

Sheringham Shoal Offshore wind farm project secures its submarine cables

Nexans has been awarded a contract worth an estimated 24 million Euro to supply the submarine export cables for the Sheringham Shoal Offshore Wind Farm project, located approximately 20km offshore from Sheringham, on England's north Norfolk coast.

The full execution of the cable contract, awarded by StatoilHydro, is subject to offshore development consent from the UK government and the project's final investment decision, expected during the 2nd half of 2008.

The contract includes engineering, procurement and construction of two 22 km 145 kV XLPE (cross-linked polyethylene) submarine export cables, and a spare cable with associated equipment.

An optical fibre cable manufactured at Nexans site in Rognan will also be included.

The power cables will be manufactured at Nexans' factory in Halden, Norway for delivery in mid April 2010. The proposed wind farm will cover an area of 35 km² in water averaging 20m water depth.

It is planned that 88 wind turbine generators, with a unit rating of 3.6 MW, will be connected via a network of infield cables to two offshore substations.

The total installed generation capacity will be 315 MW and, in an average year,



▲ An artist's impression of the completed Sheringham Shoal Offshore wind farm, off the Norfolk coast

approximately 1.1 TWh of power is expected to be available for export to the regional distribution network at Salle substation.

Completion and start-up of the wind farm is planned for 3rd quarter 2011.

Sheringham Shoal Offshore Wind Farm will be developed by Scira Offshore

Energy Ltd, established specifically for this development and owned 50% by Norwegian company StatoilHydro and 50% by the Dutch company Evelope Project, a subsidiary in the Econcert BV group.

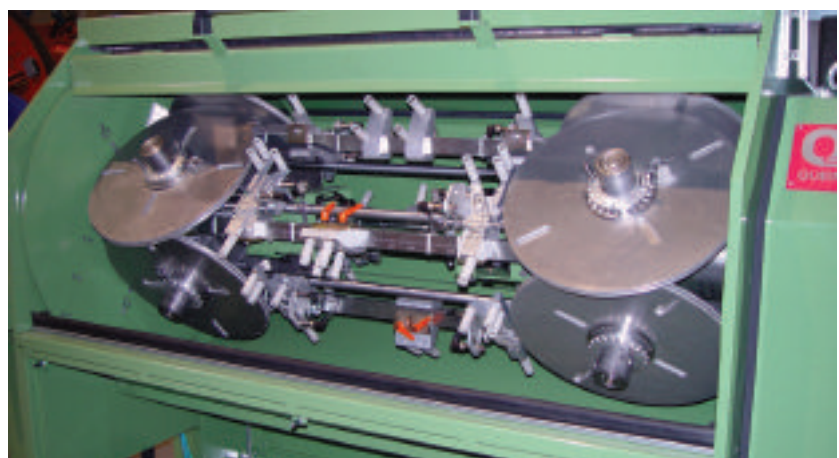
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Queins' new eight-pad head has it taped

Queins & Co has recently designed a new high-speed eight-pad taping head, mainly used for flat conductors and CTC-strands. The range includes modern concentric and tangential taping heads for paper, plastics and MICA-tape.

Machines are also available for armoring with galvanized steel wires or steel tapes. Extrusion/sheathing lines are being built for all types of cables and equipped with state-of-the-art electrical controls and measuring instruments.

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CONTENTS

American & Efird (GB) Ltd.....	7
Ajex & Turner Wire Dies Co.....	8
Anhui Hengzheng Tech. Co Ltd.....	8
Carl Bechem GmbH.....	7
T Butler Engineering Ltd.....	15
Chengdu Centran industrial.....	20
China Southern (Group) HK Ltd.....	13
DSE A/S.....	5
Eder Engineering GmbH.....	23
ESM AS.....	21
Esteves-PDT SA.....	20
Ger SA.....	10
Hoang Hung Long Co Ltd.....	13
Holton Crest.....	11
Madem SA.....	9
Nexans.....	1
Nextrom.....	4, 20
Masch. Niehoff GmbH & Co. KG.....	5, 15
NOTA Zaklad.....	16
Pourtier Gauder Group.....	8, 20
Pressure Welding Machines Ltd.....	4, 10
Proton Products International.....	12
PS Costruzioni Meccaniche Srl.....	21
QED Wire Lines Inc.....	14
Queins & Co GmbH.....	1
Rautomead Ltd.....	11
Roblon Industrial Fiber Division.....	15
Rosendahl Maschinen.....	4, 20
Scapa Cable Solutions.....	5
Shanghai Lizhi Machinery Co Ltd.....	13
Sikora AG.....	5, 16
Sikora Asia.....	3
Solvay Padanaplast SpA.....	22
Techna International Ltd.....	2
Tecnosider Srl.....	9
Teknodiam Srl.....	21
Tianjin Jianke Mechanical Products...	14
Wyrepak Industries Inc.....	23
Zeller + Gmelin GmbH.....	9
Zumbach Electronic AG.....	19

Wire & Cable News

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King of the rings!

Rolling-ring drives and linear drive nuts provide solutions for the simplest to the most complex movement applications such as winding, linear transportation, cutting, feeding, measurement, testing, packaging, spraying, spreading, spooling, x-y table travel, converting, metrology and numerous other operations.

RG series rolling-ring friction drives uniquely operate by converting unidirectional rotary motion of a plain unthreaded, round, hardened shaft into totally backlash-free, automatically reciprocating, two-directional linear travel.

Such drives are equipped with infinitely variable pitch (speed) which can be set from zero to 4.2m/sec, without the need to slow or stop the motor and provide instant change of directional linear travel without any need for reversal of shaft rotation.

A simple 'free-movement' mechanism allows for manual disengagement and repositioning on the shaft, if required. The ease of operation and absence of 'thread' related stoppages means reduced downtimes and increased production rates.

All functions of RG drives (reversal, stroke width, pitch per revolution and free movement) can be remotely controlled and heavy loads and high forces can be accommodated with additional load carriers, whilst reversal can be pneumatic or electromagnetic.

RG drives are available in eight models for shaft diameters from 15mm to 80mm. Side thrust of up to 3600 newtons can be achieved.

Operating in a similar way, RS series linear drive nuts also incorporate rolling-rings but, in this case, the pitch is fixed to provide a constant speed and direction of linear travel requires shaft-rotation reversal. Seven models cover shaft diameters from 10mm to 60mm, with up to 2000 newtons side thrust being available.

Latest products in the range utilise high quality plastic materials proven in over 80 million reversal cycles, at increased load in series production and incorporating design features which have been specifically developed to provide price advantages by incorporating reduced labour costs and a minimum of component machining.

Such developments are the result of more than fifty years of the R & D, design and production experience of Joachim Uhing KG., inventors and manufacturers of rolling-ring drives and systems.

With over 35 years UK representation of these products, Techna International can provide applications assistance backed by the latest internally developed computer modelling software, together with extensive spares facilities and a full servicing capability.

The Uhing / Techna relationship offers users an unmatched combination of products, options, continuous R&D, spares and servicing and perhaps the ultimate advantage of dealing with experienced people who, though having no connection with Tolkien's books or films, may perhaps reasonably, still be thought of as "Kings of the Rings".

Techna International Ltd – UK

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▲ Techna's Watford, Hertfordshire headquarters

New China office for Sikora

Sikora Asia has established a second office in Suzhou, China, situated in a highly industrial area close to Shanghai, and thus further strengthens its presence in the Chinese market.

The office consists of two bureaus providing enlarged space for the employees to meet all customer demands in their sales area.

Wanbin Chen, head of Sikora Asia, is confident about the business expansion.

"We decided for the additional sales location to be more flexible and able to specifically address and attend customers on time. Our customers can expect a more convenient service which includes lower service costs due to shorter travelling distances.

"As we also engaged new employees we can more profoundly react to individual customer needs and most of all we can improve the information flow with them.

"Simultaneously, our objective in establishing a second office here is to raise awareness about our products and to convey Sikora's company image of future-orientation," explains Chen.

Sikora Asia - China

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▲ Wanbin Chen – head of Sikora Asia – is confident about the expansion in Suzhou

Diary of Wire Events for Business, Technology and Education

2008

September

23-26 wire China 2008
Shanghai, PR China

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Messe Düsseldorf GmbH
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Website: www.wirechina.net

November

9-12 IWCS Conference
Rhode Island, USA

CONTACT: →

IWCS Inc
Fax: +1 732 389 0991
Email: admin@iwcs.org
Website: www.iwcs.org

20-22 Wire and Cable India
Mumbai, India

CONTACT: →

CII
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Email: info@ciionline.org
Website: www.ciionline.org

2009

January

10-13 Tekno/Tube Arabia
Dubai, UAE

CONTACT: →

IVMA
Fax: +44 1926 314755
Email: phillip@intras.co.uk
Website: www.ivma.org

April

27-30 Interwire
Cleveland, USA

CONTACT: →

WAI
Fax: +1 203 453 8384
Email: info@wirenet.org
Website: www.wirenet.org

May

12-15 wire/Tube Russia 2009
Moscow, Russia

CONTACT: →

Messe Düsseldorf GmbH
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Website: www.wire-russia.com

October

6-8 Metaltech/Tubotech
São Paulo, Brazil

CONTACT: →

IVMA
Fax: +44 1926 314755
Email: phillip@intras.co.uk
Website: www.ivma.org

13-15 wire/Tube SE Asia
Bangkok, Thailand

CONTACT: →

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Fax: +65 6337 4633
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Website: www.wire-southeastasia.com

November

2-3 Joint WAI/ACIMAF
IWMA Technical Conference
Istanbul, Turkey

CONTACT: →

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2010

April

12-16 wire 2010
Düsseldorf Germany

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Website: www.wire.de

The view from Düsseldorf – wire 2008



▼ The IWMA stand at Düsseldorf

According to statistics received from Messe Düsseldorf there were 1,129 exhibitors at this year's wire, occupying 53,358 m² of exhibit space with a total of 40,700 visitors from 72 countries. The numbers of visitors showed an increase of 4% from 2006 and of the total 58% were international.

MesseDüsseldorf's event survey concluded that wire visitors were interested primarily in machines and systems for wire production and processing, materials, speciality wire and cables, testing technology, measuring and control technology as well as process engineering tools. Visitors were mainly from the industry (80%), retail (8%) and trade sector (4%). The areas of environmental technology and energy efficiency and logistics were considered to be important additions to the exhibition's categories by 10% of visitors.

The IWMA hopes that everyone who attended wire Düsseldorf 2008 had a successful exhibition. For the record the IWMA booth secured 200 enquiries, which was 20% more than 2006. Of these 8 were new member applications. The IWMA fully expects to convert a good number of the remaining enquiries into new memberships.

Feedback from the IWMA's post event questionnaires showed overwhelmingly that the new style booth and its facilities were rated either "very good" or "good". These facilities were much in demand and the stand was extremely busy every day up to early afternoon on the last day.

Many exhibitors were very pleased with the quality of visitors to their booths and the comments of Dr. Ing. Joachim Schonbeck, chairman of the management board of SMS Meer GmbH, illustrate this

point: *"The two trade fairs, wire and Tube, have met all expectations we have of leading international trade fairs."*

"For us they proved to be outstanding platforms with the expected high level of sophistication of the trade visitors."

As far as the effect of the Metav exhibition was concerned IWMA personnel were able to discuss this with a number of exhibitors and visitors and received very mixed responses. In particular those who had to vacate halls 16 and 17 from the 2006 event were not in favour of a repeat in 2010.

On the other hand several major exhibitors told the IWMA that the addition of METAV had no effect on their participation in wire 2008. There was, however, a consensus that the size of the exhibition and the number of visitors put a tremendous strain on the local infrastructure as far as travel problems, hotel and restaurant availability and flights were concerned. Whilst Düsseldorf does host even larger events, exhibitors and visitors at wire 2008 were unaccustomed to such an influx of people.

There was strong interest amongst enquirers at the IWMA booth in many of the forthcoming exhibitions and especially wire China 2008, Tekno/Tube Arabia 2009 in Dubai and wire Southeast Asia 2009 in Bangkok. Also of great interest was news of possible forthcoming IWMA technical conferences and the directory website www.wirefirst.com

The IWMA is already receiving requests from members to be included in the Association's exhibitor group for wire 2010, which is scheduled to take place from 12-16 April 2010 without METAV.

"Most successful show in the group's history!"

This year's wire show was declared "best one ever" for Nextrom and Rosendahl. The booth was constantly crowded with attendees from the entire global wire, fibre and cable industry enjoying the group's traditional hospitality, which offered a great variety of wine and other Austrian and Finnish specialities.

A highlight of the week was the Customer Evening, with 350 partners attending from 39 different nations.



▲ Rosendahl and Nextrom hospitality proved popular

Many orders were signed, leading CEO of Nextrom and Rosendahl Mr. Siegfried Altmann to announce that, *"this is without a doubt, the most successful fair in our history."*

Rosendahl Maschinen GmbH – Austria
Nextrom Oy – Finland
Fax: +43 3113 5100 51
Website: www.rosendahlaustria.com

"Excellent leads..."

PWM, manufacturer of cold pressure welding equipment and dies, reported excellent sales leads from wire 2008 in Düsseldorf.

Managing director, Steve Mepsted, said: *"The quality of visitors to our stand was much higher than before, with far more decision-makers in attendance. Our portable trolley-mounted models proved the most popular with visitors, especially our new HP100 auto air/hydraulic welder designed for high cycle welding."*

"The manual M101 model and pneumatic P101 machine also generated interest and leads which we have since converted into sales."

Pressure Welding Machines – UK
Fax: +44 1233 820847
Email: pwm@btinternet.com
Website: www.pwmltd.co.uk

Machine sales for Niehoff

Maschinenfabrik Niehoff reports its most successful participation ever at a wire trade show.

The new opto-electronic traversing system NBAT for double twist bunching machines and the MT200/ RI170.2 line for data and telephone wire production attracted particular interest. Orders for several double twist bunching machines equipped with the NBAT were placed during the trade fair.

The exhibited data cable line consisted of an MT200 type wire drawing machine with an integrated RI170.2 continuous inductive annealer, developed and built by the Niehoff group joint venture company NBM.

Other exhibited equipment sold during the show included an MMH50/RM121 multiwire drawing line, the latest high speed rewinding machine DSA "Niehoff System Hacoba" with CS630 spool pay-offs for multiwire bundles, a double twist stranding machine DSI631 with back twist pay-off ARD630D and longitudinal tape pay-off ALB600, and a 24-carrier high speed braiding machine BMV24 with BAS 800 take-up and pay-off unit.

Maschinenfabrik Niehoff GmbH & Co. KG – Germany
Fax: +49 9122 977-155
Email: info@niehoff.de
Website: www.niehoff.de

Scapa at wire 2008

Scapa Cable Solutions, part of the Scapa Group plc, reported a successful week at the wire 2008 exhibition in Düsseldorf. Visitors to the stand represented over 50 countries with particularly strong interest from the Middle East and Africa.

Scapa Cable Solutions manufactures an extensive range of cable wrapping tapes and cable components, which are supplied direct to market leading cable and cable kit manufacturers.

Scapa cable wrapping tapes are widely used in the manufacture of power, telecommunication, data transmission, fire survival and sub-sea cables, and have been used in many of the world's major cable projects.

Scapa Cable Solutions – UK
Fax: +44 161 301 7446
Email: sales@scapacable.com
Website: www.scapacable.com

Sikora celebrates a stand with a view

Harry Prunk, chairman of Sikora, was delighted with the success of the company's 192m² two-storey stand at wire 2008. Stand visitor numbers increased by 45% compared to wire 2006.

The ground floor formed the exhibition area, where all measuring and control systems were exhibited, while the modern lounge-styled second floor created a pleasant atmosphere for meeting and discussion.



▲ The ground floor provided Sikora's exhibition area

"The second floor... was enthusiastically received by customers. From this outstanding position you could easily watch the fair," Mr Prunk explained.

"Our customers immediately felt comfortable at our booth, which contributed to the further development of business connections and to make new contacts."

New developments in the spotlight at Düsseldorf included the Centerview 8000 for an 8-point-eccentricity-, 4-point-diameter and 8-point-ovality measurement, and the X-Ray 8000 NXT for the application in CV-lines.

High achievers at the show were the diameter measuring devices of the Laser 2000 series, and the new display and control system, Ecocontrol 600 that clearly presents the measuring values of the connected measuring devices on an 8.4" TFT-colour monitor and controls the production process.

Sikora AG – Germany
Email: sales@sikora.net

Fax: +49 421 48900 90
Website: www.sikora.net

Testing success at Düsseldorf

DSE A/S received many visitors at wire 2008, showing strong interest in DSE's test solutions for the wire industry. The company was well represented and attracted many visitors from all over the world to its stand.

Customers showed interest in the high voltage continuity tester flexible (HVC), which DSE introduced last year, as well as the new Tangent Delta tester – the TD5.

"At this year's exhibition in Düsseldorf we saw an increasing demand for HVC equipment and especially for rectangular wire, which seems to be a growing market all over the world," said Poul Knudsen, product manager at DSE A/S.

He continued: "This indicates we are focusing on the test equipment that meets our customers' demands, but of course we will continue to monitor the market very closely."

The upcoming TD5 is an expansion of the worldwide popular Tangent Delta product range (TD300 and TD9000). "With the introduction of the new TD5, we have looked into the future demands for testing of enamelled wire. The TD5 sets new standards with respect to temperature range, which is up to 400°C and optionally higher, analysing tools, accuracy and low maintenance.

"Many of our customers are already looking forward to the launch of the new TD5, which we expect to be on the market later this year," concludes Mr Knudsen.

DSE A/S – Denmark
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Website: www.dse.dk

wire/Tube China 2008 exhibit space totally sold out

The third editions of these rapidly developing concurrent exhibitions will run from 23-26 September 2008 at the superb Shanghai New International Exhibition Centre (SNIEC) in the Pudong district of Shanghai.

Tube China 2008 will be located in halls W4 (mainly international exhibitors) and W5 (local exhibitors) whilst wire China will take place in halls W1 (international exhibitors) and W2 and W3 (both mainly local exhibitors).

These exhibitions are seen as increasingly important by the local industries and this is underlined by the large number of Chinese exhibitors who had already booked by the end of April 2008: nearly three hundred for wire and over two hundred for Tube.

Messe Düsseldorf informed the IWMA in May that both exhibitions were totally sold out with long waiting lists.

The IWMA will be located in hall W1 on information stand A43 providing its standard support services including office facilities, hospitality, meeting area



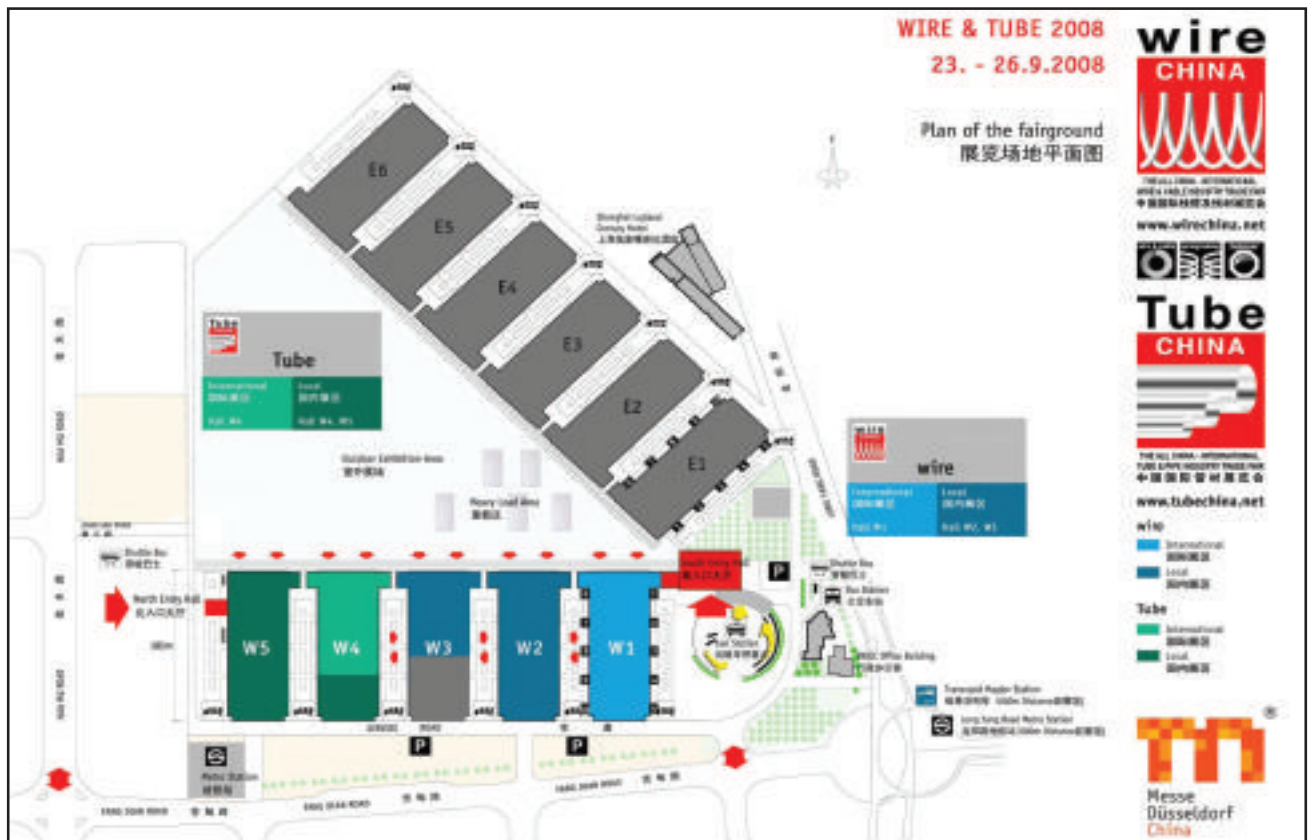
▲ The exhibition floor of wire/Tube 2006

and additional interpreter services for members and companies in the IWMA's exhibitor group. Personnel from IWMA member companies who are just visiting the exhibition will also be entitled to make full use of all these services.

For advice on attending wire China 2008 please contact the IWMA Secretariat.

The exhibition is organised by Messe Düsseldorf with support from Shanghai Electric Cable Research Institute.

▼ Map of the Shanghai New International Exhibition Centre (SNIEC) - home of wire/Tube China 2008



New methods of aluminium wire drawing

Encouraged by high copper prices many companies are choosing aluminium for the production of enamelled wires, while aluminium and aluminium alloy wires, previously applied in high and medium voltage lines or as coaxial cable, are increasingly used by the automotive industry looking for cost and weight reductions.

Traditionally, oils are used for drawing of aluminium wires and, especially in the field of rod wire drawing, those partially highly viscous media are essential. Their application is, however, linked with known disadvantages such as impossible filtration and an oil contaminated wire surface.

Benefitting from lower viscosity, the products from the BERUDRAW family, from Bechem, improved filterability, residue-free wires and more stable drawing processes.

The use of BERUDRAW AL 8, in combination with a tailor-made filtration, meets the requirements of energy supply companies with regard to surface quality and cleanliness of the wires.

New ways are now open for the end users: the application of emulsions for multiwire drawing of aluminium creates a clean, pleasant working environment, not achievable when operating with conventional drawing oils.

Clean drawing machines and optimal filtration provide an almost residue-free finished product with high-quality surfaces, which guarantees best finishing of the aluminium wires. In addition, improved filtration results in an extended emulsion life and corresponding cost savings.

Carefully selected additives from the UNOPOLAL-series promote long emulsion life and improved lubricating properties, as well as the frame parameters for a stable and efficient drawing process.

UNOPOL AL 560 has been successfully applied to multiwire drawing of aluminium up to a final diameter of 0.3 mm. UNOPOL AL 560 is especially suitable for inline drawing with subsequent annealing and enamelling processes.

Carl Bechem GmbH – Germany
Fax: +49 2331 935-1189
Email: hofmann@bechem.de
Website: www.bechem.com

Camel waterblocking yarn from A&E

New Camel waterblocking yarns from A&E Inc provide cable producers with valuable flexibility to tailor yarn count and absorbency characteristics for specific applications.

Designed for filler and binder applications, Camel waterblocking yarn is based on Super Absorbent Fibre (SAF) technology, for the ultimate in rapid absorbency.

Camel waterblocking yarn can reach 90% of its maximum absorbency in slightly more than five seconds, with an average minimum absorbency of 30-grams/gram.

This specialised yarn provides for clean and efficient payoffs from several package formats.

With SAF technology, absorbency is built into the yarn.

This feature translates into more absorbent material being conveyed into the cable without the powder build-up inherent with most SAP yarn products.

Dependent on yarn size, package lengths of over 122,000 meters are available.

Fine-count yarn options (down to 288-decitetex/34.7 km/kg) offer cable designers a new dimension in loose tube constructions and cable weight savings.



▲ Camel waterblocking yarn

A&E Inc is a leading supplier of high tenacity ripcords and binder yarns, as well as fillers, strength members and marker yarns to the global cable industry.

An innovator in textiles for more than 115 years, A&E Inc has global operations across Asia, Europe, and the Americas.

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FORTHCOMING IWMA SOCIAL EVENTS

IWMA Dinner Dance 2008

Friday 28 November 2008, Royal Garden Hotel, London, UK

IWMA AGM & Industry Lunch 2009

Wednesday 4 February 2009, Mere Golf & Country Club, UK

Please contact the IWMA office for further details,

Tel: +44 1926 834680 Fax: +44 1926 314755

or visit the website www.iwma.org

700th Drum Twister is a heavyweight

Gauder Group is pleased to announce an important contract for a Drum Twister line to be supplied to Saudi Cable Company.

This latest Drum Twister line is the 700th supplied by Gauder to the cable industry and will be the largest of its type.

The line, for the production of high voltage power cable, will be designed for a 4 metre take-up reel and 30 tons weight.

Pourtier - Gauder Group is a long standing supplier to Saudi Cable, a leading manufacturer of a complete range of cable in the Middle East.

Pourtier Gauder Group – Belgium

Fax: +33 1 64 26 61 10

Email: sales.pourtier@gaudergroup.com

Website: www.gaudergroup.com

Developers and suppliers of drawing machinery

Anhui Hengzheng Technology Co Ltd, established in 1999, specialises in wire drawing and twist bunching machines for fine wires in stainless steel, copper and alloy.

Hengzheng has opened a new ISO9001:2000 certified factory in Dadian Industrial Zone, Hefei city which is already supplying machinery. All machines are manufactured and assembled by specialists, and are subject to final inspection to the standard before delivery. Full technical and after-sales support is available.

Anhui Hengzheng Technology is keen to develop bespoke models to customers' specifications, utilising the core competencies of creativity and professionalism in design and manufacturing.

Product ranges cover drawing machines from 3.0mm to 0.012mm in outlet diameter for various steel wires and non-ferrous wires with annealing machines and, for the cable industry, twist bunching machines from 300mm to 1,250mm capstan diameter for working copper wires at a maximum twisting speed of around 3,000rpm.

Anhui Hengzheng Technology Co Ltd – China

Fax: +86-551-2814722

Email: hfwsong@mail.hf.ah.cn

Website: www.hengzhengxl.com

Speakers honoured at IWMA's gala dinner at wire 2008

Since Düsseldorf 2006, the IWMA has organised and co-organised three technical events involving more than forty speakers.

Every two years, at its gala dinner during wire, the IWMA's Technical Sub Committee (TSC), chaired by Don Tucker, awards the HW Bennett Trophy to what they consider to be the best paper presented at an IWMA conference in the preceding two years.

In a change from tradition, the TSC decided to introduce an additional trophy as well as to amend the name of the original trophy.

Accordingly, the IWMA now awards the original HW Bennett Trophy to the best non-ferrous paper and a magnificent new silver trophy to the best ferrous paper.

It proved a difficult task for Don Tucker and his team to select the winners for 2008.

The standard of papers presented at the Dubai Cable Symposium in March 2007, the Non-Ferrous Bangkok seminar in October and at Wire 07 Bologna in November was the highest ever in the opinion of the TSC but after due consideration and much debate the winners were:

HW Bennett Non-Ferrous Trophy

Fabio Bocchi & Marco Marelli, Prysmian Cables

"The construction of a submarine interconnection between Sardinia and the Italian mainland"

HW Bennett Ferrous Trophy

Andrew Bell & Chris O'Connor, Corus/Bridon International

"Development of ultra high-strength wire for offshore applications"

Don Tucker presented the awards at the IWMA gala dinner at Düsseldorf on 1 April 2008. Copies of these award winning papers, the other papers from the three 2008 events mentioned above as well as any paper from the IWMA's back catalogue can be purchased from the Secretariat's office.

Please visit www.iwma.org for details.

Ajex & Turner for in-house die polishing

Using tungsten carbide die working machines from Ajex & Turner Wire Dies, in-house die polishing is more economical than returning used dies to the manufacturer for re-polishing.

The latest machine from Ajex & Turner is available in a horizontal version, the TCD-11 (shown below), and a vertical type, the TCD-12. The machine is designed for working bearing positions and reduction angle in one setting.

The company also has machines for polycrystalline and diamond dies: an ultrasonic machine, plus single-head, twin-head and six-head die polishing machines.

Ajex makes extrusion tools and wire drawing dies in PCD, diamond and carbide as well as supplying a wide range of consumables.



Ajex & Turner Wire Dies Co – India

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Website: www.ajexturner.com

"Newest generation" lubricants for copper wire drawing

Zeller+Gmelin has developed a new lubricant series in the field of copper wire drawing, combining the well-known and proven mineral oil-based composition of the actual products with new synthetic fatty agents. The results are described as "high-performance wire drawing agents of the newest generation!"

The advantages of synthetic technology can be used without the possible disadvantages occasioned by pure synthetic lubricants lacquer, such as seal incompatibility.

The advantages of the new Zeller + Gmelin range include a constant high lubrication effect that allows full utilisation of the capacity of modern machines; wear of drawing dies and cones is reduced, so giving reliable performance for longer periods.

The long-life lubricants have a low-foam tendency when refilling and in long-term use while providing protection against micro-organisms, so reducing the consumption of bactericides and fungicides and reducing costs.

Zeller + Gmelin GmbH – Germany
Fax: +49 7161 802 476
Email: info@zeller-gmelin.de
Website: www.zeller-gmelin.de

New pulling-in dogs

Tecnosider has been operating for many years in the steel wire drawing industry and has now designed a new series of versatile and easy to use pulling-in dogs, TEK, for easier and better wire drawing.

As with existing Tecnosider pulling-in dogs, TEK is an extremely tough instrument, suited to the heavy-duty conditions under which pulling-in dogs used.

TEK is designed for working on both the left and the right hand side; both pincers open simultaneously and easily when the lever is operated and the clamps are both fitted with special guides. TEK pulling-in dogs come in 2 sizes: TEK 15 for 1.20 to 5.50mm wires, and TEK 28 for 2.70 to 8.00mm wires.

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Website: www.tktgroup.it

Madem Reels increasing production

Madem is amongst the largest wood cable reel producers in the world, with plants in Brazil, Spain and USA and a production capacity of 500 containers of 40 reels, every month.

Madem will open a new plant in Bahrain during 2008 and during 2009 other countries are under market study.

Madem has 1,000 employees in six locations around the world, including a renewable pine forest plantation and sawmill facilities.

In August 2008, Madem will begin to make plywood reels in Brazil in a new plant that represents a US\$ 5,000,000 investment and production capacity of 70 containers per month.



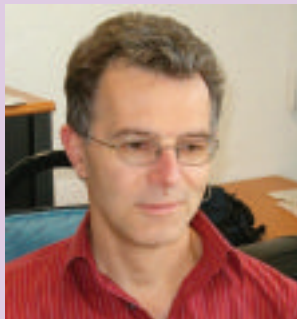
▲ Gene DeFrates & (right) Leandro Mazzocato in the Chattanooga plant

The new USA plant is located in Chattanooga, TN and began production in March this year. All Madem reels are HT (Heat Treated) according to ISPM 15.

Madem SA – Brazil
Fax: +55 54 462 5900
Email: leandro@madem.com.br
Website: www.madem.com.br

News from the IWMA Executive Board

The IWMA is delighted to report that two new members have been elected to the Executive Board, bringing a wealth of wire and cable industry experience to the table that should prove invaluable to the Association and its activities.



▲ New Executive Board member, Joerg Inhelder

Joerg Inhelder is the managing director of FMS Force Measuring Systems AG, Switzerland that was formed in 1993 following a management buy out. FMS produces tension and web guiding systems for wire and cable, fiber optics, cord and rope, narrow tapes and flat wire.

John Cunningham recently retired from major lubricants company Chemetall after many years service. He has been a well-known figure at IWMA functions over many years and will have useful insights as a "consumer" of the Association's various events.

As a non-profit making organisation the IWMA relies to a large extent on the voluntary work undertaken by members of the Executive Board. In 2010 the Association will be celebrating its 40th anniversary and over many years a number of Board members have made significant contributions to the success of the IWMA in making it the world's leading corporate membership organisation for the wire and cable industry.

In recognition of these contributions the IWMA has decided to award honorary life membership to the following board members and their organisations: Terry Robinson, XL Technologies Ltd, IWMA Treasurer and past Chairman; Don Tucker, TM Associates, Technical Sub Committee Chairman and past IWMA Chairman; Geoff Church, G Church Consultants, Executive Board and Technical Sub Committee member and Bob Dayson, ADS Engineering Ltd, Executive Board member.



▲ New Executive Board member, John Cunningham

Cost cutting cold welding can be automatic with PWM

British manufacturer PWM, which designs and manufactures high-performance cold welding equipment and dies for the world market, launched a new version of its best-selling HP100 air/hydraulic cold welder at wire Düsseldorf 2008.

The new HP100 auto model can be used in either normal or automatic mode.

In normal mode, the operator loads the material and then presses the foot pedal four to six times to activate the multiple upset process and complete the weld. In automatic mode, the operator simply loads the material, presses a button and the machine does the rest.

In either mode, the HP100 auto guarantees consistent high quality welds on non-ferrous materials within the range 1.00mm to 5.00mm (.039" to .197").

The powerful solid steel welding head is mounted on an ergonomically designed trolley with a sloping platform that gives the operator a clear view of the weld area.

Power consumption is minimal: the HP100 auto requires only a supply of compressed air and an electric power source.

Steve Mepsted, managing director of PWM, said: "The HP100 has been one of our best-selling models for the last five years. The machine is reliable, economical and simple to operate, and can be wheeled to the weld area, reducing downtime.

"In automatic mode, the machine provides wire and cable manufacturers with an effortless way of welding copper and aluminium wire and strip.

"Ideal for high cycle welding, the HP100 auto can be used to recycle short lengths of wire that might otherwise be discarded because they are too time consuming to weld, so helping manufacturers to reduce wastage and material costs."

Pressure Welding Machines – UK

Fax: +44 1233 820847

Email: pwm@btinternet.com

Website: www.pwmltd.co.uk



▲ The welding head of the new HP100 auto air/hydraulic cold welder from Pressure Welding Machines, launched at Dusseldorf's wire 2008

IWMA welcomes new members

The IWMA is pleased to welcome the following new members to the Association:

- Ajex & Turner Wire Dies Co
- Anhui Hengzheng Technology Co Ltd
- Atom Kablo Sanayi ve Ticaret AS
- ATS Sp z.o.o.
- Beijing Master Intl Trading Co
- Box Do Brasil
- E Braude (London) Ltd
- Caledonian Cables & Wire
- CeramTec AG
- Dodhia Techno Engineering Pvt Ltd
- Dongjiagang Mech & Electric Equip Co
- E-Xhead Technic GmbH
- ESM Elektro Sistem Muhendisligi AS
- Fox Wire Ltd
- Henkel KG aA
- Sanxin Wire Die Inc
- Scapa Cable Solutions
- Shanghai Nanyang Equip Factory
- Upcast Oy
- Wire & Cable Technology Intl
- Wire Forming Technology

www.ajexdiamond.com
www.hengzhengxl.com
www.atom.com.tr
www.atstorun.com.pl
www.china-ironwire.com
www.boxdobrasil.com.br
www.braude.co.uk

www.ceramtec.com
www.dodhia.com
www.ebp.cn
www.e-xhead.com
www.esm-as.com.tr
www.foxwire.co.uk
www.henkel.de
www.sanxinamerica.com
www.scapacable.com
www.shanghai-nanyang.com
www.upcast.com
www.wiretech.com
www.wireformingtech.com

If your company would like to join the world's largest corporate members organisation for the wire, cable and wire product industries, just visit www.iwma.org and click 'Join the IWMA' or contact the Executive Secretary at:

IWMA, 46 Holly Walk, Leamington Spa, Warwickshire CV32 4HY, UK
Tel: +44 1926 834680 • Fax: +44 1926 314755
Email: phillip@intras.co.uk • Website: www.iwma.org

New and used equipment shipped worldwide

GER SA Belgium specialises in the sale of new and second-hand machinery for wire and cable, tube and sheet works, for the ferrous and non-ferrous industry. Single machines are available or complete plants for steel rod and wire non-ferrous wire, steel ropes and electrical insulated cables can be supplied.

A large stock of machinery is immediately available, or GER will search on behalf of customers for the equipment they need.

Worldwide exports and selling the machinery in the a- is condition or, upon request, reconditioned and modernised make GER a strong partner for the industry. The sales department can also send an estimate for complete, ready-to-use production units.

Test-runs of the machines before shipment, installation and commissioning of the machine at the customer's plant and operator training complete the service for the customer.

GER SA - Belgium

Fax: +32 87 26 02 01

Email: ger@ger.be

Website: www.ger.be

Holton Crest awarded industry's largest single contract for continuous rotary extrusion equipment

Holton Crest, a manufacturer and supplier of continuous rotary extrusion equipment, has secured a multi-million pound contract – believed to be the industry's largest single contract - for rotary extrusion technology.

The European order for the company's 'next generation' machines will allow the user to increase productivity and process efficiency at the extreme ends of the product range.

"This order is a key milestone for the company," says Malcolm Ladd, managing director of Holton Crest.

"It confirms our reputation for delivering the highest performance equipment and providing the best service to our customers. We work closely with customers to build bespoke systems to suit their needs."

Holton Crest's machines enable efficient extrusion of aluminium and copper for use in many applications including electrical and automotive industries.



▲ Holton Crest's C500H continuous rotary extruder

The versatile units are designed to accept a variety of feedstock including rod feed, cast bar feed and granule feed.

The machines provide high precision and high productivity under the most extreme extrusion pressures enabling OEMs to manufacture highly complex solid and hollow profiles in a cost effective manner.

With over 60 years' experience in Holton extrusion equipment the company is now producing the next generation of high-performance continuous rotary extrusion technology to the global market place.

In 2006 Holton Crest purchased the Outokumpu Holton Ltd business and is the only authorised supplier of Outokumpu Holton equipment (such as the Outokumpu Holton Conform™ continuous rotary extrusion system).

Recently, Holton Crest has invested heavily in the latest technology to maximise the use of efficient business systems,

project management tools, advanced 3D design and mathematical simulation techniques. The new technology will support existing technology, allowing the company to move forward in the modern production environment.

Holton Crest – UK

Email: info@holtoncrest.com

Website: www.holtoncrest.co.uk

Brass EDM wire rod plant heads for Taiwan

Continuous casting technology specialist, Rautomead Ltd, of Dundee, Scotland, has recently completed the commissioning of a brass EDM wire rod casting plant for JIA BAO Company, Taiwan.

The new plant comprises a Rautomead RS 2500 upwards-vertical casting machine producing eight strands of 8mm diameter brass rod, formed into coils. Output is a nominal 6,000 tonnes per year. In this Rautomead process, grade A quality copper cathode and high quality zinc ingot are melted in an Induga GmbH channel type induction melting furnace, where alloy composition is checked before pouring to the casting machine.

After casting, 8mm diameter wire rod is drawn and annealed to make the final wire at 0.1mm to 0.2mm, according to customer requirement.

Rautomead has always specialised in technology that achieves near-net-shape in the continuous casting process, thereby eliminating some of the intermediate process steps associated with traditional manufacturing routes and so reducing manufacturing costs.

In the case of brass EDM wire, it is customary to cast the brass rod at 16-20mm diameter, then produce the initial size by rolling or drawing to 8mm. This new Rautomead technology removes the need for these initial reductions. In addition, the benefit of casting at 8mm in brass production is enhanced by the relatively poor cold working properties of 60:40 and 65:35 brass, thus also eliminating at least some inter-stage annealing and resulting costs.



▲ Continuous casting plant from Rautomead of Scotland

Rautomead – UK

Email: sales@rautomead.com

Fax: + 44 1382 622941

Website: www.rautomead.com

A product range with InteliSENS

Proton Products International is rapidly expanding its product range and global presence.

The InteliSENS (Intelligent Sensor) range of diameter, capacitance, non-contact speed and length measurement gauges can be found in cable making facilities around the world.

Using DSP and FPGA technologies and connectivity such as Ethernet IP, Profibus and DeviceNet, the InteliSENS range of gauges represent latest technology, performance, reliability and value for money.

Proton's Pro Thermic Induction Pre Heaters provide an extremely stable temperature at low speed, high speed and during ramp up and ramp down processes.

Highly versatile and super efficient energy consumption, the Pro Thermic pre heaters are used on automotive, telecom, datacom, electronic and specialised cable production lines as well as electric cable insulation lines.

NEXIS range of display and control systems have clear bright displays, Auto Tune PI control loops, programable alarm functions, analogue outputs, RS232 and USB connections.

Proton employs cable industry experienced personnel in Europe, America and Asia for excellent customer support.

Proton Products International – UK

Fax: +44 1494 670808

Email: p.sives@protonproducts.com

Website: www.protonproducts.com



▲ InteliSENS (Intelligent Sensor) measurement gauge from Proton Products can be found in cable making facilities around the world

Members – why not take advantage of the The Walter Niehoff Scholarship Scheme?

The IWMA funds an Educational Trust Scheme that can now provide a financial award, every two years, of up to \$24,000 to be paid to an institute, training organisation, university, college or similar establishment for the benefit of an individual trainee, student or apprentice engaged in the study, research or training activities related to the wire, cable or wire product industries.



▲ Rebecca Slater receiving her award from Don Tucker

Awards can also be made to industry institutions or establishments that offer training in the wire and cable sector.

We are now in a position to make a further award of a Walter Niehoff Scholarship under this scheme, which will be granted during 2008 and take this occasion to invite applications which, when received with supporting documentation before 8 September 2008, will be judged by the Educational Trust Fund Council.

Applicants may be employed by a company or be students, apprentices, individuals at colleges, institutions, universities or other places of research and learning who are introduced by an IWMA member and are committed to the study and future employment in the field of engineering applicable to the wire, cable or wire product industries.

We hope you will take the earliest opportunity to recommend a suitable applicant and that we will receive your application as soon as possible. Applications from educational and training establishments can also be considered as described above. Previous individual award winners are not eligible to apply.

The approved applicant or establishment will receive the payment of the award during 2008/2009 to support an educational period over one or two years according to study fees and limitations of the award.

Our most recent IWMA Educational Trust Scholar for 2006/2007, Scott Kazur, who was sponsored by Relex in the USA, said: *"In the time I have attended Rensselaer Polytechnic Institute I have learned a monumental amount of material that I feel will result in significant advancements in the wire industry. I sincerely thank the Association for future avenues and opportunities that will be presented to me as a result of this award. The generous contributions of the IWMA will prove to be incredibly beneficial."*

Previous recipients of IWMA Trust grants include Rebecca Slater (who went on to win a speaker's award at an IWMA conference, pictured), the Institute of Spring Technology (IST) and the Metals Industry Competitive Enterprise (MICE). Both the IST and MICE were able to organise training seminars with funds provided by the IWMA Trust.

For full information including eligibility criteria, conditions of application, or to download an application form, look on the IWMA website www.iwma.org or contact the Secretariat by email: info@iwma.org.

Fine wire drawing

Shanghai Lizhi Machinery Co Ltd is a specialist designer and manufacturer of micro fine lace drawing machines and annealing equipment. The finished product has a diameter range of 0.20 to 0.010mm.

Most of Shanghai Lizhi Machinery equipment is sold for export.

Shanghai Lizhi Machinery Co Ltd - China

Fax: +86 21 5284 4396

Email: sheldon12150@yahoo.com.cn

Website: www.sh-lizhi.com

Materials supply

Hoang Hung Long is a buyer and supplier of all stainless steel wires, high and low carbon wires and wire products.

The company also deals in rods for Mig and Tig welding of all steel and stainless steel, as well as long and round steel material and products.

Contact Hoang Hung Long for seconds, surplus and stock lot enquiries.

Hoang Hung Long Co Ltd - Vietnam

Fax: + 84 8 931 3331

Email: hkh@hcm.vnn.vn

Machinery agent in China

As a leading trading company in the wire and cable industry, China Southern has been working as an exclusive agent in China for wire and cable machinery and instrument manufacturers for over ten years.

Now China Southern is the exclusive representative in China of Rosendahl Austria, Medek+Schoerner Austria, Jennings USA, DCM USA, PWM UK and Lukas Germany, supported by a strong team for aftersales service.

With the development of Chinese-made machinery, the standards of process technology, line control and quality of assembly are improving, making the performance and cost-efficiency of local made machinery highly competitive.

China Southern (Group) HK Ltd - Hong Kong

Fax: +85 2 2808 1730

Email: info@chinasouthern.com.hk

Website: www.chinasouthern.com.hk

IWMA's John C Hogg Travel Awards Ceremony

The biennial travel awards, funded by the IWMA's Educational Trust Fund and named after the Association's founder and secretary general John Hogg, were presented to the recipients in a ceremony held on the IWMA booth during wire Düsseldorf 2008.

Eight winners of the award, drawn from various parts of the world, received commemorative certificates from the President of the IWMA, Hans-Georg Queins and complimentary catalogues and gifts from Friedrich Kehrer of Messe Düsseldorf, project director of wire 2008.

Friedrich had also provided all recipients with free season tickets to the exhibition.

All winners were VIP guests at the IWMA's gala dinner held later that same day.

The IWMA Educational Trust Fund awarded grants to all winners to cover the costs of travel and hotel accommodation, giving a unique opportunity to trainees to attend the world's largest and most important exhibition for the wire and cable industry.



Pictured together with IWMA President Hans-Georg Queins, IWMA Chairman Stephen Wood and Friedrich Kehrer are the 2008 awardees:

Mr G. Cairns, William Hughes Ltd, UK
Ms S Prathima, Mikrotek Machines Ltd, India
Mr R. Robinson, Whitelegg Machines Ltd, UK
Mr Bu Jianchun, Leoni Wire (Changzhou) Co, China
Dr N. Abdelkarim, Midland Wire Cordage Co, UK
Ms S. Xu, ITO-Sin (Deyang) Wire & Cable Equipment Co, China
Mr S. Allen, Bridon International, UK
Ms C. Attanasio, B & B Compounds, Italy

In addition to these travel awards the IWMA Educational Trust Fund also awards scholarships to individuals and organisations for the training and development of the next generation of wire and cable professionals.

For more information about the John C Hogg Travel Awards, contact:

Executive Secretary, IWMA

Tel: +44 1926 834680 • Fax: +44 1926 314755

Email: info@iwma.org • Website: www.iwma.org

Galvanizing line order for QED

QED has confirmed an agreement with Energy Industries (subsidiary of El-Sewedy) of Egypt to supply two complete galvanizing lines.

Offering the latest process technology, these lines include; FastHeat™ fluidbed furnaces, High Turbulence® pickling systems, immersion burner galvanizers and advanced vertical wiping systems.

The past year has been very successful for QED, having gained market share in some important new areas.

QED entered the Chinese market with two contracts for galvanizing equipment; HeShan Hangkei and Shanxi Pioneer, and in South East Asia has recently

commissioned a galvanizing and Galfan® line for Inno Steel.

In Kiswire, Korea an oil tempering line has recently been installed including a Muffle Tube austenitizing furnace, with the QED patented combustion system, a custom-built oil quench tank and a FastHeat™ Fluidbed tempering furnace.

This line produces valve spring quality wire using a lead free process and turbulent oil quenching.

QED's individual wire wiping system is the latest in wire wiping technology.

The single wire modular concept permits a mixed production of commercial and

heavy coatings to be run simultaneously. Vertical Pad modules and N2 wiping modules are quickly interchanged on a per wire basis for maximum production flexibility.

Operating a field of as many as 50 wires or more can be easily managed from the ergonomically positioned wiping modules.

QED Wire Lines Inc- Canada

Fax: +1 450 458 0200

Email: sales@qedwire.com

Website: www.qedwire.com

Steel mesh welding

Jianke is a specialist manufacturer of GWC steel mesh welding lines and merchandise, reinforcing bars, processing and logistic equipment.

The experienced design and technical team at Jianke will work with clients to develop new automatic reinforcing steel processing equipment that meets the real needs of the user.



▲ Example of Jianke's equipment

GWC steel mesh welding equipment manufactured by Jianke are mainly for the building, fencing and agricultural industries.

The main products are wire mesh welding machines, stirrup benders, wire cold rolling machinery, wire straightening and cutting machines, lattice girder production lines, rebar shear and bend lines.

All are certified according to the European CE certificate system, and have sold well in more than 30 countries.

Jianke has established a reputation for quality goods and considerate service.

Tianjin Jianke Mechanical Products Co Ltd - China

Fax: +8610-51658353

Email: mm@tj-jianke.com

Website: www.tj-jianke.com

Interwire 2009, Cleveland USA 27th – 30th April 2009

The IWMA will again be offering its full support to members at next year's Interwire with an information booth and a range of facilities. Organised by USA association the Wire Association International, Inc (WAI) it will take place in the same venue as the 2007 exhibition, the IX Center, Cleveland, close to John Hopkins International Airport.

The IWMA booth will be positioned on block 2414. According to the WAI, Interwire 2007 recorded a 14% increase in visitor numbers from the previous event and involved 507 exhibitors against 487 in 2005. The largest and longest running wire and cable event in the Americas will be joined once again by the International Fastener Exposition. As always Interwire 2009 will feature an extensive programme of technical seminars and workshops.



▲ A view of Interwire 2007

Word has reached the IWMA that after the 2009 it is likely that the 2011 edition will move back to Atlanta, the exhibition's former home for many years, with an intention thereafter to alternate the venue every two years between locations in the north and then the south of the United States.

Other venues believed to be under consideration include Indianapolis and Chicago.

Niehoff-News on the desk

The most recent issue of "Niehoff-News" is now available.

The newspaper, published by Maschinenfabrik Niehoff, contains a two-page illustrated article about the exhibits presented at the wire 2008 trade fair in Düsseldorf including the new opto-electronic traversing system, NBAT, for faultless strand take-up.

A further development is the application of the RI series induction annealers built by the joint venture company NBM for telephone wire manufacturing. It is also shown that these contactless annealers can give outstanding physical properties to wires from copper alloys.

In an interview Wolfgang Hentschel from the automotive cables manufacturer Auto-Kabel Managementgesellschaft talks about the application of aluminum conductors in car manufacturing, while in the company portrait the nkt cables group is presented.

Short news articles and summaries in Chinese and Russian are also part of the newspaper.

"NIEHOFF-News" can be obtained from Niehoff headquarters in Germany, any Niehoff subsidiary or service office, or from the Niehoff website.

Maschinenfabrik Niehoff GmbH & Co KG – Germany
Fax +49 9122 977-155
Email: info@niehoff.de
Website: www.niehoff.de

TBE's new multibend technology

T Butler Engineering's new development in multibend technology is available from 2mm to 10mm.

This is a unique development which can incorporate Multiform and Multibend technology, giving low cost tooling, fast set up times, super flexibility, and high production rates.

Also available is TBE's latest computer and software technology that has recently been significantly enhanced.

T Butler Engineering Ltd
– Southern Ireland
Fax:+353 51 643 721
Email: info@tbe.ie
Website: www.tbe.ie

Supplying the strength for OF cables

Roblon, a company with customers in over 100 countries and local representatives in more than 50, has been providing cable solutions to the industry for over 50 years.

Among the new products being showcased by Roblon at wire China 2008 is a flexible glass strength member for optical fibre cables. Launched earlier this year, Roblon Glass Flex Strand is extremely flexible, soft and wear-resistant, suitable for use in servers and stranding machines.

Other recent additions to the Roblon range include the Roblon HSLT combined high-speed, low-tension server.

The Roblon HSLT strands aramid and glass yarns around cable centres, and operates at speeds of up to 400 rpm.

Denmark-based Roblon develops and manufactures high-tech industrial fibres including glass and aramid strength members, standard and water-blocking binder yarns, tapes and ripcords.

It also develops and manufactures serving, binding, take-up and pay-off equipment. The servers can wind industrial yarns around a cable with high precision and



▲ Products and equipment from Roblon

precisely adjusted tension, and they are available in up to 24 positions.

A range of strength members, ripcords and binder yarns will be exhibited at the Roblon stand (stand no. W1D28) at Wire China, and the Roblon team will also be on hand to discuss Roblon cable machinery.

Roblon Industrial Fiber Division – Denmark
Fax: +45 9620 3399
Email: info@roblon.com
Website: www.roblon.com

IWMA support for wire & cable exhibitions worldwide

One of the growth areas that the wire and cable industry seems to be experiencing is in exhibitions in various parts of the world. There are so many events globally that industry organisations could spend most of their time participating at these!

The IWMA is very selective in the events that it supports and tries to guide its members in the right strategic choice for the most important mature or developing markets. It is a given that wire Düsseldorf is the largest and most important global exhibition for the industry, an event which is visited by the highest proportion of the world's wire and cable customers.

The IWMA has been unwavering in its support for Düsseldorf over many years.

Other exhibitions fully supported and attended by the IWMA are: Interwire 2009, the most important event for the North American market; wire China 2008, the most significant trade fair in the PRC; wire Southeast Asia 2009 in Bangkok; and wire Russia 2009, the key exhibition for the CIS and Russian speaking world.

In addition the IWMA exhibits at and offers support for Wire & Cable India 2008 and on shared booths at Metaltech 2009 in Brazil and Tekno/Tube Arabia 2009 in Dubai.

The IWMA is pleased to advise that if member organisations wish to participate at or simply visit these exhibitions it will be there with an information booth offering support services. No other wire and cable exhibitions are endorsed by the IWMA.

Sikora's first gauge with LED light source

Sikora has launched the newly developed LED 8025 XY, for the measurement of several cable types, including those with a transparent insulation layer.

The latest LED-diodes combined with high resolution CCD-lines create the foundations of the measuring device.

With the help of powerful software, the shadow width of the measuring object is calculated and the outer diameter precisely defined.

For the measurement of cables which have a transparent insulation layer, the LED 8025 XY provides optimum reliability.

The integration of state-of-the-art SMD technology ensures the gauge head is very small and can easily be installed into any production line.

The LED 8025 XY is designed for product diameters from 0.25 to 25 mm.

The gauge head is equipped with vertically arranged glass windows, which offer protection against dirt. Additionally, the LED 8025 XY is open at the bottom, which prevents both dirt and water contaminating the measuring area.

The device is equipped with an RS 485 serial interface and RS 232 diagnostic interface for direct connection of a line control system or Sikora's Remote 2000 or Ecocontrol 600, 1000 and 2000 control devices. Optional Ethernet RJ45, Profibus interface or analogue outputs are also available.



▲ Sikora's LED 8025 XY provides precise measuring values for transparent products

Sikora AG – Germany
Fax: +49 421 48900 90
Email: sales@sikora.net
Website: www.sikora.com

Forthcoming Mumbai Wire Exhibition Supported by the IWMA

Wire & Cable India 2006 held in November in Mumbai was a very successful event, supported by a number of important industry organisations and featured over 125 exhibitors of which 50% were international from 20 countries. The exhibition covered a total area of 6,000m² and attracted 4,000 trade visitors.

The Confederation of Indian Industry (CII) will hold the second edition of Wire & Cable India from 20 – 22 November 2008, once again in Mumbai. Supporting organisations for the events are: Steel Wire Manufacturers Association of India (SWMAI), Telecom Cable Manufacturers Association (TCMA) International Wire & Machinery Association (IWMA) and Electrical Cable Development Association (ECDA).

Wire & Cable India 2008 is exclusively for materials, machinery and accessories for the production of wires & cables, optical fibre cables, fasteners, springs, wire ropes and other wire products. It will also include a showcase of finished products, which will include wires, cables, fasteners, springs etc.

This event aims at providing an excellent platform to showcase the latest machinery, equipment, raw materials & accessories required by the Indian wire and cable manufacturing industry.

The IWMA is a major international sponsor of Wire & Cable India 2008 and will have an information booth with support facilities at the exhibition managed by executive board members John Stanaway and Peter Large as well as Ms Jeroo Vandrevala, who represents the IWMA in India.

For further details, please contact

Ms Romaldine Ayire, Executive,
Confederation of Indian Industry
105, Kakad Chambers,
132, Dr Annie Besant Road, Worli,
Mumbai 400 018, India
Tel: +91 22 2493 1790
Fax: +91 22 2494 5831
Email: romaldine.ayire@ciionline.org
Website: www.wirecableindia.com



Production and remaking of diamond dies

NOTA Zaklad Mechaniki Precyzyjnej is a private company, established in 1987.

The company maintains a high position in the market of producing and remaking extra-hard materials and specialises in the production and remaking of diamond wire drawing dies.

By using laser and ultrasound technologies, and understanding the customers needs, NOTA ensures the highest standard of products and services.

NOTA Zaklad Mechaniki Precyzyjnej offers the following:

- Diamond drawing dies of various geometry of which the working part is made of natural or synthetic mono and poly-crystal diamond
- Diamond grain, micropowder, and paste as well as cubic boron nitride powder, titanium carbide paste
- Laser finishing and remaking of diamond dies as well as sets for multiwire drawing machines.

NOTA Zaklad Mechaniki Precyzyjnej – Poland
Fax: +48 81 444 1125
Email: nota@nota.pl
Website: www.nota.pl

Your essential support for the global market



International Wire & Machinery Association Member Benefits ...

- ▶ **FREE** hospitality, office, interpreter and communication services at all major wire exhibitions
- ▶ **FREE** editorials in the Wire & Cable Newsletter (WCN) & on IWMA website
- ▶ **REDUCED** fees at IWMA conferences and special events – some are even totally free!
- ▶ **FREE** 12 month package on the Wirefirst.com directory website
- ▶ **FREE** information and advice on exhibitions and events worldwide
- ▶ **REGULAR** networking opportunities
- ▶ **ACCESS** to the IWMA Educational Trust Award Scheme, worth up to US\$24,000
- ▶ **DISCOUNTED** booth-fitting, often in prime positions, at IWMA supported shows
- ▶ **COMPETITIVE** hotel prices, special freight rates and local information service at shows
- ▶ **SPECIAL** reductions for the IWMA bulk email facility to extensive wire and cable database
- ▶ **DISCOUNTED** design service for graphics, brochures etc.

A world of difference for your business



The IWMA is the world's largest corporate membership association for the wire, cable and wire product industries and offers a unique range of benefits, services and events to promote new technology and growth within our industry. We provide valuable assistance to our member companies as they grow and develop their business within the international marketplace.

Almost 300 member companies in more than 50 countries worldwide have already discovered the world of difference IWMA membership can make to their business. The IWMA can help your company too – so why not join today?

Membership of the IWMA is by company and therefore all employees of the member company are entitled to the benefits of membership. The low annual corporate membership fee of just US\$280.00 could make a world of difference for your company.

The IWMA is a non-profit making association that uses all surplus funds to increase and improve benefits to its members.

Above is a list of key benefits that your company will enjoy as part of their membership of the IWMA. To join, simply complete and return the application form overleaf, or alternatively apply online at our website: www.iwma.org

**Just
US\$280
per year !**



INTERNATIONAL WIRE & MACHINERY ASSOCIATION

INTERNATIONALER DRAHT UND MASCHINEN VERBAND • ASSOCIATION INTERNATIONALE
DU FIL METALLIQUE ET DES MACHINES • ASSOCIAZIONE INTERNAZIONALE DEI FILO
METALLICO E MACCHINARIO • ASOCIACIÓN INTERNACIONAL DEL ALAMBRE Y MAQUINAS
МЕЖДУНАРОДНАЯ ПРОВОДО-МАШИННАЯ АССОЦИАЦИ • 国际线材机械协会



MEMBERSHIP APPLICATION FORM

We, the undersigned, wish to apply for membership of the above Association and, if elected, agree to pay the annual fee of US\$280, €245, £150.00 (+ VAT for UK companies).

Company/Firma/Nom de la Compagnie/Nome Ditta/Nombre de la Compañia/Компания/公司名称

Address/Anschrift/Adresse/Indirizzo/Dirección/Адрес/地址

Tel/N° телефона/电话 Fax/N° телефана/传真

Email/电子邮件 www

Name/Nom/Nome/Nombre/Ф.А.О./名字

Signature/Unterschrift/Firma/Полпись/签名

Date/Datum/Data/Fecha/Число/日期

Production/Produktion/Produzione/Producción/Производство/产品

TVA/VAT No

WCN 006

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INTERNATIONAL WIRE & MACHINERY ASSOCIATION

46 Holly Walk, Leamington Spa, Warwickshire CV32 4HY, United Kingdom

Tel: +44 1926 834680 • Fax: +44 1926 314755 • Email: info@iwma.org • Website: www.iwma.org

Why companies worldwide value IWMA membership . . .

"The IWMA is not only well connected in the wire industry, but they keep their members knowledgeable and conversant with what is happening behind the scenes" Carolyn Edwards, Reelex, USA

"One of my main reasons for membership is the assistance received from IWMA staff, be it via telephone, correspondence or at the various wire shows" Bill Crowle, QED Wire Lines Inc., Canada

"The IWMA is your global partner in the wire industry and is committed to its growth and development" MS Venkatragavan, Adler Wire Products, India

"It is useful to be a member as it allows you to get in contact with other companies and prospect business partners from the industry" A Sedlmaier, dataM Software, Germany

"We have been members of the IWMA for many years during which we have found them to be an extremely professional organisation offering help and assistance from exhibitions, to material supply, to meet the customer luncheons . . . the IWMA has a wonderful website and people within the organisation to offer sound commercial help; I have no hesitation in recommending any potential company considering joining a very worthwhile and talented organisation"

B McNamara, Copperweld Bimetallics UK Ltd

"For us, being a member of the IWMA means having at all times available an open forum of communication within the industry, adding so much value to our daily activity in these critical globalisation times"

Jaime Cabrera, Esteves, Spain

Multiple measuring technologies from Zumbach

Zumbach Electronics AG, Switzerland, manufactures a comprehensive range of non-contact, on-line measuring and control instruments for dimensional parameters.

These parameters include diameter, thickness, eccentricity, out-of-round and for physical or electrical parameters including expansion, capacitance and dielectric strength.

One or more parameters of a production line can be monitored simultaneously.

Ultrasonics UMAC® and Wallmaster systems for measuring wall thickness:

- Up to 8 measuring points
- Up to 15.000 measurements / s
- Novel concentric transducer adjustment allows product diameter set in a few seconds

Combined optical/magnetic (combined) for eccentricity/concentricity & diameter, with ODEX® gauges:

- Insensitive to wire vibration thanks to high speed scanning
- Extremely compact and fully static, no moving mechanisms
- Automatic inductor control allows for installation in tight areas

X-ray tomography for wall thickness, eccentricity, diameter/ovality with RAYEX® systems:

- High measuring rates, simultaneously in x and y-axis
- Unique protection system for beryllium windows
- Customized measuring tube segments

Laser devices for diameter/ovality with 1, 2 or 3 axis ODAC® gauges:

- Highest accuracy, repeatability up to 0.05 µm / .0000001 in.
- Ultra high scan rate, up to 2000 / s
- Worldwide, more than 60.000 gauges sold

Zumbach technologies offer a fast return on investment and an efficient solution to ensure the quality of the final wire and cable product of any size and form.

Zumbach Electronic AG – Switzerland

Fax: +41 32 356 0430

Email: sales@zumbach.ch

Website: www.zumbach.com



▲ Examples of each gauge group

Next IWMA joint technical conference to be in Istanbul

The next major biennial conference jointly organised by the WAI, ACIMAF and the IWMA will take place in Istanbul, Turkey with a provisional date of 2 November 2009. Since 2003 these three key wire and cable associations have successfully collaborated in organising high quality conferences in Stresa, Prague and Bologna.

In preliminary discussions with leading organisations in the Turkish industry there has been an enthusiastic welcome for the choice of Istanbul. Its geographical location, with a foot in both Europe and Asia and ease of travelling to and from makes Istanbul ideal to attract potential delegates from Europe, the CIS and former Soviet Union republics, the Arab States and the Middle East, India and Africa. It is expected that the conference will be conducted in Turkish and English and possibly Russian.

There are important and developing industries in the wire and cable sectors, which should result in a healthy local attendance, notwithstanding the anticipated high level of interest from other countries in the region.

The growth rate in the Turkish economy was approaching 10% last year and industry data indicates that exports by Turkish companies increased significantly in 2007. The market potential for prospective speakers and tabletop exhibitors will be excellent.

There are excellent prospects for local sponsorship and support, in particular from the enormous Ihlas Group with its extensive media resources, including the trade magazine BORU. Its daughter company Ihlas Fuar is the organiser of the BORU tube exhibition and has offered its full support for the wire conference. The International Tube Association is hoping to arrange a concurrent tube conference, similar to the joint events held in Prague in 2005.

Local costs in Istanbul are competitive with other major European cities and good quality hotel accommodation is certainly better value than in many other major cities. The city of Istanbul itself is an attractive venue to visit with ample opportunities for sightseeing tours.

Please visit the IWMA website www.iwma.org for the latest updates as plans for the Istanbul event develop.

Amended exhibition dates for Tekno/Tube Arabia 2009 just announced

Co-organisers Messe Dusseldorf have advised the ITA and IWMA on Thursday 5 June that the next Tekno/Tube Arabia exhibition in Dubai will now start one day earlier than previously announced and will run from 10 to 13 January 2009 inclusive.

The ITA and IWMA are again offering "Oasis" exhibitor packages in prime locations for the event as well as special hotel rates at the very conveniently situated Novotel Hotel on the Dubai World Trade Centre site (subject to availability). Please contact the ITA/IWMA Secretariat as soon as possible should you wish to take an Oasis package because early indications are that the exhibition will be very heavily booked.

Some support UKTI funding is available to qualifying UK exhibitors on a first come first served basis.

Efficient screening with SZ-technology

Based on the successful SZ-series, Rosendahl has developed a machine dedicated for screening processes.

The ROSZ 120 is equipped with belt-driven stranding discs for numerous screening elements, an offset torsion bar and a highly-dynamic frequency-controlled AC-motor.



▲ Rosendahl SZ Stander ROSZ 120

The machine is primarily used for screening of energy cables, and allows a high number of twists at a minimum overall length.

It enables continuous inline production at a sheathing process whereas it is possible to upgrade any existing line.

Technical features of the ROSZ120 machine include:

- Rotor speed - max. 500rpm
- Number of Screening wires – max: >52
- Diameters of Screening wires – max: 2mm
- Max. 5 twists in one direction

Rosendahl Maschinen GmbH – Austria
Nextrom Oy – Finland

Fax: +43 3113 5100 51

Website: www.rosendahlaustria.com

New product, new premises

Centran Industrial, an established manufacturer of water-blocking tape and yarn, steel and aluminum tape and polyester yarn for the cable industry, has developed CDZD, a single-side water blocking tape compatible with spraying technology.

CDZD is designed to be superior to the traditional laminated processing, with good swelling property, less weight, smooth surface without observable particles, and stable thickness. SAP powder is not lost during slitting and processing.

During 2008, Centan will invest \$1million in a new factory in Wuxi to provide an export base for its water-blocking tape and yarn ranges.

Chengdu Centran industrial Co Ltd – China

Fax: +86 28 8545 1463

Email: market@china-centran.com

Website: www.China-centran.com

New image for Esteves

During the wire show recently held in Dusseldorf, Germany the Esteves Group was proud to introduce their new corporate image, reflecting the consolidation of the worldwide die manufacturing group.

Esteves Group specialises in the production of high precision drawing dies, extrusion tools, and machinery for die reconditioning and refurbishing services and presented new software that allows customers to design the profile of a die and better understand the impact of die specifications on the possible future performance of the die. This new software is available through the new group web

site. In an addition, a new wire drawing handbook was introduced to the market during the wire show. The "Ewizard" contains information about materials to be drawn, the profile of wire dies, formulas, tables and other important information.

Esteves Group has invested heavily in its Shanghai manufacturing plant.

Shanghai was the fastest growing plant last year, and moved its operations to a new larger location in November 2007.

Esteves-PDT SA – Spain

Fax: +34 93 684 1080

Email: sales@esteves-pdt.com

Website: www.esteves-pdt.com

Line orders

Pourtier - Gauder Group has been granted an order for a project for ABB HV cables in Sweden. Cable manufacturers for over 120 years, ABB has a long tradition in the high voltage field, especially in underground XLPE and HVDC submarine cables. The contract is for one stranding line and one screening line to manufacture very large diameter power cables.

The 128 wires rigid cage stranding line is composed of 5 cages (12+18+24+30+36) and is specially designed for the production of round conductors with profiled wire, as well as pre-spiralled segmental conductors for high voltage and extra high voltage cables. This will be achieved using a recently developed "jumbo" pre-spiralling and compacting head with four pairs of 300mm-diameter rollers as well as a 4m-diameter double wheel capstan with 40 tons pulling force.

ABB will also use a Pourtier side automatic robot system, which can handle a complete rack without loading/unloading reels one by one.

The second part of this impressive project is a rigid cage screening line 84 wires made of two cages of 42 reels (six rows of seven reels). The line is equipped with two fully automatic loading trucks to load the 630mm in the carriage from their rack.

This project is considered a milestone for the Gauder Group, strengthening the position of Pourtier in rotating machines for HV cables. It is the result of a collaboration begun 15 years ago when ABB bought a first Pourtier Milliken drum twister line.

Pourtier - Gauder Group – France

Email: sales.pourtier@gaudergroup.com

Website: www.gaudergroup.com

Quality diamond dies from Teknodiam

Teknodiam produces diamond dies for drawing and shaping, wire extrusion nipples, special profile dies and component part of dies in natural or polycrystalline diamond.

Teknodiam works in co-operation with the TKT group of companies, gaining the benefit of their experience and capability in the field of lubrication and wire processing.

The current research program involves work on a new die-lubricant system designed to obtain maximum performance from modern drawing machines.

The company's policy of motivation and training of personnel and investment in new technologies allows it to achieve the highest level of quality.

Teknodiam Srl – Italy
Fax: +39 02545 5832
Email: tkt@tktgroup.it
Website: www.tktgroup.it

New plant contract in Istanbul

ESM AS has agreed a contract for a new aluminum rod and aluminum conductor production plant in Istanbul for Sahinler Metal San.ve Tic AS.

There is an increasing demand for aluminum conductors, parallel to the continuing increase in copper prices in the market.

The rapid increase in demand is leading the market to establish new plants to maintain the supply.

This latest plant is expected to be completed before the end of 2008.

ESM AS is the main contractor of the new plant on turnkey basis that includes project development, supply and installation of the equipment, commissioning and start-up.

Plant production capacity will be 24,000 tons per year of aluminium and alloy rod continuous casting and 18,000 tons per year of all aluminium and ACSR conductors.

ESM AS – Turkey
Fax: +90 212 222 4642
Email: esm@esm-as.com.tr
Website: www.esm-as.com.tr

Large contract for PS Costruzioni

PS Costruzioni Meccaniche Srl, is pleased to have been awarded a large contract with the well known Egyptian cables manufacturer El – Sewedy.

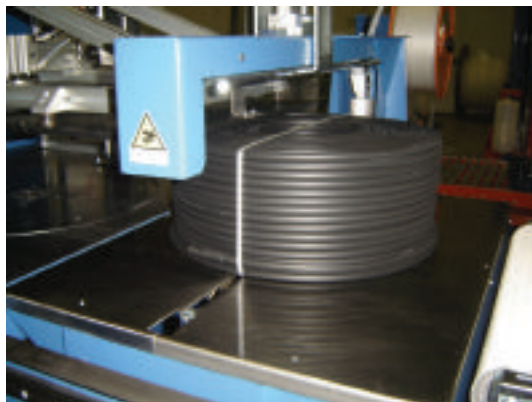
The contract consists of nine coiling machines, both semi-automatic and fully automatic coil winding systems.

The range of cables to be processed by PS machines includes cables of 1mm to 25mm diameter, while the final products can be standard or variable sizes.

Some PS machines are to be implemented at El-Sewedy Mother Company in Egypt, while others are destined to El-Sewedy several branches in Saudi Arabia, Qatar, Yemen and Ethiopia.

PS will also supply an automatic coiling machine, mod. PS 600/25. This line can produce three coils, 100 metre long, per minute. These coils can reach an OD up to 600mm and can have a maximum weight of 80 kilos.

El-Sewedy packs the coils with a diametral strapping system and thermo-shrinking film after which, a label is applied along the outer perimeter of the wrapped up



▲ Machinery from PS Costruzioni

coil, showing the company name and the cable data.

All these processes are made automatically. Using the PS lines, El-Sewedy will increase its cable production.

PS has succeeded in retailing to El-Sewedy and other customers by improving in several sectors, including after-sales service, now with technicians all over the world able to respond to queries in real-time.

PS Costruzioni Meccaniche Srl – Italy
Fax: + 39 039 6898769
Email: ps@pscostruzioni.com
Website: www.pscostruzioni.com

FREE editorial!

Increasing numbers of member companies are appreciating the value of this totally free benefit and are using the Wire & Cable Newsletter (WCN) to inform the world of wire and cable and to promote themselves to more than 10,000 readers and countless more via our website, where all members' editorials are also published.

As well as this worldwide mailing to more than 50 countries, WCN is distributed at all major industry trade fairs and IWMA technical events. The next important exhibitions are Wire & Cable India in Mumbai from 20th - 23rd November, 2008 and wire Russia 2009 in Moscow from 12th - 15th May. WCN will be circulated freely during these exhibitions.

- Do you have important messages to communicate?
- Do you want to attract interest from the important Indian and Russian markets?
- Are there personnel changes your customers should know about?
- Do you have a new development?
- Have big new contracts been won?
- Do you want to stay one step ahead of the competition?

Please email us your press release of around 250-300 words with supporting photos to info@iwma.org

If marketing and public relations is not your area of responsibility please make sure that the relevant department/person is aware of this information.

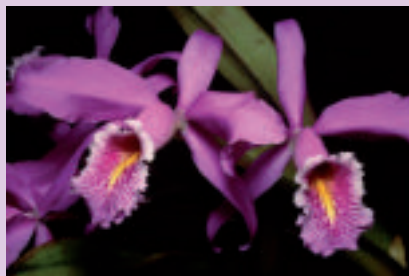
To make sure your editorial is submitted in time for the next edition, our deadline date for receiving material is 24th November.

WIRE SOUTHEAST ASIA 2009, BANGKOK Important News About Wire Southeast Asia 2009

The IWMA has secured blocks of space in prime locations close to the main entrances to the Bangkok exhibition, which will once again take place at the excellent BITEC facility.

At the last exhibition our "Sawaddee Ka" exhibitor packages proved very popular and we are offering the Orchid package for 2009.

Organisations interested in an Orchid package should contact us with confirmation of their preferred size and configuration of booth. Details of the package are as follows:



The IWMA Orchid Exhibitor Package for wire Southeast Asia, BITEC, Bangkok, 13-15 October 2009

12m² Package US\$5,300

- Fully Carpeted Booth
- Fascia Board with Name in Black
- Square Table with 3 Leather Chairs
- 1 Power Socket 5 Amp/220V Plus 3 Spotlights
- 1 Information Desk
- 1 Wastepaper Basket
- Thai/English Interpreter
- Daily Booth Cleaning
- Overnight Security for Items left on IWMA/ITA Booths
- Free Hospitality and Beverages on IWMA/ITA Booths
- Internet Service on IWMA/ITA Booth
- IWMA/ITA Booths with Additional Interpreter Service
- Help/Local Advice/Practical Experience from IWMA/ITA Office

Optional Extras

- Preferential Hotel Rates at Conveniently Situated Sheraton Grand Sukhumvit Hotel, Bangkok (Subject to Availability)
- Meet & Greet Service at Airport (Recommended)
- Larger booths: 18m² US\$7,780; 24m² US\$10,275; 32m² US\$13,600; 36m² US\$15,250
- Additional Fittings/Furniture

Management Charge £125/£175 Members/Non-Members plus VAT

If you want to book one of our Orchid packages please contact the IWMA as soon as possible - we have the hall plan and many spaces have already been selected!

Solvay speciality polymers for the wire and cable market

The wire and cable market has demanding requirements. Solvay Speciality Polymers supplies high performance materials to guarantee the standards required, thanks to its wide portfolio of fluoropolymer and technopolymer materials.

Fluoropolymers deliver more stable electrical performance, when exposed to thermal cycling and humidity, than traditional wire and cable polymers while technopolymers show good mechanical, thermal and flame retardant properties. The family of fluoromaterials, Hyflon®, Halar®, Solef® and Hylar® combines highest chemical resistance with extreme temperature performance, and high mechanical and flex strength. Solvay's long lists of patents also include new technologies from cross-linkable PVDF to a foaming and smoke suppressant packages.

In Telecommunications, two of the most important factors in cable design are electrical and signal performance. The dissipation factor, dielectric constant and dielectric strength of the polymer selected for insulation determines the cable's ability to transmit an electrical current or signal: Hyflon F series offers enhanced electrical performance over FEP as it is more crystalline, thus imparting a lower dissipation factor.

From the fire safety aspect, fluoropolymers offer the highest fire protection for fire codes in Europe, USA, and the developing codes in Asia. In high occupancy buildings (such as schools and hospitals) where a higher level of fire safety is desired, the Construction Product Directive B1 class is the best option. The B1 classification cannot be met without fluoropolymers.

The technopolymer portfolio offers Cogegum® GFR/325, a new reference for single and multicore H07ZZ and fire resistant cables, and Cogegum GFR/340, as well as Cogegum GFR/365, a new generation of cross-linkable LSOH compound for sheathing and insulation purposes and Polidienne® G/450, an extra flexible elastomer-based crosslinkable compound, "ambient curing" and environment-friendly for power, special and very flexible cable insulation and sheathing.

Solvay Padanaplast SpA – Italy

Fax: +39 0521 870 427

Email: info.padanaplast@solvay.com

Website: www.padanaplast.com

60 years of success and a full order book!

Eder Engineering, specialists in the field of high quality drawing die-tools, advanced die processing technologies and state-of-the-art working equipment for the production and reconditioning of ultra hard precision die-tools celebrated its 60th 'diamond celebration' anniversary in 2007.

Eder exports 99% of its production, making it a global player in the supply of reliable and long service-life high-tech products to the international wire and cable industry.

Eder offers easy to understand and operate standard, semi-automatic and fully automatic concepts, ready for operation. Single machines or complete

workshop lines are available for both the reconditioning and/or production of all kinds of ultrahard precision drawing die-tools, as well as technical assistance whenever required.

Eder Engineering welcomed over 280 international visitors to the stand during wire 2008 in Düsseldorf and is pleased to have received a significant number of orders.

In particular, the company has received orders for dies, die-tool processing machines, complete die reconditioning workshops and die-tool production lines.

Eder's order books are busy until far into late 2009.

Particular interest was shown in Eder's USP-TWIN (the first ultrasonic die-processing machine with two workstations to be handled by a single operator)

Visitors to the stand also showed significant interest in the new TCLD-CNC "C" and "B" conceptions for an automatic processing of tungsten carbide dies.

These new machines will also be shown at the forthcoming wire China 2008 exhibition in Shanghai.

Eder Engineering GmbH – Austria

Fax: +43 1367 49 4949

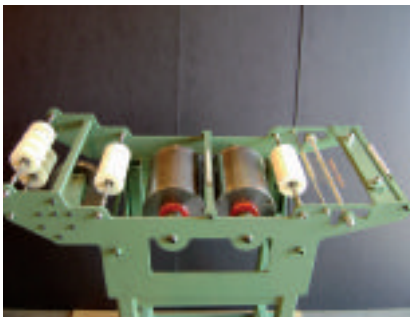
Email: office@eder-eng.com

Website: www.eder-eng.com

New tension capstan from Wyrepak

Already known for its range of belt wrapped tension capstans for individual strands of round or flat wire, Wyrepak has designed a larger tension capstan for multiple ends of round wire.

Unilay construction wire is normally of 7 or 19 wires; Wyrepak's new unit can accommodate either.



▲ Wyrepak's new tension capstan

Featuring two main capstans, the new unit ensures constant tension to each wire because each one is individually guided and wrapped around the same two capstans.

The centre wire needs a little more tension so it takes a partial wrap around a third capstan.

The unit is said to be simple to install, economical and easy to operate.

Wyrepak Industries Inc – USA

Fax: +1 860 632 5775

Email: sales@wyrepakind.com

Website: www.wyrepakind.com

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为您开拓全球市场提供必要支持

世界各地逾五十个国家将近三百家线缆企业已成为本协会会员，享受下列会员权益：

- ◆ 免费在IWMA网站 www.iwma.org 上发表公司稿件。
- ◆ 免费在彩色刊物《线缆通讯》(WCN)上发表稿件，此刊物向世界各地数以千计的线缆专业人士发行，全球读者也可在IWMA网站上阅读此刊物。这是一次绝佳的营销和推广机会，仅此一项，您支付的会员费就值了！
- ◆ 在杜塞尔多夫、中国、俄国和东南亚线缆展会上享受免费接待、办公、翻译和通信服务。
- ◆ 以会员优惠价参加IWMA举办的会议和特别活动，有些甚至完全免费。
- ◆ 获赠12个月推广套餐，免费载入 www.wirefirst.com 网站目录，价值每年425美元。
- ◆ 提供世界各地展会和重要活动的信息和通知。
- ◆ 在IWMA定期举办的活动中与业内人士交流并建立关系。
- ◆ 可申请IWMA教育奖励基金，获奖者最高可获24,000美元。
- ◆ 受训者可获旅行资助，参加世界最大和最重要的线缆行业展会——杜塞尔多夫国际线缆展会。
- ◆ 在IWMA赞助的展会上获得当地信息服务、优惠酒店房价和运费，并以折扣价搭建展台（一般位置优越）。
- ◆ 以优惠价利用IWMA庞大的线缆数据库和电子邮件群发功能，进行企业推广。
- ◆ 以折扣价设计图文、宣传手册等。

为何IWMA会员公司如此重视其会员资格

“我们加入了IWMA，发现它是一家极其专业的组织，可提供从布展、材料供应到安排客户午餐的各项协助... IWMA拥有出色的网站和人员，提供有力的商务协助；我乐于建议任何潜在公司考虑加入这样一家富有价值、充满人才的组织”

B McNamara, Commscope
BiMetals NC, 美国

“对于我们而言，在当今迈向全球化的关键时期，成为IWMA的会员意味着始终与业内人士保持开放式沟通，为我们的日常活动增加价值”

Jaime Cabrera, Esteves SA, 西班牙

“我加入协会的主要原因之一是，IWMA人员会通过电话、信件或在各种线缆展会上向我提供协助”

Bill Crowle, QED Wire Lines Inc, 加拿大

“IWMA不仅在线缆业内建立了广泛联系，而且使其成员了解熟悉幕后信息”

Carolyn Edwards, Reellex Inc, 美国

“IWMA是您在线缆行业的全球合作伙伴，致力于线缆行业的成长和发展”

MS Venkatragavan, Adler Wire Products, 印度

欲申请加入IWMA，请以英文填写第18页的申请表，并传真至 +44 1926 314755，或在 www.iwma.org 网站在线申请。

电话: +44 1926 834680
电子邮箱: info@iwma.org
传真: +44 1926 314755

国际线材机械协会(IWMA) 会员申请表

我们，以下签名者，希望加入以上协会，如果被批准，同意支付每年280美元会费。

公司名称:

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姓名:

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电子邮件:

国际线材机械协会 (IWMA)

46 Holly Walk, Leamington Spa, Warwickshire, CV32 4HY, UK

传真: +44 1926 314755