tel: +86-20-32282120 Fax: +86-20-32282189
Email: hongdasteel@21cn.com hongdaacn@21cn.com
hongda@hongda-steel-tube.com
Website: www.hongda-steel-tube.com www.junjia-steel-tube.com

CRC-Evans introduces small, light P625 welder

CRC-Evans Automatic Welding has launched a new dual-torch external automatic welding machine for small-diameter offshore and spoolbase applications. The P625 offers leading-edge technology and outstanding weld quality in a compact machine that brings high productivity to offshore jobs.

The P625 is fully digital, with through-the-arc tracking and pulse MIG to maximise speed and produce high quality welds. Computerised monitoring and control keep the torch and bead in perfect position, removing the chance of human error in the welding process. From pre-weld programming to real-time operation and post-project assessment, digital technology takes care of accuracy and repeatable performance.

The P625 allows software to be upgraded in the field, so that changes in weld parameters can be made on the fly, getting the machine back to work quickly. In the office, a PDA user can program parameters and then download them wirelessly to the P625, or data can be uploaded to a PDA in the field and taken back to the office for analysis and reporting.

The P625 is also designed with scalable architecture that will accommodate future innovations, so it can be updated with the latest technology.

CRC-Evans Automatic Welding designs and builds the automatic welding systems for land and offshore pipeline construction. In addition to renting and

selling these systems to contractors on a project basis, the division provides other specialised services such as engineering, on-site technicians, and training. The company is a subsidiary of CRC-Evans Pipeline International, a provider of specialised equipment and services for the construction of pipelines.

CRC-Evans manufactures pipeline construction equipment and automatic welding systems, and provides managed subsea services, field joint coating, weighting, heat treatment, and inspection services.

CRC-Evans Automatic Welding – USA
sales@crc-evans.com
www.crc-evans.com

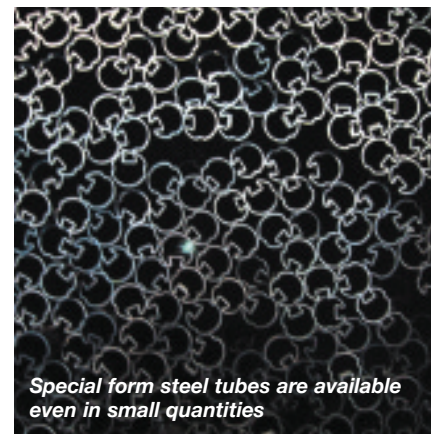
Steel tube solutions

Jansen uses state-of-the-art, high performance machines to produce welded, cold-rolled and drawn precision and formed steel tubes made of various qualities of steel.

The company's advantage lies in the development and production of customer-specific steel tubes. In close collaboration with customers and with select material suppliers, Jansen specialists develop solutions for specific applications. The company's

own process development and tool making facilities allow rapid and flexible reaction times, even at the prototyping stage.

The drawing process allows production of special sizes and forms at economical conditions beginning at only 500m. Significant customers include the automotive and furniture industries, but the precision steel tubes are also used in the machine industry, for radiators and cooling aggregates.



Special form steel tubes are available even in small quantities



Safety applications include car construction

The company's sites in Oberriet, Switzerland and Dingelstädt, Germany can process high strength steels with tensile strengths up to 1,000N/mm² and tubes with special ratios of diameter to wall (from 6:1 to 60:1).

Computer-aided monitoring of relevant processes and continuous testing ensure consistent quality.

The services Jansen offers are supplemented by various pre-processing and individual logistics services. Depending on requirements, the tubes are cut to size, de-burred, chamfered, washed or annealed in Jansen's own plant.

Jansen AG – Switzerland
info@jansen.com
www.jansen.com

Steel tube and chrome bar manufacturer from India

PTC Alliance Corporation manufactures drawn over mandrel (DOM) steel tubes and chrome bars used by the fluid power and automobile industries. The company, along with subsidiary Wiederholt, claims to be the largest manufacturer of drawn over mandrel steel tubes in the world. The companies' products find application as cylinder and piston rod parts in hydraulic cylinders fitted in equipment for construction, material handling and excavation and as axles, steering, drive shafts, shock absorbers, and stabiliser bars.

The company has been a pioneer in innovating new products, such as lighter weight tubes with higher strengths, tubes with closer tolerances to improve performance and reduce costs, and bars with improved life cycles, while adopting green technologies.

Founded in 2004, subsidiary company PTC Alliance (UK) Limited provides support to customers in the European region. New company PTC Alliance Precision Products (Asia) Pvt Ltd, a subsidiary of the parent American company, incorporated recently in Chennai, India, intends to extend the scope of the operations to cover the Asian Region. The new company will promote marketing and distribution of products in the Asian Region while actively pursuing opportunities to outsource products and services from Asia to Europe and Northern America.

PTC Alliance Precision Products (Asia) Pvt Ltd – India
www.ptcalliance.com

Tubes in stainless steel

Sedes Group, Italy, designs and produces electrical heating elements for industry and household appliances, such as flexible heating cables, aluminium and foil heaters, various insulated etched-foil heating elements, heating bands, stainless steel tubular heaters, cartridges, self-regulating cables and constant power cables.

With its experience and knowledge in stainless steel tubular heating element production, the group is also specialised in the production of round steel tubes. The company's production process makes use of profiling machinery for the manufacturing of electrowelded tubes in stainless steel, from 4.5 to 16mm in diameter, with minimum thickness of 0.35mm, and in lengths from 500 to 6,000mm.

Alloys used include austenitic (AISI 300 series) and refractory high nickel content (alloy 800, 825, 840, alloy 600-601). All products can be manufactured according to standard specifications and different market applications (refrigeration, heating and food sectors).

Sedes Group Srl – Italy
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E-MAIL:hblongrun@yahoo.cn

Air pollution regulations drive deployment of flexible abatement solutions

To address the growing complexity of air pollution regulations, which have to address a multi-tiered array of local authority, national and international requirements, AirProtekt of Cambridge, UK, is offering a total package air pollution service that embraces process assessment, project design, supply of the air pollution equipment, installation and commissioning.

Many air pollution applications call for flexible abatement systems to be designed and deployed, especially where there is a requirement for batch-based production runs. Low running costs together with the ability to run the abatement at low process flow rates are vital. A quick start up system also offers major benefits.

AirProtekt's flexible package approach to providing engineering solutions means that the company is capable of combining and tailoring modular equipment to meet exacting air pollution requirements in a cost-effective way.

For the majority of abatement applications catalytic oxidation is more expensive than thermal oxidation at low flow rates. However, the reverse

is often the case for high flow rates. Thermal oxidation abatement solutions tend to be more economical at very high VOC concentrations whereas catalytic oxidation is typically more economical at moderate VOC concentrations.

AirProtekt recognises that no two applications are the same, and each requires careful assessment before a value for money solution can be implemented. For example, although an alternative solution to a catalytic oxidation could be the use of a thermal oxidation system, this may result in high running costs because natural gas would have to be brought into the factory area.

A thermal oxidation approach in certain cases can prove inflexible, because if demand dropped the abatement plant would still need to be kept running. A reliable Honeycat Air Pollution Control System offers a catalytic oxidation solution that provides an expected availability of more than 99% and can be equipped with a superior performance catalyst to reduce environmental emission limits.

AirProtekt's engineering solutions are tailored to address specific local emission requirements but are also specified to



A catalytic combustor

comply with national and international regulations as well as detailed global company-specific guidelines or operational procedures.

Trevor Lawton, AirProtekt's managing director said: "Our engineering team often specifies an electrically pre-heated abatement system to provide processors with a very low maintenance solution. We also aim to offer systems that operate quietly to ensure that residential properties are not disturbed."

The industrial air pollution control catalysts favoured by AirProtekt comprise thin-walled honeycomb supports coated with a fine dispersion of Platinum Group Metals, impregnated into a high surface area washcoat. The catalysts, which form the heart of AirProtekt's catalytic oxidation system, are derived from proven autocatalyst technology and offer benefits that include a long effective life, and the ability to withstand high temperatures.

A range of high poison resistance catalyst types are available from AirProtekt, which include a standard VOC oxidation catalyst; a chlorinated VOC catalyst; an LHC catalyst for methane, ethane, propane as well as a sulphur-resistant catalyst. AirProtekt's systems are also capable of running at low catalyst operating temperatures to minimise running costs and thermal stress.

AirProtekt – UK
sales@airprotekt.co.uk
www.airprotekt.co.uk

GRP pipes and fittings

GRP pipes from ECE Pipe Systems are produced between DN 300mm and DN 2,800mm, and SN 2500-10,000N/m². The GRP pipes, which are produced with a continuous filament winding process, are widely used in drinking water, sewerage, irrigation networks, hydro-power projects, industrial waste projects and geothermal-cooling water projects.

ECE also produces metal reinforced HDPE corrugated pipes and fittings. The MRP pipes produced are between DN 600mm and DN 1,600mm. MRP pipes that are reinforced using steel plates have stiffness classes between SN 4 and SN 20kN/m². The pipes are used in sewerage-storm water networks, septic discharge projects, gutters, cable manhole-highway culvert applications and drainage systems.

ECE Group has 25 years' experience in the production of concrete and reinforced concrete pipes, and has two established factories in Manisa and Adapazari in Turkey.

ECE Group – Turkey
www.ecegrup.com.tr

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2010

Hydratight refacing tool harnesses elbow power

Hydratight has launched a new refacing tool for hard-to-reach pipe flanges whose integrity must be maintained. The light, portable QuickFace hand-powered refacing tool retains the accuracy and performance of the larger air- and electrically-powered models in Hydratight's range.

The company states that QuickFace can turn a two-man operation with heavy equipment, compressors or portable generators into a one-man job that can be undertaken anywhere a technician can physically reach, whether at the top of a refinery installation or miles from the nearest power supply.

The QuickFace tool weighs only 6.8kg (15lb), and in its storage case with interchangeable collets and lead screws weighs 15kg (33lb). It can reface flange surfaces on pipes from 1" to 4", using standard half-inch cutting tools.

"Many flanges have to be refaced in-situ without readily-available power, because the flange is difficult or inaccessible," commented Hydratight global support engineer, Alan Jones. "Sometimes such a repair simply isn't cost-effective, and that means taking a gamble on future integrity. About 90% of all flanged joint

leaks are on pipes in the 1"-4" range – exactly what QuickFace is designed for. Many leaks are caused by poor joint-surface finish. Correcting this usually involves finding a resurfacing machine and competent technicians, and having the time to complete the job.

"QuickFace is small enough to be a permanent addition to any technical equipment store. The alternative may be transporting teams and equipment by helicopter and running generators or compressors – all at much greater expense, where they are available at all."

The system has interchangeable lead screws, making it suitable for resurfacing damaged raised-face and lens-ring joint flanges to the varying standards of finish demanded of standard and compact flange designs.

After selecting the correct sized collets and lead screw for the operation, the tool body is inserted in the pipe end, centring itself with adjustable collets and clamps to provide truly concentric operation and accuracy. The tool arm is then rotated by hand, a worm-gear mechanism providing a perfect spiral 'gramophone' finish. The tool can be adjusted with a calibrated slide to define cut-depth and the correct finish.

Hydratight – USA
quickface@hydratight.com
www.hydratight.com



▲ The QuickFace hand-powered refacing tool

Mobile welding automation

The MWR-350 from Servo-Robot Inc is a new robotic welding concept.

The mobile robot's flexibility allows automation to be brought directly onto large weldments. It also allows the operator to run several systems simultaneously.

The MWR-350 three axes robot can improve quality and productivity compared to traditional manual welding, as well as that done using motorised welding carriages.

It also complements traditional articulated robots that may be already be in production.

It is easily hooked up to any power source, making for a quick installation.

The system is easy to program due to its intuitive teach pendant and vision-assisted robot teaching capability.

With a Servo-Robot MWR-350 system, it is claimed that submarine hull sections can be welded in the a third of the time of previous methods.

Benefits of the system include: dramatic quality and productivity improvements are easily achieved over manual and mechanised welding; automation can be brought to the workpiece; remote process monitoring removes operator from the welding zone; and precise seam tracking for consistent penetration and accurate bead placement.

The MWR-350 easily integrates to any welding system, and automated teaching reduces setup time and increases flexibility.

Servo-Robot Inc – Canada
sales@servorobot.com
www.servorobot.com

Rise of the welding machines

Weldspares, a wholesale supplier of branded products in the welding industry, has launched a new range of Telwin welding machines, as a response to increasing customer demand to add quality branded welding machines to its welding safety and supplies portfolio.

Weldspares, working with European manufacturer Telwin, has selected a comprehensive range of Telwin's latest welding machines for Weldspares to wholesale in the UK & ROI.

Telwin has been manufacturing high-performance welding machines since 1963, and Weldspares has acted as wholesaler for many leading welding and welding safety brands since 1967.

The new range covers all welding machine processes, including MIG, TIG, MMA and plasma technologies, with machines to suit users from DIY welders to professional repair operations.

Telwin welding machines all conform to relevant EU legislation and standards. All machines now also comply with Directive 2004/40/EC, covering protection from exposure to electromagnetic fields (EMF).

The majority of Weldspares' PPE and welding safety equipment is European-sourced from brand names such as 3M, Speedglas, Sperian Protection, Bollé, Sioen, Dewalt, Peltor and EAR.

Weldspares Ltd – UK
fanette.muller@weldspares.co.uk
www.weldspares.co.uk



Weldspares is stocking a new range of Telwin equipment

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Nickel free Sanpress pipe for high-grade stainless steel installations

Viega's Sanpress pipe 1.4521 for drinking water installations is made of high-grade stainless steel: the pipe is nickel free, making it less dependent on fluctuating raw material prices.

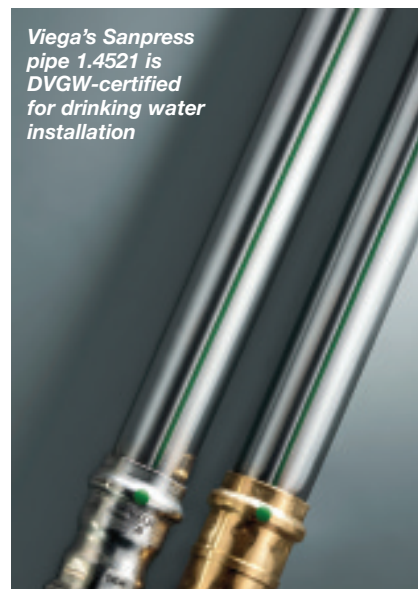
With DVGW-certification, it can be used for any drinking water installation. 'Mixed installations' are also possible with the Sanpress pipe 1.4401 as well as the Sanpress Inox and gunmetal connectors by Viega.

The steep rise in raw material prices have made it difficult to produce a reliable medium-term calculation for piping systems made of high-grade stainless steel. Since 2006, intensive research has been conducted into a

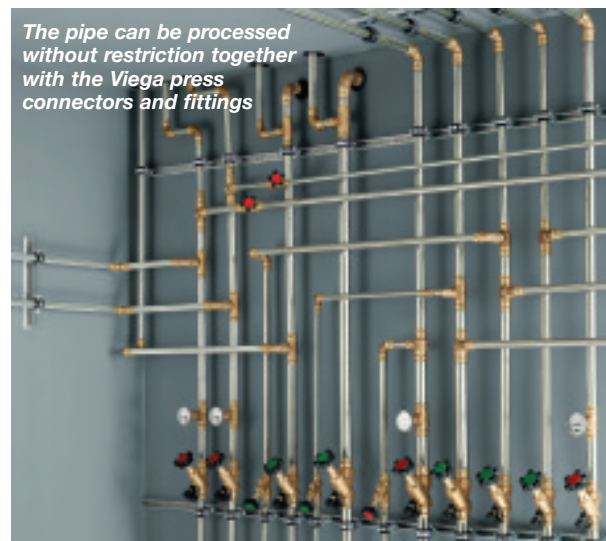
new high-grade stainless steel, so that the Viega Sanpress programme could be largely independent of these price developments.

The Sanpress pipe 1.4521 is available in dimensions of 12 to 108mm, and can be shortened, de-burred or pressed with the usual tools. Bending radii from 3.5 x d to a nominal width of 28mm is possible.

In combination with Viega press connectors made from high-grade stainless steel and gunmetal, the Sanpress pipe 1.4521 can be used with all drinking water types without restriction and is said to last for over 50 years. DVGW guideline W 534 confirms this system certification.



Viega's Sanpress pipe 1.4521 is DVGW-certified for drinking water installation



The pipe can be processed without restriction together with the Viega press connectors and fittings

According to Section 11 of the drinking water ordinance, unrestricted disinfection is possible.

High-grade stainless steel 1.4521 has been used for many years, for example in Scandinavia, for the production of heat exchangers and expansion tanks. Experience of using the material for exhaust systems in motor vehicles shows its high durability.

For clear identification of the Sanpress pipe 1.4521 from other high-grade stainless steel pipes, Viega has introduced a uniform and distinctive 'green' factor. In addition, the pipes are supplied with green plugs to protect against contamination before final operation.

The pipe can also be used in industrial applications, such as the setting up of compressed air networks or pipelines for demineralised water.

Viega GmbH & Co KG – Germany
 info@viega.de
 www.viega.com

JPE
SUS TUBE FITTING
www.yeanhern.com
www.jpe-tubefitting.com

Cold-drawn carbon steel seamless tubes from India

Neo Seamless Tubes Ltd is a manufacturer of cold-drawn carbon steel seamless tubes, and claims to be the first of its kind in the whole of Eastern India. Being a subsidiary of Jalan Tubes, Neo Seamless Tubes has inherited expertise and experience while being equipped with its own innovation and the latest technology.

Situated in the city of Kolkata, the first capital of India and the main industrial hub for Eastern India, Neo Seamless Tubes covers 30,000m² of land, where an eco-friendly manufacturing plant has been installed, equipped with the latest technology from around the world. The

company manufactures tubes from scratch, from piercing to testing.

The company carries out mechanical testing such as elongation, bending, hardness and tensile tests. High end testing equipment, including eddy current tester and hydro tester, maintains quality even in extreme situations and pressures. The chemical components are regularly inspected by qualified engineers in the company's own chemical laboratory.

Neo Seamless Tubes Ltd – India
sales@neoseamlesstubes.com
www.neoseamlesstubes.com

Extended small diameter pipe range with 90mm products

Iron technology company Saint-Gobain PAM UK has extended its family of small diameter water and sewer pipes with the addition of a range of 90mm products.

According to the company, the Blutop™ range has already successfully challenged the dominance of plastics in this product area, enhancing the status of ductile iron as an option for specifiers in small diameter pipe systems.

The 110mm product was launched in early 2009 and the new 90mm range is set to be joined by 125mm diameter products. Blutop draws on state-of-the-art technologies in both ductile iron pipe spinning and coating materials, and combines the traditional values and long-term performance of ductile iron with the flexibility of plastics.

The combination of materials results in a system offering leak-free reliability, easy handling, reduced installation costs and high water quality, even in contaminated ground.

At half the weight of traditional ductile iron pipes, Blutop pipes are easy to lay, require no special equipment and can be jointed manually through a new jointing system that includes a restraint option, removing the need for thrust blocks. Combining both strength and flexibility – up to 6° deflection at each joint – the Blutop system can be laid shallow or deep and is highly resistant to third party damage.

The pipes have a unique Ductan™ interior lining, which provides excellent water quality properties, and an external coating similar to Saint-Gobain's PAM Natural™ pipe system (high tech true alloy of zinc/aluminium), making them suitable for use in a wide variety of ground conditions.

Saint-Gobain PAM UK
sales.uk.pipelines@saint-gobain.com
www.saint-gobain-pam.co.uk

Cast iron products manufacturer and exporter

Al Karrani Trade & Imports deals with trading pipes and accessories, commercial agencies, on-shore/offshore oil and gas fields and construction services.

The company is also a manufacturer of ductile iron, aluminium and other metal fabrication jobs. The company has its own manufacturing industry, Abu Dhabi Carnation and Metal Industries, which manufactures grey and ductile iron castings. As a manufacturer and exporter of cast iron products, the company makes both precision and heavy-duty items to international standards.

The company is the sole agent of Amiantit, as exclusive distributor in UAE, and is approved by Abu Dhabi Water & Electricity Authority and Abu Dhabi National Oil Company for distribution.

Al Karrani Trade & Imports is also the exclusive distributor and dealer of construction supplies and materials sponsored by a number of other manufacturers.

Al Karrani Trade & Import Est –
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sales2@adcmi.ae
www.alkarani.ae

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Steel pipe and section manufacturer

Insteel Limited, a member of the Safal Group, is one of Kenya's leading steel pipe and section manufacturing companies. The company's range of products includes galvanised pipes (1/2" to 10"), black steel pipes (1/2" to 10"), hollow sections (SHS 16x16 to 200x200, RHS 40x20 to 200x100, and round 16 to round 89), and zed purlins (4" to 7"). The products are used in applications such as drilling, fabrication, construction, conveyor gantries, furniture and industrial sheds.

Insteel follows rigorous standards in its raw material procurement, manufacture, and internal quality testing, and the company has attained world-class quality ranking ISO 9001:2000. Insteel imports its raw material, hot rolled carbon steel strips conforming to Japanese standards JISG 3132 SPHT 2.

Water pipes are hydraulically tested at 50 bars for checking welding joint and pressure tolerance. Finished goods are given the 'Diamond Mark of Excellence' by the Kenya Bureau of Standards (KBS), while its galvanising pipe specification adheres to British standard BS-1387. A minimum zinc coating for galvanised pipes provides greater durability.

Insteel Limited – Kenya
 insteel@insteellimited.com • www.insteellimited.com

Welded, galvanised and seamless steel pipe

Nantong Hengte Tube Co Ltd, established in 1993, is mainly engaged in production and sales of steel pipe. Leading products include welded tube, galvanised pipe, seamless steel pipe, steel plastic composite tube, processing series and greenhouses.

The company's products have been exported to many countries and regions in Europe, North America, the Middle East and Asia.

Nantong Hengte Tube Co has many production lines for welded tube, and can produce to standards including BS1387-1985, ASTM A-53 and GB/T3091-2001. Its products are widely used in automotive industry, shipping, building, decoration, agricultural machinery, medical machinery, textile machinery and packing.

Galvanised pipes include EMT pipe, hot-dip galvanised pipe, pre-galvanised pipe and galvanised water pipe.

Nantong Hengte Tube Co Ltd – China
 hengte@hengtetube.com
 www.hengtetube.com



HEBEI WENLONG
PIPELINE EQUIPMENTS CO. LTD



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 END CAPS

SEAMLESS FITTINGS DIMENSIONS: 1/2"-40"
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 WALL THICKNESS AREA: 2mm TO 120mm

MATERIALS:

A234-WPB, WPC, WP1, WP5, WP9, WP11, WP12, WP22, WP91,
 A860-WPHY42, WPHY52, WPHY60, WPHY65, WPHY70, WPHY80
 A420-WPL3, WPL6, WPL9, WPL8
 A403-WP304, WP304L, WP304H, WP316, WP316L, WP316H

STANDARD:

ANSI B16.9, ANSI B16.28, MSS-SP-75
 DIN2605-1, 2605-2, DIN2615-1, DIN2615-2
 DIN2616-1, DIN2616-2
 EN10253-1, EN10253-2



HEBEI WENLONG PIPELINE EQUIPMENTS CO. LTD

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Fax: +86-317-6616662 6392682

Web address: <http://www.hbtenghao.cn>

Business email: wenlong@hbtenghao.com

Address: NO. 85 Wuliyao Industrial Zone, Yanshan

County, Cangzhou City of Hebei Province, China

RathGibson tubing installed in geothermal power plant

RathGibson, a manufacturer of welded, welded and drawn, and seamless stainless steel, nickel, and titanium tubing, has supplied tubing to Turkey's first private geothermal plant, Salavalti Dora – 1. RathGibson's welded tubing was installed in the power plant's geothermal wells and heat exchangers.

Alfredo D'Souza, director of business development, Middle East and India, commented, "Serving the needs of the geothermal power industry is a win-win situation for all of us. Our customers are supplied with the finest tubing, backed up by on-site technical support and service. Our community is supplied with a clean and renewable energy source. We look forward to being involved in more geothermal projects in the future."

Heat exchangers with RathGibson tubing were supplied to the plant's private developer, Menderes Geothermal Elektrik Uretim, AS. For the 800m deep

geothermal wells, RathGibson supplied 316L welded coiled tubing through the mechanical engineering firm, Sinerji Mekanik, who assisted in the wells' design. The welded coils will be used to inject dosage inhibitor chemicals in the wells.

At Salavalti Dora – 1, the geothermal wells contribute steam and brine, which will be converted into electricity. To sustain the reservoir, the plant will attain geothermal fluid reinjection by using air-cooled condensers. To further reduce impact on the environment, the plant will sell pure raw carbon dioxide gas,



▲ RathGibson's Alfredo D'Souza, and Ibrahim Alanyali of Sinerji Mekanik, at Salavalti Dora

a plant by-product, to industrial gas supplier The Linde Group of Germany. Linde will in turn sell the carbon dioxide to firms such as Pepsi and Coca-Cola.

RathGibson – USA
www.rathgibson.com

Westinghouse adds Seco/Warwick vacuum annealing furnace

Westinghouse Specialty Metals Plant in Pennsylvania, USA, has purchased a high vacuum retort annealing furnace to process zirconium tubes. Westinghouse is increasing its plant capacity to meet the needs of customers in both China and the United States.

The vacuum annealing furnace is custom engineered to meet the tight uniformity standard of $\pm 5^{\circ}\text{F}$ in the 48" x 6" x 216" hot zone. The furnace is rated for 1,200 $^{\circ}\text{F}$ and will be equipped with a cold cap high vacuum diffusion pump.

Westinghouse Electric Company offers a wide range of nuclear plant products and services to utilities throughout the world, including fuel, service and maintenance, instrumentation and control, and advanced nuclear plant designs. With headquarters in Monroeville, Pennsylvania, Westinghouse has operations in 12 states and 15 countries. After designing the first commercial pressurised water reactor nuclear power plant in Shippingport, Pennsylvania, in 1957, Westinghouse and its licensees provided more than 40% of the world's 434 operating commercial nuclear plants.

Seco/Warwick's vacuum team custom engineers vacuum furnaces for most processes, including hardening, tempering, annealing, solution heat treating, brazing, sintering, carburising, carbon/carbon composites, CVD-graphitising, high pressure quench and degassing.

The company has entered into a strategic alliance agreement with Retech Systems LLC, offering advanced technology for VIM, VAR, electron beam and plasma arc furnaces, along with powder production and environmental remediation equipment.

Seco/Warwick Corporation – USA
info@secowarwick.com • www.secowarwick.com

Westinghouse Electric Company – USA
www.westinghousenuclear.com

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Mail: expo@pipechina.com.cn

www.pipechina.com.cn





▲ Parker Hannifin's new production process is based on stainless steel extrusions

A-Lok compression tube fittings

Parker Hannifin's instrumentation products division has introduced a new production process based on stainless steel extrusions, to raise the quality and consistency of industry-standard compression tube fittings.

The technology is aimed at users in processing markets such as oil, gas and chemicals, where the need for integrity and reliability is paramount.

"By complementing our traditional forged fittings range with versions made from extruded materials, we have been able to increase the quality and consistency of finished parts without raising costs," commented Sheldon Banks of Parker Hannifin.

"The exceptional uniformity of metal grain size and shape inside extrusion-based parts means that all the new fittings possess virtually identical

mechanical properties, and are in fact stronger than traditional forged parts."

Parker Hannifin believes it is the first tube fittings manufacturer to launch extrusion-based products into the mainstream twin-ferrule stainless steel compression tube fitting market, and is offering the technology on its A-Lok range.

It has been able to make this move thanks to a patented extrusion process that can cope with the tough metals required for tube fittings. Parker also notes that the process is equally applicable to all the exotic alloy fitting products it supplies for corrosion-resistant applications.

As extrusions allow dimensions to be very closely controlled, the fitting interchangeability demanded by large-scale users remains in place. Switching

to extrusion-based fittings can bring further benefits for end users, especially those working on projects. Extruded profiles are faster to produce and are available with shorter lead times, and can typically be produced in smaller batches. This allows Parker to respond more quickly and flexibly to customer requests, which can be beneficial for projects requiring exotic materials.

Parker has a policy of sourcing raw materials from high quality European sources, and this is complemented by independent intergranular corrosion testing before product manufacturing begins, plus a number of unique processing stages aimed at optimising reliability and corrosion resistance.

Parker Instrumentation Products Division – UK
ipd@parker.com
www.parker.com

Dresser Masoneilan selected as preferred control valve supplier for Nuclear plant

Dresser Masoneilan has been named the preferred control valve supplier for Korea Hydro and Nuclear Power's (KHNP) Shin Kori reactors, currently under construction near Pusan, South Korea.

Shin Kori 3 and 4 are the first ever installation of KHNP's state-of-the-art APR1400 reactor design. When operational in 2013 and 2014, they will each produce 1,400MWe, making them two of the largest new nuclear power plants in the world. Dresser Masoneilan will provide control valves and supply operational service and support for the estimated 60-year life of the reactors.

"This installation reinforces Dresser's position as a trusted technology leader and expert in advanced mission-critical applications, such as this industry first for nuclear power," commented Hiro Fujisawa, president, Asia Pacific region, Dresser Inc.

Dresser Masoneilan is one of few control valve suppliers in the world that can comply with the full scope of products and stringent certifications required for the nuclear power industry. The company's differentiated technologies, such as the V-LOG® and LincolnLog® Energy Management Trim designs, provide control valve solutions for general service to severe service applications.

The company is also able to provide technical expertise and support at the local level, through its global network of fully equipped aftermarket centres.

As a Dresser Inc brand, Dresser Masoneilan delivers customised products, services and diagnostic solutions for oil and gas, process and power generation applications.

Dresser Masoneilan – USA
www.dressermasoneilan.com

Fittings and pipes from Shanghai

Shanghai Lee&Yu International Co Ltd is a manufacturer and supplier of stainless steel tubular products and customised fittings.

Lee&Yu can produce a variety of custom machined parts using CNC, cutting, grinding, lathing, milling, bending and polishing machines, including precision mechanical components; threading, grooving, swaging, cutting and bending of tubular products; automotive bumpers; and sanitary and non-standard fittings.

The company manufactures ball valves, check valves, needle valves, gate valves, and globe valves. Fittings and flanges include elbows, tees and reducers, while the fasteners range includes bolts, screws, nuts and washers, both standard and non-standard.

Shanghai Lee&Yu International Co Ltd – China
sales@lee-yu.com.cn
www.lee-yu.com.cn

Butt-welding fittings

Erne Fittings is a manufacturer and supplier of butt-welding fittings such as elbows, tees and reducers from ½" to 40" (21.3 to 1,016mm) external diameter and wall-thicknesses up to 50mm, made of alloyed, unalloyed, stainless steels and exotic materials.

Production takes place in the company's four plants in Austria, Germany and Saudi Arabia, where special demands for short production times are accommodated. Erne Fittings offers a high degree of product availability, and is able to deliver on urgent demands.

The company is a flexible partner for both stockists and project specialists, and offers services on the basis of individual, customised system solutions. Erne products are used worldwide, in power stations, oil and gas fields, pipelines, refineries, chemical plants, ships and other areas of industry.

Erne Fittings GmbH – Austria
office@ernefittings.com
www.ernefittings.com



Products from Erne Fittings

Proserv Instrumentation chooses Parker fittings and valves

Parker has signed a worldwide representation agreement with oil and gas systems integrator Proserv Group AS. Tube fittings, valves, manifolds and other components from the instrumentation products division of Parker Hannifin will become part of Proserv's preferred system building offering.

Since its foundation in 1974, Norwegian-headquartered Proserv has developed a global engineering business that includes specialist system building expertise in a broad range of oil and gas applications such as wellhead control, chemical injection, umbilical termination, high pressure hydraulics, and sampling and analysis instrumentation.

In choosing Parker's broad range of instrumentation fittings, valves and manifolds, backed by a global logistics network, Proserv was said to be impressed with the responsive nature of Parker's lean manufacturing operation in Barnstaple, UK, which has become a leading supplier to major oil and gas projects over the last decade.

In addition to Proserv's broad activity profile, the system builder's worldwide footprint was a major attraction for



▲ Arve Sem-Henriksen, CEO and president of Proserv Group AS (left), with Ian Huggins, division general manager, Parker Hannifin, Instrumentation Products Division Europe

Parker, as it extends local support to several areas not currently covered by its own international office network, such as West Africa.

"We have a very large requirement for instrumentation products and expertise, and Parker's range, responsive supply chain and innovative approach gives us what we need to satisfy the ever increasing demands of our clients," commented Proserv Group's CEO Arve Sem-Henriksen. "The product supply agreement we have with Parker will help us to build and deliver systems

very rapidly and efficiently, and provide after-sales support with products from a globally-recognised source."

Parker Instrumentation Products Division – UK
ipd@parker.com
www.parker.com

Proserv Group AS – Norway
www.proserv-group.com

Fittings and products from India

Mangalam Metal Corporation, India, supplies and exports pipe fittings, flanges, nuts, bolts, washers, fasteners, rods, refractory anchors, elbows, tees, and reducers. The company can also supply pipes, sheets, plates and foils. The company's range includes products manufactured from stainless steel, hastelloy, inconel and monel.

Mangalam Metal Corporation – India
info@mangalammetal.com
www.mangalammetal.com



Parker has signed a worldwide representation agreement with Proserv Group

New WRAS-approved ball valve from Hattersley

Hattersley, UK, a provider of cast iron, ductile and copper alloy valves, has launched a new range of WRAS (Water Regulations Advisory Scheme) approved DZR brass ball valves. The range includes six compression sizes from 15 to 54mm and eight threaded sizes from 0.25" to 2".

With the aim of reducing the risk of installation damage, Hattersley has added extra seals to the new ball valves. A metal-to-metal primary seal on the body seat retainer joint combined with a Loctite 648 seal provides greater strength and sealing capabilities. An O-ring seal in the main joint provides



additional protection against leakage in the threaded versions.

A waterproof and tear-resistant tag attached to each valve gives installation instructions, including the number of wrench turns needed to give positive sealing without over-tightening. Hattersley valves fully comply with thread length specifications in BS EN 10266.

The DZR brass used in the construction of the valves means they are suitable for use over a temperature range from -10°C to +120°C, making them suitable for HVAC applications. The valves' WRAS approval means they can also be used with potable water supplies.

Operating handle options include extended stem lever, 'T' handle, lockshield and quarter turn lever. The valves require only a quarter-turn to move from fully closed to fully open positions.

Hattersley – UK
www.hattersley.com



The new Hattersley DZR ball valve

FLANGES

SHANDONG FLYING CASTING & FORGING CO., LTD. (Qingdao, China)
 Tel: +86-532-85061468 / 85065950
 Website: www.plumbingchina.com

Fax: +86-532-85062336
 E-mail: kjx@plumbingchina.com

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Tube[®]



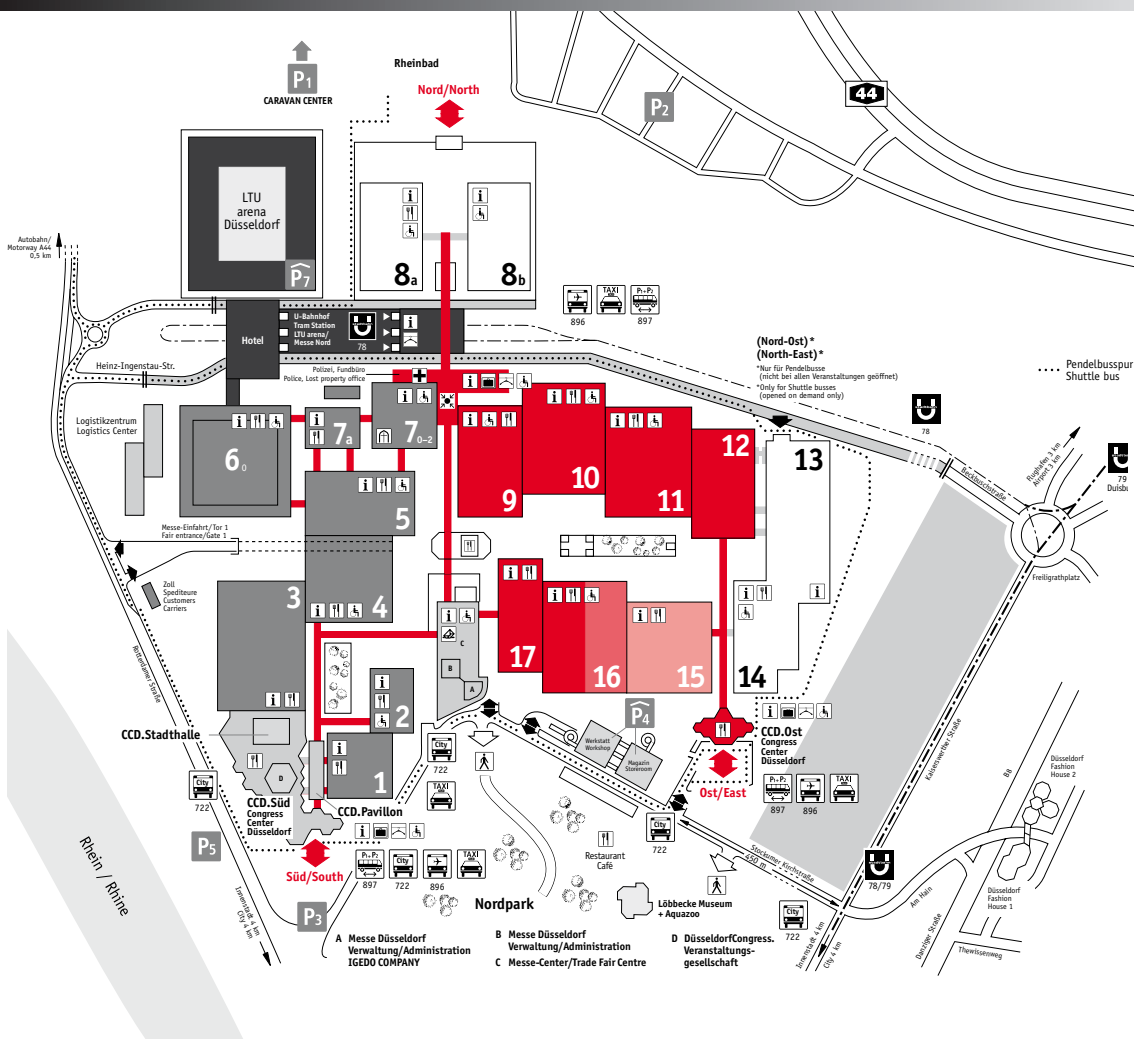
12-16 April 2010

The world's largest exhibition for the tube and pipe industries

A preview of Tube 2010 could be composed exclusively of confident assertions. The first-ranking show in the tube and pipe industry will attract leading exhibitors — over a thousand of them — from around the globe. On display in the spacious halls of Messe Düsseldorf will be the most advanced machinery and equipment anywhere for every tube-related purpose, large and small. More than 70,000 visitors will arrive in Düsseldorf with high expectations, which will be met and exceeded. They will leave Düsseldorf primed as never before to profit from the opportunities that lie ahead for their sector. By any objective criteria that might be applied, time at Tube 2010 will be time well spent.

But it could also be confidently declared that other expectations — just as important, if less easily quantified — will be abundantly fulfilled by Tube 2010. Call these the imponderables. They include the exhilaration of exchanging information with like-minded professionals; the gratification that comes of testing a problem against a host of cutting-edge solutions until an answer — the answer — is found; the awareness of being on the frontier of knowledge of a vital industry.

These, too, are Tube. Ask anyone who has attended a previous edition of the show. You will find this visitor in the tens of thousands in the Rhineland in April — back at Düsseldorf for the refresher course. They wouldn't miss it for the world.



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Federfertigungstechnik
Spring Making

Bosal Benelux NV

Belgium Hall 3 Stand C19

Bosal is a large-scale European manufacturer of tubes, with specially equipped factories in Belgium, France, the UK and South Africa.

The company supplies round, oval, rectangular, square or any other shape of tube.

These tubes can be supplied as TIG-welded and thin-walled (0.3mm up to 1.2mm), or high frequency welded and thicker-walled (0.8mm up to 3mm), produced in cold reduced, hot rolled, galvanised/aluminised steel, plain or perforated tube.

With ISO and TS 16949 certification, the company manufactures its products on advanced tube mills, using the most up-to-date decoiling, forming, welding, cutting and packaging methods.

www.bosal.com

Conros Steels Pvt Ltd

India Hall 2 Stand A33

Conros Steels, established in 2005, manufactures black and galvanised ERW steel pipes and tubes, and hollow sections from 1/2" to 4".

The company is expanding its capacity by introducing new state-of-art equipment, being imported from USA and Europe, for manufacturing larger diameter pipes and API line pipes from 2 1/2" to 8" diameter, and square and rectangular hollow structural sections.

According to Shehzad Hemani, chairman and managing director of the Conros Group, "Each Conros product goes through stringent quality control checks at all stages of production.

"The Conros quality control department inspects all incoming materials, bought out components and the process quality conforming to IS, BS, DIN and other standards."

All pipes and tubes manufactured by Conros are individually inspected for finish and uniformity, then weighed and tested to ensure consistency of zinc coating. All material is shipped in sealed containers for protection from the elements, and ease of processing upon receipt.

info@conros-group.com
www.conros-group.com

Emin Teknik Ltd

Turkey Hall 5 Stand F32

Founded in 1970, Emin Teknik produces annular corrugated flexible stainless steel hoses, assembled hoses, hose making machines, fittings, railway fasteners and materials. Expansion joints and bellows will soon be added to the company's product range.

Eminflex stainless steel corrugated flexible hoses are manufactured by continuously processing the material on



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high speed automatic forming machines, in steel grades AISI 316l and 321, to ISO EN 10380, with close, standard and wide pitch annular corrugation form.

The hoses have good flexibility and high strength, and are heat resistant and pressure tight. The hoses can be used to convey most kinds of fluids, gases and chemicals, and can absorb thermal expansion and vibration.

info@eminteknik.com
www.eminteknik.com



▲ ISEND's FOCAnalyzer

Handle SA

France Hall 3 Stand C55

Handle SA manufactures stainless steel tubes and cannulas. The company's capillary tubes are used in several industrial fields, and are also used for temperature control and regulation and in micromechanic industries.

With dimensions ranging from 0.25 to 10mm OD, and 0.06 to 60mm ID, the company produces a complete range of stainless steel hypodermic cannulas, to manufacture various types of single-use needles and catheters, in OD dimensions 0.25mm (31G) to 2.12mm (14G).

sales@handle.fr
www.handle.fr

ISEND SA

Spain Hall 4 Stand C14

ISEND SA provides eddy current and flux leakage test systems customised to users' needs and standards. The technology is used for inspection,

measurement and industrial quality control in the iron and steel industry, automotive, energy, petrochemical and other industrial sectors.

The company has launched two new ranges of eddy current equipment: FOCAnalyzer PRO® and ROTODiscover®, targeting the inspection needs of the pipe/tube and wire industry. The new products incorporate state-of-art technologies and new intensive data processing algorithms.

The range starts with a single-channel model, through the FOCAnalyzer family, including the PRO® Series, which can control up to 256 channels, and is designed for simultaneous inspection of several production lines. It has a wide frequency range, including very low frequencies, and is used in facilities requiring a large number of probes for production control at different process steps, and also for complex inspection systems at high speeds.

The ROTODiscover range for rotating industrial systems features up to 8 channels, with controlled lift-off on each channel. It allows rotating inspection

with 2, 4, 6 or 8 probes at high rotary speeds, which means there is no need to slow down the production line speed. This unit with rotating industrial system is used for longitudinal defect detection, for precision-calibrated products requiring a high degree of accuracy.

All ranges have integrated input/output control, which simplifies installations and integration in the field, and avoids the use of specific programmable logic controllers. Connectivity is assured by a wide range of industrial communication interfaces, including CANOpen, DeviceNet and ProfiNet.

contact@isend.es
www.isend.es

Kallas Edelstahl GmbH

Germany Hall 3 Stand C33

Kallas Edelstahl GmbH was founded in 2001, and with the support of the Italian tube mills Satinox Tubi Inox SpA, Vigano di Gaggiano (Mi) and Tubinox Srl, Eupilio (Co), was able to establish



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itself in Germany and the neighbouring countries as a stockist for stainless semi-finished products, in particular welded stainless steel tubes and pipes.

In addition to its stockist business, the company delivers from new production – based on its partner mills – tubes, pipes, round and flat bars, and angles. Heat exchanger tubes and pipes are a major area of business.

The company operates two saws to cut tube of 8 to 80mm outside diameter, in lengths from 100 to 3,000mm. Kallas Edelstahl also specialises in cutting polished and mirror polished tubes without damaging the surface.

A polishing machine enables the company to fulfil special needs, such as being able to polish small diameters and non-standard dimensions, and to provide a fast polishing service.

info@kallas-edelstahl.com
www.kallas-edelstahl.de

Profilmec SpA
Italy Hall 3 Stand C58

Profilmec specialises in the manufacture of high-frequency electro-welded cold rolled precision steel tubes and profiles. The materials employed are hot rolled pickled steel (standard and special), cold rolled steel (standard and special), aluminised steel, hot galvanised steel and aluminium.

The company's product range is wide and diversified, with the possibility to customise the product according to customer requirements. The diameter range is from 8 to 120mm, with thickness from 0.5 to 3mm. All products can be supplied with special finishing and packaging. The pipes can be supplied in bars or in pieces cut to specific measurements, and the surface can be customised on the basis of the final application.

Profilmec products are used in markets such as automotive, cycle and motorcycle, manufacturing of furniture for furnishings and gardens, camping and household items, radiators and buildings. The company offers tubes with specific technological characteristics, suitable for eventual next working steps including cutting,

bending, funnelling, welding, painting and galvanic treatment.

profilmec@profilmec.it
www.profilmec.it

Ronconi SpA
Italy Hall 3 Stand F01

Ronconi SpA produces cold drawn tubes and pipes with a large range of dimensions (OD from 8 to 170mm, 3/8" to 6"), in steel grades including carbon steel, low alloy steel and high alloy steel. The company's major products are energy tubes and mechanical tubes.

Energy tubes for heat exchanger, refinery, chemical and boiler applications are available in steel grades A179, A192, A210 and A334, up to alloy steel such as A213 T11, T12, T22, T5, T9 and T91, according to ASTM/ASME, EN and other national European standards.

In the last two years Ronconi has also started supplying stainless steel tubes such as TP304 /H/L, TP316 /H/L/Ti and TP 321 /H, including duplex steel grades. Tubes can also be supplied as U-bent, finned tubes, according to requirements.

The company's mechanical tubes are for general mechanical applications, cylinders, oleo-dynamical, special and profiled. Steel grades are mainly according

to EN10305-2-4 E215, E235 and E355, in different delivery conditions.

The company can also produce tubes in grades 20MnV6, 25CrMo4, 42CrMo4, C35, C45, C60 and StE690, among others, and has started producing tubes in 100Cr6 for ball bearing and other applications.

Ronconi SpA buys raw material for its own warehouse and produces to customer demand. The company is ISO 9001 and PED certified by TÜV.

info@ronconi.com
www.ronconi.com

Sankyo & Co Ltd
Japan Hall 3 Stand A05

Sankyo & Co Ltd was founded in 1975, to serve key markets of oil and gas, petrochemical, power plant, desalination and shipyards.

Products include seamless tube and pipe (1/2"-6" common grade), Duplex 31803, 32205, 32750, 32760 and 39274, alloy 20, C276, 600, 625, 800 and 825, copper alloy, hydraulic and instrumentation tubing (6-80mm OD), in TP304/L, TP316L, A&P and OD Polish (320 grit).

sales@sankomj.co.jp
www.sankomj.co.jp



Profilmec has a production capability of over 1,450 tons per day, distributed on 35 mills

Tube & Pipe Technology
UK Hall 4 Stand F17



Tube & Pipe Technology magazine is the international trade magazine for the tube and pipe industries, published six times a year in the English language.

It covers the production, processing and utilisation of tube and pipe. Each issue of the magazine provides coverage of essential industry news, personnel changes, and technology and product updates. The magazine includes regular topical columns, a variety of technical features and in-depth articles highlighting the very latest scientific information and manufacturing solutions in the tube and pipe industry.

The magazine has a loyal worldwide readership of over 13,500, and is distributed to managers, buyers, technologists, engineers and specifiers in more than 100 countries.

Working in partnership with the International Tube Association (ITA), *Tube & Pipe Technology* is also sent out to ITA members free of charge as part of their annual membership deal.

Tube & Pipe Technology is also available as an online e-zine, to reach even more worldwide readers, with selected content available free to all and the entire digital version available on subscription. Readers of the e-zine can click on hyperlinks to be sent directly to websites, while advertisers are able to incorporate video-movies into their adverts if they wish to.

Visitors to Tube Düsseldorf 2010 can pick up a free copy of the latest issue on arrival in the Main North Entrance Hall, or at the *Tube & Pipe Technology* stand, together with information on subscriptions, advertising and the new e-zine.

tpt@intras.co.uk • www.read-tpt.com

Unifit has added new lines to its production pool and increased production capacity to more than double. With new semi-full automatic induction machines for elbow, new oil pressure cold forming tee and reducer machines, and cap forming machines, production capacity has increased to 800 tons per month.

All Unifit products are manufactured in accordance with Directive PED/97/23/EC – Annex I, Chapter 4.3. With new machines, the company produces to common standards such as EN, DIN and ASTM, with a wide product range that includes seamless and welded steel elbows, equal tees, reducing tees, concentric and eccentric reducers and caps.

Unifit Fittings currently exports to western Europe (UK, Spain, Belgium, the Netherlands and Austria), middle-eastern Europe (Poland, Latvia, Romania and Bulgaria), the Middle East and North Africa.

Burak Boru supports industrial sectors such as automotive, HVAC installations, construction and naval architecture.

All materials are tested in the manufacturing factory and are certificated according to EN, DIN, ASTM, API and GOST standards.

info@unifit.com.tr
www.unifit.com.tr

info@burakboru.com.tr
www.burakboru.com.tr

Unifit Fittings and Burak Boru
Turkey Hall 1 Stand E33

Unifit Boru Baglanti is a Turkish manufacturer and wholesaler of seamless steel pipe fittings and langes, established in 2005. Sister company Burak Boru, a seamless carbon steel stockist, supplies all of Unifit's product ranges.

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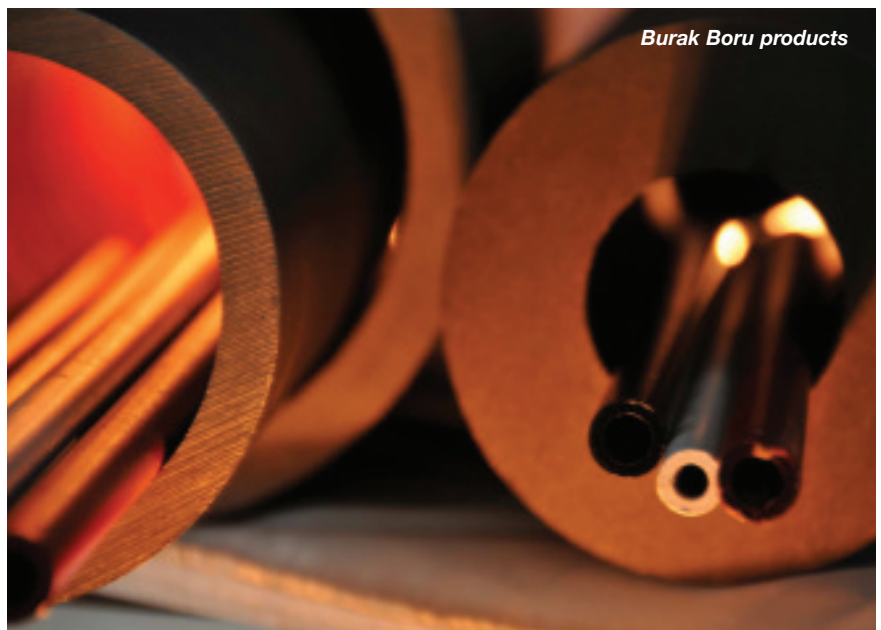
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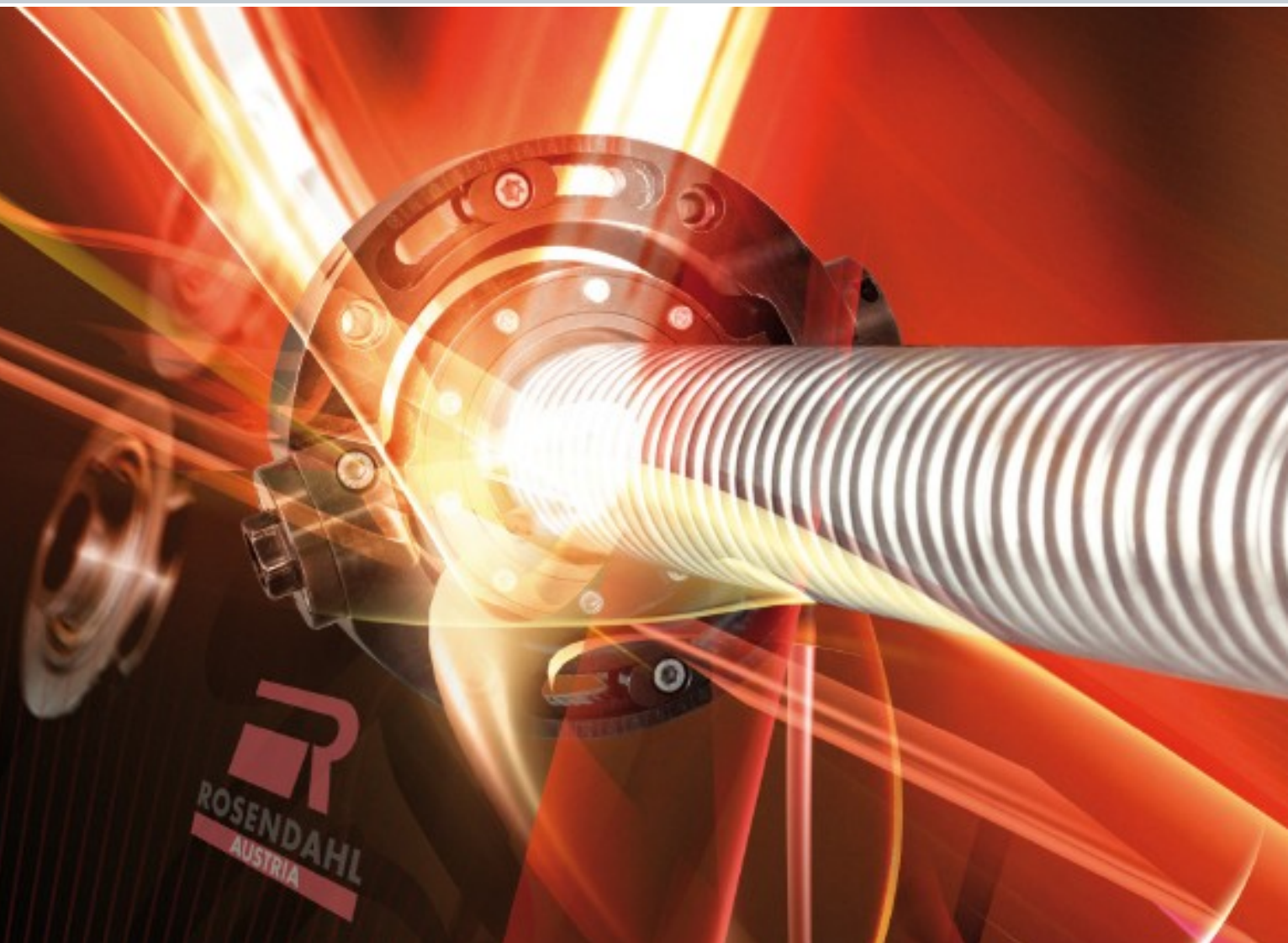
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Tube[®]
Düsseldorf


Copper Tube

Copper, used for centuries, has gained new popularity in its modern form: light, strong, corrosion-resistant tube. Its long-lasting and maintenance-free characteristics make copper the leading choice for plumbing, heating, cooling and other mechanical systems.

It never requires painting for protection from corrosion. In addition, a thin film forms inside the tube, providing natural protection from corrosion. Copper is safe, too. It will not burn or support combustion. So it will not carry fire through floors, walls and ceilings, and it will not decompose into toxic gases.

Copper tube bores remain smooth, and internal diameters stay constant making it a lasting and popular product.



Copper and copper alloy surface enhanced tubes from China

Copper tube manufacturer Wuxi Longda Copper Metal Industries was established in Wuxi, China in 1994. After rapid growth, in 2004 the company built a new factory for copper and copper alloy condenser tubes to serve the global market. This factory received product development and production improvement assistance from Apeldoorn Metals International bv, a corporation dealing in such products since 1935.

Extensive investments were made in new and progressive manufacturing equipment, and in 2008 a new production hall was built to accommodate a range of new tube finning machines and auxiliary equipment.

Fin blanks in copper and copper alloys are supplied by the company's in-house factory. Wuxi Longda is now ready to

serve the world market through the experienced commercial organisation of Apeldoorn Metals. Within China, the company is already an important supplier for the HVAC industry.

The company has a wide range of standard surface patterns, and can develop and manufacture new patterns for optimising HVAC capacities.

Wuxi Longda also manufactures low finned and medium high finned tubes, as well as a range of corrugated tube partners.

Apeldoorn Metals International bv – Netherlands
info@dutchmetals.eu
www.dutchmetals.eu

▼ *Enhanced condenser tubes*



▼ *Enhanced evaporation tubes*



Thin-walled seamless copper tube

Qaem Copper Industries Company, a producer of seamless copper tube including LWC (plain and inner grooved), straight and pancake, has developed thin-walled copper tubes. These thin-walled tubes are produced in LWC form, both in plain and inner grooved type.

The tubes are lightweight and have good heat transfer compared to thicker-walled tubes. The copper tubes are clean, since they are annealed in a furnace that has been equipped with a copper tube purging (CTP) system. This system provides a protective atmosphere through level-wound copper tube coils during the annealing process.

To ensure product quality in the domestic and foreign market, the company's test facilities have been equipped with modern equipment such as German eddy current testing, German optical emission spectrometer, English tensile tester and Japanese optical microscope, which enable the company's products to be used in air conditioning systems, industrial refrigerators, condensers, heat

exchangers, gas heaters, and fitting and plumbing installations. Using eddy current testing ensures high quality for industrial processing.

Qaem Copper Industries Company – Iran
info@qaemcopper.com
www.qaemcopper.com



Copper Tube

Industrial smooth surface and inner groove tubes

Industrial tube from Wolverine Tube, Inc consists of small and medium-diameter copper tube made to customer specifications for equipment manufacturing. Industrial tube products include coils in lengths of up to one mile (to permit economical transport to customers for further processing), smooth straight tube, internally-enhanced tube with internal surface ridges to increase heat transfer in air conditioning coils, and very small diameter capillary tube (as small as 0.01") for control valve operations.

Wolverine Tube's smooth surface tube components have helical integral ridges that allow for efficient heat transfer.

These integral ridges improve the efficiency of heat exchangers in which refrigerant condenses or evaporates within the tube. The smooth surface tube products can be supplied in level wound coils, or in straight lengths.

Inner grooved copper tubes are found in residential and commercial air conditioning and refrigeration applications. The company's seamless inner grooved tube's (IGT) highly precise dimension and integral groove shape increases the efficiency of heat exchangers, continuously driving improvements in environmentally friendly refrigerants.

Capilator® tube is Wolverine's capillary tube, used throughout the refrigeration and air conditioning industry for flow restriction applications. These tubular components are produced in copper hard drawn straight lengths. Control Tube is a small bore annealed tube used in applications such as heat loop and pressure control for refrigeration manufacturing. Control tube is available in straight lengths, level wound coils and bunch coils.

Wolverine Tube, Inc – USA
mkt@wlv.com • www.wlv.com

Copper capillary tubes from India

Vaishali Metals Pvt Ltd was established in 1989 to manufacture critical components such as fine bore copper capillary tubes matching ASTM standards for refrigeration and air conditioning industry and other applications. The company is also equipped with the facility to manufacture tin plated copper capillaries required for temperature control/thermostat industry.

The company received technical support and training from Whirlpool Corporation, USA, for converting its existing manufacturing facility to be compatible with ozone-friendly non-CFS refrigerant and hydrocarbons. Vaishali Metals products are also used in applications in industries including instrumentation, expansion valves, automotive, temperature gauges, medical appliances and fire alarms.

Vaishali Metals Pvt Ltd – India
papriwal@vaishalimetal.com
www.vaishalimetal.com



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Tel: 886-3-381-5218 Fax: 886-3-381-5188

Seamless, extruded and drawn copper and copper alloy manufactured products

Products from Multimetals Ltd



Multimetals Limited was founded in 1962 as a joint venture with Revere Copper and Brass Inc, USA. The company is a manufacturer of seamless extruded drawn copper and copper alloy products including tubes of 90/10, 95/5 and 70/30 cupro nickel, cunifer, aluminium brass, admiralty brass, 70/30 brass, 63/37 brass and naval brass conforming to various international standards. The company caters to industries such as air-conditioning, refrigeration, heat exchangers, nuclear and thermal power plants, shipbuilding and repairs, petroleum refineries, sugar plants, defence establishments and naval warships.

In addition to standard products, Multimetals manufactures other

copper-based alloy semis, to customer requirements of chemical, mechanical, metallurgical and physical properties.

The alloys include aluminium bronze, manganese bronze, naval brass, 90/10 copper nickel, 70/30 copper nickel, forging brass, tellurium copper and nickel silver, in the form of hollows, sections, profiles, rods and wires. These alloys provide a combination of strength, anti-corrosion properties and oxidation resistance.

The company also manufactures copper nickel tubes in LWC form, and has an in-house facility to make U-bend tubes, low finned tubes and surface enhanced finned tubes.

Multimetals Ltd – India
sales@multimetals.in
www.multimetals.in

Portable system for brazing or soldering of copper joints

Cheltenham Induction Heating, an Ambrell company, has launched a new accessory for the Ekoheat line of induction heating systems. The portable work head is used in both manufacturing and service/repair facilities for brazing or soldering of copper joints.

The unit accepts a tool-balancer or a harness for easy positioning. Coil position may be changed with simple

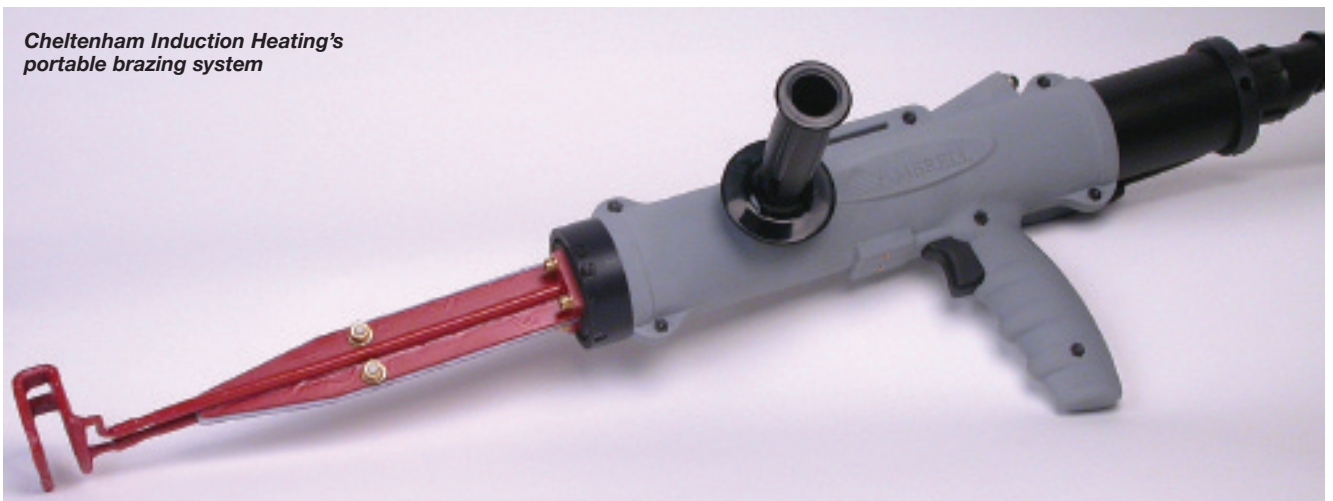
tools and the mounting rotates through 270° to meet various application configurations. Heating occurs within a 5m radius (optional up to 15m) via a flexible cable that attaches at the power supply. Operation is simplified with a pistol-grip heat-on control that halts heating if released.

The Ekoheat family of products is manufactured at an ISO 9001:2008

certified Ambrell facility. This portable accessory for the CE-marked Ekoheat system is shielded and tested for ICNIRP conformance. Ambrell also provides system solutions with full-scale output power from 1kW to 500kW across a wide range of output frequencies.

Cheltenham Induction Heating – UK
sales@cihinduction.com
www.cihinduction.com

Cheltenham Induction Heating's portable brazing system



Risers to withstand extreme dynamic stresses



The tension leg platform (TLP) in the URSA field has a water displacement of about 97,000 tonnes (photo credit: Shell)

The URSA field was discovered in the Gulf of Mexico in 1991. It is located in the Mississippi Canyon about 130km southeast of New Orleans at an average depth of 4,000ft. The production unit is a tension-leg platform (TLP) with a water displacement of around 97,000 tonnes, and the total height from the seabed to the top of the drilling rig is 4,285ft.

The structure was designed to withstand hurricane-strength winds and waves, and is anchored by 16 steel tendons (four at each corner), each of which is 3,800ft long. The tendons consist of pipes with an inside diameter of 32" and a wall thickness of 1.5". At the seabed each tendon is connected to an anchor pile with a diameter of 96ft and a length of 440ft, weighing about 380 tonnes. Production started on 8 March 1999 with a designed capacity of 150,000 barrels daily from 14 boreholes.

Two steel catenary risers transfer oil and gas from the URSA platform to pipelines on the seabed, which carry them 47 miles to West Delta platform 143. They were installed with the help of Derrick Barge 50. Under the leadership of Shell Deepwater Production, the partners in the project are Shell (45%), BP (23%), Conoco and Exxon (each 16%).

Steel catenary risers are welded pipelines that connect floating deep-sea production platforms to nearby structures anchored to the seabed. Considerable bending and continuous motion mean that they are subject to extreme dynamic stresses. Help is provided by thickened and precisely machined pipe ends – premium upset riser ends.

Joe Hill of Vallourec & Mannesmann Tubes states, "Gas and oil are as indispensable as ever for our civilisation. Most easily accessible onshore and shallow-water reserves have already been developed." New reserves are now found above all in deep water. Their development requires specialised technologies and makes more exacting demands on materials. The challenges facing pipe manufacturers in this sector are illustrated by the example of the development of premium upset riser ends (PURE) by V&M Tubes.

"Floating production installations such as Shell's URSA platform in the Gulf of Mexico are extremely costly. For this



The pipe end is heated to 1,280°C before being forced into the slit between a two-part die and a mandrel

reason, they have to cover the largest possible area of the seabed,” explained Volker Rohden, product manager of riser and flowlines at V&M Tubes. URSA is a tension-leg platform around 130km south of New Orleans. The depth of the water there is 3,995ft (1,218m). URSA floats with the help of the buoyancy provided by four giant vertical steel cylinders and is anchored to the seabed by steel tendons (tension legs). In addition to the conventional risers, which run vertically from the platform to the template on the seabed, it has steel catenary risers that link it to pipelines running at right angles to it. Steel catenary risers consist of pipe strings that are welded together onshore, provided with the necessary surface coating, and then reeled onto the giant drum of a pipe-laying vessel.

Steel catenary risers descend in a curve to the touchdown zone on the seabed, where they run horizontally. The pronounced curvature and the swings caused by the relative motion between the platform and the kilometres-long string impose considerable dynamic stresses. This is especially critical in the area of welds. As a result, the targeted design life of traditional steel catenary risers is 20 years. One target of the development of the PURE risers was to increase this targeted design life from 20 to 30 years. Not only the requirements for the risers were extreme: the whole URSA platform was designed to exceed the highest industrial requirements for hurricane force wind and waves.

The crucial problem was the dimensional tolerances of the pipe ends achievable with the formerly used production methods. *“Previously, neither our own specifications nor those of API5L were adequate to*

enable pipes to be produced with end dimensions sufficiently accurate to ensure the quality of fit needed for welded SCR connections,” said John Hardie, staff engineer, pipeline systems at Shell International Exploration and Production Inc. This is attributable to the unavoidable deviations in diameter caused during the rolling of the pipes. An even more serious problem is that the pipes exhibit a degree of ovality. The effect of the two shortcomings is cumulative.

Allen McNickle, supply chain representative at Shell Exploration & Production, commented, *“As a result, the welded pipes do not fit together sufficiently accurately, so that the stabilisation of the welding process is problematic and there are wall thickness variations in the weld area. This has a highly adverse affect on inspectability and dynamic strength.”*

The preferred solution was matching the pipes after machining and precision measurement of each pipe end. This was an enormously demanding logistical task, as all the material had to be measured, sorted with the help of a computer, and fed into the welding process in an exactly defined sequence and at an exactly aligned angle of rotation.

Besides the demanding technical and logistical aspects, there are other problems. Machining reduces the wall thickness in the weld area, where fatigue strength is especially critical. This narrows the tolerance specifications for the welding process and increases the stress levels in the endangered area. Moreover, a given production batch may not contain enough ‘matching’ pipes.

As a consequence, pipes from different production batches may have to be machined to make their inside and outside diameters match, or pipes with a thicker wall may have to be used. The logistical problems of welding onshore or, even more difficult, on the pipe-laying vessel, can be huge.



PURE pipe ends are carefully machined both inside and outside after the upsetting process

The use of different production batches makes everything even more complicated. As they usually exhibit different mechanical properties, the production batch may also have to be taken into consideration during sorting in order to ensure perfect welds. The result is a puzzle of such complexity that a solution is not always possible.

The other apparently obvious solution – using thicker pipe material and ensuring the necessary equality of the pipe ends by mechanical machining – entails considerable disadvantages. Besides the cost aspect, there is a weight problem to consider, as the riser would be much heavier. The platform would have to be made larger, at not inconsiderable additional cost, in order to carry the added weight.

A more serious consideration is that the crucial wall thickness of the pipe string would then be at its lowest in the weld zone. In view of the greater rigidity of the central zone of the pipe, stresses and deformations – especially during bending – are concentrated in the weld zones. The consequence is a disproportional reduction in their dynamic strength.

V&M Tubes has worked on technologies for the fit-for-purpose preparation of pipe ends for many years. The range of options includes calibration, internal and external mechanical machining, and thickening by upsetting.

Volker Rohden commented, “Shell wanted to utilise this know-how and therefore in the context of the URSA project, it requested suggestions for a riser end design that would meet the end dimension tolerance for SCR welding without any further machining or sorting of pipes.”



Welding the pipe string onshore

The PURE concept consists of a single work step in which the pipe end is thickened and exactly rounded at the same time. This is achieved by upsetting the inductively heated pipe ends against a mandrel and outside mould in a controlled process.

The inside and outside of the pipe end are then machined. This narrows the tolerance of the inside and outside diameter to an extent that would be unthinkable in conventionally rolled pipes. In comparison to rolled pipes of the same dimensions, the diameter tolerance is just $\pm 0.25\text{mm}$ instead of the usual $\pm 1.6\text{mm}$. Ovality is no longer a concern. Each pipe can therefore be immediately welded to the following pipe with optimal processing parameters and without prior sorting. The result is a significantly longer service life of the weld under conditions of dynamic stress.

The key to the design is a curved outer groove, which ensures optimal stress distribution in relation to the fatigue strength. The calculations of the engineering team headed by Dipl.-Ing Marion Erdelen-Peppler of Salzgitter Mannesmann Forschung GmbH in Duisburg played an important role in this project.

After completion of the development, Shell purchased a total of 650 PURE pipes and subjected them to its own comprehensive tests.

The results were satisfactory and in November/December 2007 two PURE riser strings were produced onshore for the URSA platform and reeled onto the giant drums of the pipe-laying vessel *Technip Deep Blue*.



Finished riser strings on their way to the drums of the pipe-laying vessel

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Tel.: 0086-10-51656609, 0086-13910833898 Fax: 0086-10-84928449
sales@china-steelpipe.com www.china-steelpipe.com