

Merging SZ with sheathing

Rosendahl has further developed its technologies to merge its system SZ technology (for stranding sector-shaped conductors) with a sheathing process, all in one line. The excellent result of the finished power cable can be observed on the take-up reel.

Using SZ technology, where no heavy mass is in rotation, the working principle is the same as in conventional helical stranding systems.

The payoffs and take-ups stands in the line are stationary reelers, needing no special foundation.

The non-rotating reeler also helps to improve the line efficiency due to a very fast and simple reel loading and unloading cycle.

As the reel does not have to be transferred between the stranding and the sheathing process, time and space saving is guaranteed.

There is also no limitation for the size of take-up so a longer product length can be held on larger take-up reels. The advantage of non-rotating machinery provides a safe working area for operators and reduces maintenance.

wire Düsseldorf stand: 9A74



▲ Rosendahl's SZ technology

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New decade, new look, renewed support for members

To mark the new decade and to coincide with its 40th anniversary year the IWMA has given WCN a fresh, new look, which we hope will appeal to our worldwide readership.

2010 promises to be an exciting one for the IWMA as we celebrate our anniversary around the globe with events in the UK (industry lunch), Germany (gala dinner at wire Düsseldorf) and China (drinks reception at wire China in Shanghai). In addition there is the publication of an anniversary book of the IWMA's history (see page 9).

However, 2010 will also be a very busy one for the association and for the industry with major exhibitions in

Düsseldorf, Shanghai and Mumbai at which all participants will be looking for further encouraging signs that the economic recovery is truly under way. The IWMA will be providing support services to members at all of these events.

The IWMA takes this opportunity to thank all members who renewed their membership in 2009 for their continued support and all new members who joined last year.

Your association is pleased that all were able to take advantage of the 'two years for the price of one' offer on membership fees that we extended as part of our anniversary celebrations.

CONTENTS

AEI Compounds Ltd	9
AIM Inc	7, 12
Ajex & Turner Wire Die & Co	14
AlphaGary Ltd	13
B&B Compounds Srl	10
Batoyle Freedom Group	14, 29
Beta LaserMike	5
E Braude Ltd	24
Bridon International Ltd	11
BWE Ltd	4
CeramTec AG	10
Clinton Instrument Company	27
Danross Engineering Ltd	2
Eder Engineering GmbH	4
Euroalpha Srl	19
Fort Wayne Wire Die Inc	22, 26
Gauder Group	19, 23
Goodwin Machinery Ltd	4
Holton Crest Ltd	22
IBA Industrial	27
InnoVites BV	22, 28
Institute of Spring Technology	5
Jiangyin Huafang Electromechanical Technology Co Ltd	19
Leggett & Platt Wire Group	14
Madem Reels	25, 30
Marlodon Group Ltd	20
Messe Düsseldorf Asia Pte Ltd	3
Maschinenfabrik Niehoff GmbH & Co KG	30
Niehoff Endex Inc	30
Nexus	13
Pave Automation	6
PWM Ltd	25
QED Wire Lines Inc	10
RG Attachments Ltd	27
Radyne IHWT	23
Rosendahl Maschinen GmbH	1
Scapa Cable Solutions	28
Rolf Schlicht	21
Sikora AG	26, 30
SKET Verseilmaschinenbau GmbH	20
Techna International Ltd	28
Tianjin Hengjiu Tongda Machinery Co Ltd	21
Joachim Uhing KG GmbH & Co. ..	18, 29
Weber & Scher Mfg Co Inc/ AFA Industries	24
Whitelegg Machines Ltd	2, 29
Zumbach Electronic AG	15, 31

Wire & Cable News

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Spring 2010
www.iwma.org

WCN

WIRE & CABLE INDUSTRIES
40
Years of Excellence

Another successful year

Whitelegg Machines has introduced a new version of the well-known CFM range. The CFM-1050-TWS is available in two versions, for a wire range 3mm–10mm or 4mm–12mm, and is equipped with a completely new design of bend head which not only gives an improved cut but also allows much easier conversion of the tooling from wire to strip, and vice-versa.

This new machine is fitted with three pairs of feed wheels (two pairs were previously employed).

Extra power allows much smaller bend radii to be developed. There is an option for a special cutter holder to allow much flatter small radius components to be produced.

This machine can be also tooled for strip up to 20mm wide. The first machine of this type was sold to a customer specialising in ornamental scrolls for garden products.

A similar machine will be shown at wire Düsseldorf 2010.

These machines are available both with and without the well-known TWS automatic butt-welding system.



▲ The CFM-1050-TWS from Whitelegg Machines

The company's belief that it would be unaffected by the recession, was proved to be correct. Although turnover was down for a two-month period, overall in the current year Whitelegg Machines will see an increase of about 15%.

The order book stands at its highest level since 1999 with the largest order for many years, worth €420,000, recently received from a client in the Middle East.

wire Düsseldorf stand: 11G28

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Spares and service support

Companies in the wire and cable industry with machinery supplied by Cable Machinery Spares (CMS) and Beaumont Machinery can now look to Danross Engineering for continued support of these brand names.

An extensive range of process equipment essential to the production of wire and cable was produced by CMS and Beaumont, including extrusion lines, spoolers, winders, caterpullers and wire winding take-up stands.

Danross Engineering recently purchased the contract records and designs of the two companies, which went into administration earlier this year. Danross now offer spares and service for the complete ranges of

CMS and Beaumont equipment as well as offering new and second hand machinery.

Managing director Chris Livesey commented: "Danross Engineering is tuned to the needs of the market, and focused on rapid response to spares and service. Our new website gives further details of the Danross product range."

Customers needing spares for Winget Syncro, B&F Carter and Hanson & Edwards machinery are supported by Goodwin Machinery of Bolton, where the contact is Keith Hardman. Danross Engineering looks forward to providing continued support to its valued customers.

Danross Engineering Ltd – UK
Email: info@danrossengineering.co.uk
Website: www.danrossengineering.co.uk

Trade show success in Thailand

Singapore-based Messe Düsseldorf Asia celebrated a highly successful wire and Tube Southeast ASIA 2009, arguably the region's most successful wire, cable, tube and pipe platform.

The trade fairs closed on an optimistic note, having attracted around 5,000 high calibre trade visitors and buyers from 57 countries and economies. Approximately 30% of the visitors came from outside Thailand.

ASEAN visitors, including Thailand, accounted for about 85% of the total visitor attendance, suggesting that ASEAN buyers increasingly view Thailand as a hub for trade and commerce and a gateway for distribution. A significant number of visitors came from China, India, Japan, South Korea and the Middle East.

The joint trade fairs attracted 305 exhibiting companies from 30 countries. Joachim Schaefer, managing director of Messe Düsseldorf GmbH, commented, "Despite the global economic downturn, many companies have not lost sight of their intent to penetrate the regional markets of Asia, in particular the southeast Asian region, which is perceived by many as the land of opportunities."

Gernot Ringling, managing director of the Singapore-based Messe Düsseldorf Asia said, "wire and Tube Southeast ASIA are regarded by the industry as southeast Asia's leading procurement ground for the latest manufacturing equipment and technology for the wire, cable, tube and pipe industries.

"Both the trade fairs have consistently addressed the rising demand by cutting edge manufacturers for effective and efficient solutions. We are pleased with the quality turnout."

Despite the challenging times, many exhibitors reported a high level of visitor interest in technological solutions, as well as brisk business from both local and overseas buyers.

wire and Tube Southeast ASIA will return to Bangkok in autumn 2011.

Messe Düsseldorf Asia Pte Ltd – Singapore

Fax: +65 65 6332 9655 / 6337 4633

Email: wire@mda.com.sg

Website: www.wire-southeastasia.com

Forthcoming IWMA Social Events

IWMA 40th Anniversary & Düsseldorf Dinner 2010

Tuesday 13 April 2010, Düsseldorf Congress Centre, Germany

IWMA Golf Day 2010

Wednesday 9 June 2010, Fairhaven Golf Club, Lytham St Annes, Lancs. UK

IWMA 40th Anniversary Drinks Reception

Thursday 23 September 2010, IWMA booth, wire China 2010, Shanghai

IWMA Dinner Dance 2010

Friday 26 November 2010, Royal Garden Hotel, London, UK

Please contact the IWMA office for further details,
Tel: +44 1926 834680 Fax: +44 1926 314755
Email: info@iwma.org
or visit the website www.iwma.org

2010 April

12-16 wire/Tube Düsseldorf 2010
Düsseldorf, Germany

Contact Messe Düsseldorf GmbH
Fax: +49 211 45 6087 7793
Email: wire@messe-duesseldorf.de
Website: www.wire.de

2010 May

12-13 WireExpo
Milwaukee, USA

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

2010 September

21-24 wire/Tube China 2010
Shanghai, PRC

Contact Messe Düsseldorf GmbH
Fax: +49 211 4560 7740
Email: wire@messe-duesseldorf.de
Website: www.wirechina.net

2010 November

18-20 Wire & Cable India 2010
Mumbai, India

Contact CII
Fax: +91 22 2493 9463
Email: info@ciionline.org
Website: www.ciionline.org

2011 January

8-11 Tekno / Tube Arabia
Dubai, UAE

Contact IWMA
Email: info@iwma.org
Website: www.iwma.org

2011 May

3-5 Interwire
Atlanta, Georgia, USA

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

tbc wire/Tube Russia 2011
Moscow, Russia

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Continuous extrusion of cable sheath

BWE's new SheathEx™ process is an extension of its well established Conform™ and Conklad™ continuous extrusion technologies.



▲ BWE's SheathEx production line accelerator, payoff, take-up and control system

The SheathEx machine extrudes a continuous and seamless aluminium tube from two 12mm diameter rods around a high voltage cable core.

BWE collaborated with high voltage power cable producers in China to develop the product and process specifications for this new technology. Three installations are in production and a fourth machine will be commissioned during the first half of 2010.

The SheathEx machine incorporates a large crosshead to accommodate the large diameter dies required for cable sheathing. The aluminium sheath is seamless, with no weld line or bead.

The twin groove mode of operation ensures the aluminium sheath is concentric. BWE's patented induction heating system provides a very even temperature distribution around the tooling, leading to very stable running conditions, and consistent properties in the aluminium tube.

The feedstock material is standard and readily available CCR aluminium rod.

The cable core passes continuously through the crosshead.

A cooled insertion tube protects the cable core on entry to the crosshead, and rapid quench of the aluminium tube immediately after the die prevents thermal damage to the core. Downstream from the SheathEx machine the cable sheath is corrugated in-line and coiled onto large drums.

The SheathEx process is described as a continuous, reliable and cost effective method of sheathing high voltage power cables.

wire Düsseldorf stand: 11F26

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News from Eder

Eder Engineering made three announcements to the industry at the end of 2009. Matthias Bruegger, active within the wire drawing industry in his region for many years, is to represent Eder-Austria in Colombia and Ecuador.

Matthias Bruegger already represents a range of companies, including Koch, Wafios and Schlatter.

Eder-Austria has received considerable orders for complete die-tool workshop equipment lines, from Azenco in Azerbaijan and from Gulf Cable Co of Jordan.

Smaller orders for single machines are also pending from Malaysia, Vietnam and Saudi Arabia, following the wire Southeast ASIA exhibition in Bangkok.

Last, but not least, Eder-Austria's new catalogues are available, covering Eder's full range of die-tool processing and repairing equipment, die-workshop ancillary devices and die-tools.

wire Düsseldorf stand: 10A40-02

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IWMA will publish supplement in Chinese in next WCN newsletter

The IWMA will publish a special WCN supplement in Chinese for distribution at wire China in September 2010 in addition to the normal English language version. If your company can provide a Chinese version of your editorial as well we will be pleased to include it in the Chinese supplement (subject to availability of space).

This free promotional opportunity is dependent on members' provision of the original text in Chinese as the IWMA cannot undertake translation work for the project, although all submissions will be proof read by a Chinese national familiar with the industry's technology.

Items will be included on a first come first served basis so members are invited to submit their items without delay. The deadline for receipt of editorials in English and Chinese is 22 May 2010.

New services on offer

Goodwin Machinery Ltd is proud to announce its continued commitment to the wire and cable industry with the purchase of the spares division of Cable Machinery Spares Ltd. Goodwin Machinery Ltd is able to supply all spare parts, drawings and full refurbishment and repair services for B&F Carter Ltd, Winget Syncro, Hanson & Edwards and Babcock Wire Equipment.

Goodwin Machinery has also taken on board the gearbox repair and refurbishment service from CMS. This will continue to be carried out using the same skills and commitment as before with the added experience of Goodwin's own staff. Goodwin Machinery will continue to supply used wire and cable machinery.

wire Düsseldorf stand: 9C34

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Non-contact eccentricity gauge

When the core of insulated wire and cable moves off-centre, product quality suffers and with the increasingly tighter tolerances demanded by cable users, unchecked wire or cable eccentricity can result in reels of unusable product.

This is why Beta LaserMike offers the CenterScan 2010 gauge.

This rugged, reliable system uses a driver coil set and detection system constructed of optical and magnetic sensors.

The driver induces alternating current into the conductor to produce a magnetic field along the wire.

The induced magnetic field is detected by highly sensitive coil sets strategically located around the wire to determine the precise location of the conductor.



▲ CenterScan 2010 from Beta LaserMike

The optical measurement system, based on AccuScan technology, precisely determines the location of insulated wire.

Location information and diameter measurement from the AccuScan are used to determine concentricity of insulation.

There are four sets of sensing coils. Each set containing two coils, placed around the product, the system can determine the orientation of conductor and centre of insulation to provide angle measurement.

Eccentricity and diameter measurements are transferred to either a Beta LaserMike provided controller, such as Datapro 5000, or a third party device for integrated process control.

CenterScan 2010 is said to offer:

- High accuracy, low drift measurements
- High-speed signal processing for accurate measurements on stranded products
- High measurement rate for enhanced process monitoring
- Optional ultra-bright integrated display and operator interface for ease of use
- Robust, compact design for reliable operation under harsh conditions
- Flexible communication for easy integration
- Integrated air purge for extended operation

wire Düsseldorf stand: 11H58

Beta LaserMike – USA

Fax: +1 937 233 7284

Email: sales@betalasermike.com

Website: www.betalasermike.com

New IST website

The Institute of Spring Technology (IST) has launched a new version of its website. Designed to be more attractive than its predecessor, and with clearer navigation, the new site provides full details of the services, equipment, testing and technical expertise available at IST. The new site has been developed in-house and incorporates extra information, improved graphics, moving pictures and significantly more downloadable content than ever before.

Additions to the site include:

- Expanded details of IST's range of spring testing equipment
- "Meet the staff" page
- History of IST
- Information on British and European funded IST research

IST members will also have access to their own 'Members Only' area, containing information and resources to enhance the service offered to them. Take a look at www.ist.org.uk, and see what IST can do for you.

wire Düsseldorf stand: 16A22

Institute of Spring Technology – UK

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Email: ist@ist.org.uk

Website: www.ist.org.uk

Association activity in last quarter of 2009

The IWMA was active in many regions of the world in a very hectic final quarter of 2009, sponsoring and exhibiting at Metaltech in São Paulo, Brazil and wire Southeast Asia in Bangkok.

Additionally the association, in conjunction with the WAI, ACIMAF and GET, co-organised its major biennial technical conference, Istanbul Cable & Wire 09 in Turkey (see report on page 7).

The Metaltech event, held in conjunction with the Tubotech exhibition, has certainly grown in importance since 2005, when the IWMA first became the main international sponsor. In 2009 the combined events recorded a 35% increase in exhibitor space with the international sector double the size of the 2007 show.

In a move supported by the IWMA, which has agreed to be the main international sponsor, a concurrent wire and cable exhibition, WicAB will run from 4th to 6th October 2011 with Tubotech. It made sense for the IWMA to switch its sponsorship from Metaltech, which featured wire drawing only as part of its metal forming sub-sections, to WicAB.

By comparison, wire Southeast Asia 2009 was a more modest affair in terms of the number of exhibitors and visitors. Cutbacks in company travel budgets had undoubtedly played a part. Notwithstanding this, in the IWMA's experience, the quality of visitors was actually higher than for the 2007 exhibition and a very satisfactory number of enquiries were secured.

On the eve of the exhibition the IWMA organised a one-day supporting seminar. Again attendances suffered as a result of travel restrictions, but anyone interested in obtaining a CD-ROM of the excellent technical papers presented at the Bangkok seminar should contact the Secretariat, or visit the IWMA website.

Cost effective wire forming equipment

British manufacturer Pave Automation Ltd will showcase three of its best-selling wire forming machines at wire 2010, on stand 12D17.

Pave's Zukron model produces extremely long surface length wire products, in both simple and complex three-dimensional shapes, quickly and cost effectively.

Equipped with a fast, versatile 360-degree continuously rotating head, the machine can process short and long length wire products up to 10mm (3/8") in diameter. To ensure the production of highly accurate twist- and mark-free finished wire products, the Zukron incorporates Pave's 'Trueline' front end wire stabiliser and patented straightening system. Set-up and changeover times are fast, and the Zukron's fully automated user-friendly CNC operation ensures economical production.



▲ Pave's Zukron, for long surface length wire products

Pave will also exhibit two compact wire-bending units: the Huron and the Axis V1. The Huron single head machine offers high output levels with reduced production costs on both short and long length products up to 12mm (1/2") diameter.

Quick and easy to set up, the Huron incorporates user-friendly touch screen programming, to minimise operator training, and Pave's front end wire stabiliser unit for twist-free finished wire products.

The Axis V1 incorporates Pave's latest engineering design, operating and forming control systems technology for accurate production of quality wire formed products.

Simple and cost effective to operate, the Axis V1 has a capacity of up to 6.35mm (1/4") diameter.

Pave's comprehensive range includes single and twin-head wire forming centres for a variety of applications.

All Pave's machines are designed and manufactured in-house to stringent quality standards at the company's modern production facility in England.

wire Düsseldorf stand: 12D17

Pave Automation Ltd – UK

Fax: +44 1733 563500

Email: pave@enterprise.net

Website: www.pave-wire.com

IWMA new members

• Ming Quan Composite Material Co Ltd	
• Hangzhou Dunli Stainless Steel Microwire Co Ltd	www.dunliwire.com
• Ozel Electrolytic Copper Co	www.ozelcopper.com
• Shanghai Yessjet Precise Machinery Co Ltd	www.yessjet.com
• GP CFF Econom-Servis	www.econom-servis.com.ua
• Henan Zhongwei Steelwire Products Co Ltd	www.zwsteelwire.com
• Tianjin Hengjiu Tongda Machinery Co Ltd	
• Wuxi Jiexiang Machinery Factory	www.wxjiexiang.com
• Hefei Smarter Import & Export Co Ltd	www.chinasmarter.com
• Danross Engineering Ltd	www.danrossengineering.co.uk
• Mahajan Engineering Works	www.mahajangroup.com
• SIMS Copper Sdn Bhd	www.simscopper.com
• Anbao (Qinhuangdao) Wire & Mesh Co Ltd	www.anbao.com
• U Gear Automatic Machinery Co Ltd	www.a1a1a.com
• ASMAG UK Ltd	www.asmaguk.com
• Worsley Logistics Ltd	
• Kiveton Park Steel	www.kpsteel.co.uk

The IWMA is pleased to welcome these companies as new members to the Association:

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 the address below:

IWMA, 46 Holly Walk,
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Tel: +44 1926 834680
Fax: +44 1926 314755
Email: info@iwma.org
Website: www.iwma.org

Istanbul Cable & Wire 09 technical conference attracts good audience

More than 160 wire and cable engineers and other industry professionals participated in the IWMA's biennial technical conference in Istanbul in early November last year. The event was co-organised with the WAI, ACIMAF and CET.

In addition to twenty-six technical papers covering ferrous and non-ferrous topics in tune with the conference theme, "New Technology for Global Markets", a highlight and very well-received feature was a keynote presentation on the metals industry. The thought provoking presentation by Dr Büchner of IKB Deutsche Industriebank, "Recovery of the world economy: consequences for capacities and prices of metals", was certainly a major topic of conversation during breaks and dinner.

A social highlight of the conference was the gala reception for participants in the 4th century Binbirdirek Cistern near the Blue Mosque in the historic centre of old Istanbul. After cocktails and a four-course dinner the attendees were entertained in traditional style by Turkish musicians and dancers.



▼ Speakers and delegates enjoyed Istanbul conference social event at the historic Binbirdirek Cistern

Many delegates enjoyed a factory tour to Vatan Kablo. The organisers are very appreciative for the excellent hospitality shown to the visitors by Vatan Kablo as well as the plant tour sponsorship provided by Upcast Oy.



▲ Conference delegates at Vatan Kablo factory

A major contributing element to the conference was the support of all the sponsors and in particular the joint main sponsors Sarkuysan and ER-Bakir.

All the joint organisers are indebted to these two companies and all other sponsors for their support.

Post-event comments from speakers and delegates were positive and the IWMA Technical Sub Committee and the other co-organisers are very grateful for a number of suggestions for refinements or additions to future conferences.

Already the organisers are considering a number of options for the location of the next biennial event in 2011.

The conference CD-ROM of the technical papers presented, as well as access to the Büchner presentation, is available from the Secretariat at US\$90 for non-members or US\$75 for members.

AIM's open house

Over 150 visitors from across the world attended the open house staged by AIM, in collaboration with IncRMG, ENTRON, Krueger Steel and Fanuc Robotics. The event was hosted at the AIM factory in Addison, Illinois on 16th and 17th November, to coincide with the Fabtech trade show.

AIM Inc and the co-sponsors rolled out their new developments with ten machines on display, covering the majority of wire bending and

manufacturing requirements. The new "Synchro" bender design was well received, and described as the most innovative machine with the least production limitations currently available.

Fanuc Robotics showcased new, low inertia robots along with vision inspection and in-line tracking where a robot picked parts from a moving conveyor. BF ENTRON demonstrated the new mid-frequency DC welding controls, welding parts produced by a 2D AIM wire bender. RMG showcased a new descender line, feeding a wire

drawing machine that in turn fed a 16mm 3-dimensional AIM CNC bender. Krueger Steel provided all the wire used for the open house. "The turnout was better than that of a trade show! We sold three new machines at the open house," said Constantine Grapsas, the company's founder and managing director.

wire Düsseldorf stand: 11A25

AIM Inc – USA

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Website: www.aimmachines.com

OBITUARIES

Laurence H Coley

It is with deep regret that we announce the death of Laurence H Coley at Sheringham, Norfolk on December 21st 2009 aged 97.

Laurence was born in Duffield, Derbyshire and first became interested in the wire and cable industry when he started his working life at Macintosh Cables in Derby. This company eventually closed down, but a new organisation, Derby Cables, opened and Laurence was employed by them for many years until he joined Permanoid Cables of Manchester as a sales representative.

In 1960 he joined Warbrick Engineering Specialties of Warrington, marketing wire and cable machinery. Laurence was eventually promoted to be managing director, a position he held until he retired from Warbrick in 1995 and started his own company, Elco. With this company he maintained his connection with the cable industry. Throughout the forty years of the IWMA's existence Laurence ensured that the companies with which he was involved were active members of the association.

In his personal life Laurence was a member of the Southgate Hockey Club and played with the various squads for many years. When his playing days were over he acted as an umpire until he reached the age of 70. At that time Southgate was the premier hockey club in the UK and Laurence was justly proud when he was elected president. He had lived in Sheringham in Norfolk for many years and during his time there was involved in many local activities, including assisting at the local Lifeboat Museum, and he joined a local choir. The choir performed around the district, particularly entertaining at old people's hostels, mainly at Christmas time. He was also very interested in golf, playing his last round at the Sheringham Golf Club at 96 years of age.

In his working and personal life Laurence became very well known and respected, not only in the UK but also in various countries within Europe.

Laurence Coley was a very strong family man and was married to his wife Mary for 70 years, subsequently receiving a congratulatory message from Her Majesty the Queen. He was a wonderful host, thoughtful of other people's feelings and requirements, and will be sorely missed.

Bob Dayson

The IWMA was very saddened to learn of the death of Executive Board member Bob Dayson in October 2009, following a short illness. Bob's company ADS Engineering is a long-standing member of the association and he served on the Board for many years. Apart from being one of the Board's ferrous experts Bob worked for the IWMA at several wire Düsseldorf exhibitions and had presented papers at technical conferences.

A memorial service for Bob Dayson, who was in his spare time a well known hill climber and motorsport engineer, took place in the paddock at Shelsley Walsh Hillclimb on Friday 6th November 2009 and was led by the retired Archdeacon of Dudley, the Venerable John Gathercole, the well known motor racing vicar. Eulogies were given by the President of the Midland Automobile Club, John Moody, and by renowned hill climb competitor Simon Durling.

The IWMA was represented at the memorial service by Executive Board members Paul Wright and Steve Rika. It is a mark of Bob's stature that the service was attended by several hundred people. The IWMA extends its deepest sympathies to his family for a man who will also be sadly missed by friends and industry colleagues.

Ahmet Nuri Erikoglu

It is with great sadness that we announce the death of Ahmet Nuri Erikoglu of Denizli, Turkey, aged 87.



▲ Ahmet Nuri Erikoglu, who has died aged 87

Ahmet Nuri started his career in 1937 as a coppersmith manufacturing domestic copper utensils by hand. He developed his business quickly and moved into the then new technology of machine moulding utensils.

In 1949 he opened the first electrolytic tank house in Turkey manufacturing high quality cathodes, initially for the manufacture of kitchen utensils, but soon after realised the huge potential in the copper wire business. Soon he was shipping copper wire from Denizli into the Istanbul market and – seeing it come back in electrical cables – went into cable manufacturing too. A copper man at heart though, his real vision was to create a fully integrated copper wire plant refining blister copper and producing high quality copper wires using state of the art equipment and the best possible staff.

This goal was realised in 1981 with the launch of Er-Bakir which in 1985 became a partnership with the Abalioglu family. The company has grown into one of the two largest copper wire producers in Turkey, employing some 450 people and is renowned not just for its size but also for its highly advanced environmental, quality and human resource policies. He also had extensive interests in wire enamelling, electrical component distribution, textiles and petroleum industries and was a founder member of the Denizli Chamber of Industry.

A true family man, he will be sadly missed by his wife, his four children, his partners, his many employees and many more in his home city, Denizli.

Investment in new facilities

AEI Compounds Ltd, a subsidiary of TT electronics plc and specialist producer of cross-linkable and thermoplastic polymer compounds, is to move its operations from its current base in Gravesend to Sandwich, Kent. The company will also be installing new production capacity for its range of environmentally friendly, low smoke, halogen free (LSFOH) cable compounds. The new line will be capable of producing up to 1,500kg per hour.



▲ AEI Compounds facility in Kent, UK

Mark Shaw, managing director, commented: "This investment in our business and technical capability is critical to our strategy of continuing to lead in the supply and development of high performance flame retardant solutions to the polymer industry."

"Our customers are based in all regions of the world and with competition increasing from low-cost developing economies we need to stay ahead by investing in the very best equipment and personnel."

"Despite the current challenging market conditions the business has continued to perform well with a

strong operating profit performance in the last financial year backed by revenue growth of 27 per cent and volume growth of 21 per cent." The new facility in Sandwich will allow the business to develop all of its current activities and will house the company's comprehensive R&D and technical centre.

wire Düsseldorf stand: 11D78

AEI Compounds Ltd – UK Fax: +44 1304 616170 Email: sales@aeicompounds.co.uk Website: www.aeicompounds.com

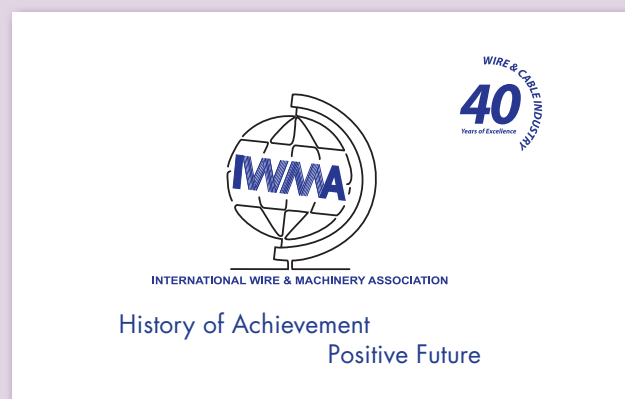
IWMA 40th anniversary commemorative book

The IWMA celebrates its 40th anniversary in 2010. A new IWMA publication will mark this important milestone in a history of achievement by tracing the Association's development from 1970 to 2010 to the global institution it has become today. The commemorative book, "History of Achievement, Positive Future", has been sent to every current member and to many important fellow organisations, partners and contacts in the industry.

The 68-page publication needed many man hours of research to compile and in addition to a narrative history of the IWMA includes an appendix listing key dates; founder members; a historical list of every past and present member company; officers and board members who have served the association; scholarship awardees; speakers awards and conference history.

Someone who has played a significant part in the IWMA's history and involvement with wire Düsseldorf is Manuel Mataré, a director of Messe Düsseldorf GmbH.

The IWMA was delighted that Manuel accepted an invitation to write a foreword for the 40th anniversary book and for his closing remarks: "I am convinced that the IWMA will still be going strong in another 40 years' time and would like to thank the Association for giving me the opportunity of playing a small part in its history. I wish the



IWMA all the very best for the future and good luck or, as our elders working in the heavy metals industry in the neighbouring Ruhr area say: 'Glück Auf!'"

History of Achievement, Positive Future will be widely distributed at wire and cable exhibitions in 2010 and translations prepared in Chinese and other languages. Any reader interested in receiving a hard copy of the book is invited to contact the Secretariat. The publication is only one element of the IWMA's anniversary celebrations. (See page 3).

New cones for Syncro F13

CeramTec is offering complete wire drawing cones or large rings with a 483mm diameter. Made from advanced ceramics the cones can be used for wire drawing on the Syncro F13 for significantly greater cost-effectiveness in wire manufacturing.

The increased process reliability, extended service life of the machine, and the enhanced quality of the finished wire product – thanks to a gentler finishing process – all make the advanced ceramic material, zirconium oxide, the material of choice. Refitting wire-drawing machines with the cones is simple.



▲ Ceramic wire drawing cones from CeramTec

In cooperation with customers, technical product managers can optimise the manufacturing process. CeramTec has a test centre for this purpose, which can be used to determine the friction coefficient of drawing tools and wire. It also offers the possibility of working variably with various parameters such as the addition of cooling lubricants, rotation of the tool shaft, wrap angle of the wire on the drawing tool, exchangeability ease of wires and drawing tools, as well as computer-aided analysis of test results.

This enables basic research to be carried out in areas of slip and friction. The test centre can also be used to investigate customer-specific problems.

CeramTec has established itself as a partner to the wire manufacturing industry; the German company's ceramic materials are standard in the production of copper and non-ferrous metal wires throughout the world.

Continuous, application-oriented development work and process enhancements in the production of advanced ceramic components deliver solutions for ever broader and more demanding ceramic applications. The large ring for wire drawing cones with its extremely reduced price is just another example of what results from the daily work of these technical ceramics experts.

wire Düsseldorf stand: 10F72

CeramTec AG – Germany
Fax: +49 7153 611 673
Website: www.ceramtec.com

Researching for REACH

B&B Compounds is carrying out research for the new family of flame retardant eco-compounds (FREC) to pass IEC standard 332.3 categories a, b & c.

The aim is to develop new eco-compounds with lower environmental impact, through the use of raw materials that have very low HCl emissions (less than 12%), together with lower smoke emission, expressed in terms of density (ASTM E 622).

The compounds are a step toward the G PVC compound brand, recognised by Italian Centro Informazione PVC and available only to selected companies producing PVC compounds without any hazardous substances classified as SVHC (substances of very high concern) by REACH (registration, evaluation, authorisation and restriction of chemical substances).

The wide range of these compounds means complete interchangeability with traditional lead compounds, including UL/CSA-VDE and CEI grades (TM3 – YM4 – TI3 – YI7 – YI8) even with a thickness below 0.2mm.

Today's market is demanding these compounds for low voltage cables, data transmission and bus cables, robotics, patch cords and welding cables, especially where oil and gasoline resistance and flame retardancy are required.

This result could be achieved, following new research and development resources from ICTP (Istituto Chimica e Tecnologia dei Polimeri) of Naples.

The latest developments are a wide range of thermoplastic elastomers PVC + TPU (VIPUR) and PVC + NBR (VIGUM); and 100% polyurethane polyether compounds (AITANE) together with co-polyester elastomers (BILL TREL).

B&B Compounds has recently confirmed an agreement with AlphaGary for the exclusive distribution in Italy of Megolon halogen-free, flame-retardant compounds, and with Esseti Plast for tailor-made master batches.

B&B Compounds Srl – Italy
Fax: +39 0823 584971
Email: info@bebcompounds.com
Website: www.bebcompounds.com

New additions

QED has added two new members to the team: Andrew Banham is a mechanical engineering technologist and has been a member of the Quebec Order of Professional Technologists since 1999.

Matthew Certosini, a recent graduate from McGill University, has joined as a junior mechanical engineer, and is an IWMA Educational Trust Travel Award winner.

wire Düsseldorf stand: 12A53

QED Wire Lines Inc – Canada
Fax: +1 460 458 0200
Email: sales@qedwire.com
Website: www.qedwire.com

New CEO to steer growth strategy

Bridon has announced the appointment of Jonathan Templeman to the role of CEO. Based at Bridon's headquarters in Doncaster, Jonathan's key role will be to develop a strong vision and strategy that will provide a development framework for Bridon over the next five years.

Jonathan will also be responsible for reinforcing Bridon's brand, whilst strengthening the company's position worldwide.

Talking about his appointment Jonathan said, "I am delighted at this opportunity to build on the strength and reputation of such a strong brand like Bridon. With a heavy presence in the oil and gas, mining, construction and structural markets, I look forward to expanding the business into new markets and new product areas across these industries, taking our customer service to the next level. Bridon has remained resilient during the recession and is now well placed to benefit from recovery in some of our end-user markets. As a result we plan to expand our sales force, especially for the emerging markets, and strengthen our technical and customer service teams to position the organisation in good stead for future growth."

Steve Brimble, managing director of Bridon said, "We are very pleased to welcome Jonathan into Bridon at an exciting time for the company. With plans to review our current product portfolio and develop a customer led technology roadmap, we believe Jonathan will add value and guide us in our market and product development efforts with his extensive global experience."



▲ New CEO, Jonathan Templeman

Bridon International Ltd – UK
Email: wiresales@bridon.com

Fax: +44 1302 565190
Website: www.bridon.com

NEXT ISSUE DEADLINE: 22nd May 2010

MEMBERS: PLEASE SEND US YOUR EDITORIALS FOR FREE PUBLICATION IN THE AUTUMN 2010 WCN NEWSLETTER, OR ON THE IWMA WEBSITE AT ANY TIME BETWEEN EDITIONS OF WCN

Increasing numbers of member companies are appreciating the value of WCN, and the IWMA website, to inform the world of wire and cable. Member companies can promote themselves to more than 10,000 hard copy readers and to countless more via the electronic (E-zine) version and the IWMA website, where all members' editorials are also published.

In addition to this worldwide mailing WCN is freely distributed at all major industry trade fairs and IWMA technical events.

The next important upcoming exhibitions are wire China 2010 in September and Wire & Cable India in November. WCN will be circulated during these exhibitions, a valuable additional and totally free marketing tool for members!

The IWMA will also be producing a special WCN supplement in Chinese for distribution at wire China in September.

If your company can provide a Chinese version of your editorial we will be pleased to include it (subject to availability of space).

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

Please send us your editorials (not advertisements) 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.

Thank you!

DEADLINE DATE IS 22nd May 2010 TO CATCH THE AUTUMN EDITION IN TIME FOR WIRE CHINA 2010 AND WIRE & CABLE INDIA 2010

Cross wire welding

A new T-Welder, or cross wire welder, system module has been successfully installed and tested at a customer's site for the past six months, producing cross welded frames used for filter, refrigerator, shelving, store fixture, display, oven or grill frames, to name a few.

The T-Welder from AIM Inc complements the standard AFM 2Dx machines with a butt-welder and a servo transfer. The AFM 2Dx machine automatically produces wire frames, which get butt-welded and then transferred into the frame hopper of the T-Welder system. A separate wire feeding module straightens, feeds and cuts individual wire pieces for automatic cross welding into the frames, positioned automatically by a frame carriage.

All dimensions are programmable. A multi-axis/multi-tasking servo controller, allowing the system to produce up to 700 T-welded frames per hour, controls production. Three phase DC mid-frequency welding controls provide efficient electric load and welding accuracy.

The T-Welding System is available as a stand-alone or as an addition to a welded frame production machine for a total self-controlling, automated, cross-wire welded frames production cell.



▲ The new cross wire welder from AIM

Two models are available, covering up to 1m x 1.9m (39"x 48") frames using wire of up to 10mm diameter.

wire Düsseldorf stand: 11A25

AIM Inc – USA Fax: +1 630 458 0730

Email: info@aimmachines.com

Website: www.aimmachines.com

Interest in wire Düsseldorf 2010 remains very high despite global economic situation



Since the first edition in 1986 the wire Düsseldorf exhibition has established itself as the world's pre-eminent trade fair for the wire and cable industry. By 2008 exhibition space had risen to 53,584m², with more than 1,000 exhibitors. The 2010 exhibition is occupying its traditional halls 9-12 and 16-17 and the Metav event is not being held concurrently with wire on this occasion.

At the time of writing the provisional 2010 space totalled 51,000m², with still more than 1,000 exhibitors, very commendable given the global economic crisis. There are increases in space taken by companies from China, India, Taiwan and Turkey. It seems that nothing can dissuade organisations from participating at THE exhibition for the industry. Indeed there is a widely held view that the 2010 event is timed perfectly to coincide with the forecast recovery of many economies from the global recession. There is a feeling that there are buyers out there now ready to invest again, albeit tentatively.

For many visitors to wire 2010 the agenda will have changed slightly from previous exhibitions. Of course they will be looking for the most efficient, cost effective and best quality processes and products to enable their own businesses to succeed in an even more highly competitive market.

However, increasingly there are other considerations for buyers: energy efficiency, carbon emissions and

environmental considerations and the best companies in the industry will have attractive solutions to offer.

The IWMA has been the long-standing industry partner for wire and will be providing an extensive range of services for all its members, whether exhibiting or visiting the event. Located in its traditional position in Hall 11, the IWMA booth 11D-26 will offer a comprehensive office service with Internet, phone, fax and photocopier as well as a free bookable meeting room. On duty will be skilled multilingual staff to assist with interpreting and there will be a bar and kitchen service providing hospitality to all visitors.

IWMA members attending the exhibition should note the time and date of the association's special 40th anniversary dinner at the Congress Centre, near the south entrance to the messe on Tuesday 13th April at 18:30 hours. Up to two representatives per member company may attend the dinner free of charge, provided that they have pre-booked a ticket. Additional tickets can be purchased. A number of important individuals who have played a significant part in the history of the IWMA will be honoured guests at the dinner.

On the IWMA booth on Wednesday 14th April at 14:30 hours there will be a presentation ceremony for recipients of the IWMA Educational Trust's John C Hogg Travel Awards.

Representative office established in Moscow

Nexus-Europe GmbH is now representing the International Wire & Machinery Association in Russia through its Moscow branch, OOO Nexus. The company has for years been offering a full range of services created to open the doors of Russia to foreign business.

In addition, Nexus recently launched its Nexus International Association (NIA), a very exclusive membership of significant companies from many fields. NIA members benefit from Nexus expertise as well as Nexus private government and business contacts. "The people that make the impossible become possible," says Dr Mamkina, founder and CEO of Nexus.

To mark the IWMA's 40th anniversary and the formation of the Nexus International Association, a special opportunity exists for wire and cable companies wishing to expand into the fast growing Russian market. Companies meeting NIA membership standards will receive a two-year NIA membership and, as a bonus, will receive two years' IWMA membership at no additional charge (both memberships for only the €395).

For details about special joint membership please contact the Nexus office in Germany. Companies in Russia interested in joining the IWMA are invited to contact the OOO Nexus office in Moscow.

Nexus-Europe GmbH – Germany
Phone: +49 30 343 30 519 (English, German, Russian)
Email: info@nexus-gmbh.biz
Website: www.nexus-gmbh.biz

OOO Nexus – Moscow, Russia
(Open Monday to Thursday 11:00-15:00 hours)
Phone: +7 495 727 74 03
Fax: +7 812 601 3315

Safer compounds at wire 2010

AlphaGary will be present at wire 2010, and will feature the Megolon® range of halogen free low smoke fire retardant compounds, alongside the Smokeguard® range of LSFR PVC and fluoropolymer compounds, for high performance cables.

In the Megolon range, Megolon HF 8037 DD and Megolon HF 8053 DD will be featured. These highly flexible thermoplastic compounds have very low flexural modulus combined with excellent oil resistance and temperature performance characteristics, making them suitable for a number of applications where they can replace more traditional rubber compounds.

AlphaGary will also present silane cross-linkable products along with thermoplastic cable sheathing materials designed for harsh environments.

Of particular interest in the Smokeguard™ range are the new Smokeguard HP fluoropolymer compounds for very demanding cable applications in which low smoke, low corrosivity, low flame propagation, -40°C to +150°C temperature range and excellent chemical resistances are required. Unlike conventional fluoropolymer resins, the low corrosivity of these materials does not require special alloys for process tooling and extrusion equipment. They also exhibit relatively low dripping characteristics when exposed to flame. The Smokeguard range may also be of interest to cable engineers looking to meet the high-end fire performance requirements of the European Construction Products Directive (CPD).

The AlphaGary commercial and technical teams will be on hand to discuss other wire and cable compounds including TPE, TPU and PVC compounds.

wire Düsseldorf stand: 11G22

AlphaGary Ltd – USA
Fax: +1 978 537 8385
Email: enquiries@alphagary.com
Website: www.alphagary.com

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Batoyle appoints development chemist

Batoyle Freedom Group has recently appointed Caroline Slinn (MChem) as a development chemist for the specialist lubricant divisions, responsible for developing and expanding current product ranges.

Caroline Slinn, the winner of the 2008 UK Lubricants Association's (UKLA) 'Young Employee of the Year' award, has spent over six years in the industrial sector working on lubricant formulation and development.

Caroline's appointment strengthens Batoyle's existing product development resources. She will be responsible for new product developments and expanding the company's ranges of lubricants for most manufacturing and industrial processes including wire and tube drawing, engineering, glass and textiles.

Keith Glossop, technical director at Batoyle said, "Our dedicated team of in-house chemists allows us to stay abreast of new lubricant technology and ensures that we can offer our customers specialised solutions to enhance their production processes and efficiency. We are delighted to welcome Caroline to our product development team."

Batoyle Freedom Group – UK
Fax: +44 1484 460078
Email: bfginformation@aol.com
Website: www.batoyle.co.uk



▲ Caroline Slinn, new development chemist for Batoyle

Dies and die shop machinery

At wire Düsseldorf, Ajex & Turner will be displaying a wide variety of wire dies, together with in-house die repairing and reconditioning machinery for TC, PCD and ND dies.

The company provides PCD and ND dies in sizes ranging from 10 micron to 34mm. Tungsten carbide dies are made from 0.1mm to 150mm.

All dies are checked with Conoptica die checking equipment and can provide the geometry of each die.

Apart from dies and machines Ajex & Turner also manufactures other tooling, such as diamond needle files, diamond angular pins, die checking pins, diamond/paste, ceramic pulleys and tools.

The company also represents Metalube for wire drawing lubricant for copper and aluminium wire, TKT for lubricant for steel wire and carbide pressure dies, Korea's SMEM for testing and measuring equipment, Sealeze for wire descaling brushes, Eurotek for self centring cross heads, and Power Handling for material handling solutions.

wire Düsseldorf stand: 11F02

Ajex & Turner Wire Die Co – India
Fax: +91 11 23940226
Email: sales@ajexturner.com
Website: www.ajexturner.com

L&P on show

Leggett & Platt Wire group will be exhibiting in hall 9 at wire Düsseldorf, booth F21-02. Senior executives of the group will be in attendance.

Leggett & Platt Wire group is a wholly owned subsidiary of Leggett & Platt Incorporated, a USA-based, Fortune 500 listed diversified manufacturer that conceives, designs and produces a broad variety of engineered components and products for customers worldwide.

As part of the wire group, L & P Wire International (LPWI) will be represented at the show by sales director, John Stanaway.

In partnership with its worldwide procurement specialist colleagues, LPWI sources most grades of wire from partner mills around the world.

As part of its service the L & P team handles the logistics, freeing customers of this sometimes onerous burden.

Representatives will be happy to discuss individual requirements at the show.

wire Düsseldorf stand: 9F21-02

L&P Wire International – UK
Fax: +44 1636 672245
Email: john.stanaway@leggetteurope.com
Website: www.lpwire.com
Corporate website: www.leggett.com

Walter Niehoff Scholarships

Over a number of years the IWMA has funded an educational scholarship award scheme through its charitable trust, the International Wire & Machinery Association Educational Trust.

The scheme provides an award of up to \$24,000 over a two-year period to be paid to an institute, training organisation, university, college or similar establishment for the benefit of a trainee, student or apprentice or for a group training programme.

The candidate must be engaged in study, research or training activities related to the wire, cable or wire product industries. All applications must be introduced and sponsored by a member of the IWMA. There is no upper age limit.

The scholarship is named after the late Walter Niehoff, a founder member and past president of the IWMA. A board of trustees of representatives drawn from IWMA member

organisations considers and selects the recipients of the scholarships. The most recent IWMA Educational Trust grant was awarded to the Institute of Spring Technology to support a series of training seminars in countries like India and Thailand.

Could you introduce someone or an organisation to this award? If you would like to receive some promotional material to distribute and display at your work place please contact the IWMA.

Application details and terms for the scholarships can be found on and downloaded from the IWMA website at www.iwma.org/education.php

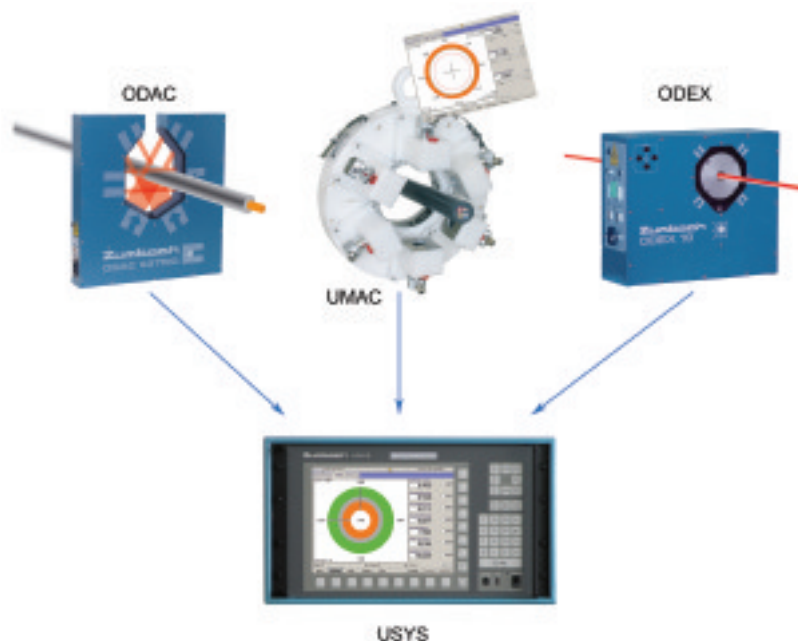
Along with the John C Hogg Travel Award for the wire Düsseldorf exhibition (see editorial on page 18) the Walter Niehoff Scholarships make a significant contribution to the development of well trained and well informed personnel in the wire and cable industry.

Control in power cable production

Zumbach Electronic AG offers a wide range of dimensional measurement and quality monitoring systems for cable.

The three-axis ODAC® Trio gauge offers accurate detection of out-of-round condition, regardless of the orientation of the product ovality, in combination with reliable and fast diameter measurement. The advantages include synchronised measurement axes on a single plane, compact design, reliable detection of mean value regardless of the orientation of the product ovality, accurate computation of circumference and cross section and integrated fault detection functions.

UMAC® represents a line of ultrasonic-based systems for cable wall thickness measurement and control. Each system consists of a highly developed processor, interrogating up to eight sensors at high speed. Wallmaster systems process data from a wall thickness measuring scanner and from several ODAC® measuring heads. Automatic control of wall thickness and/or diameter is possible. Calibration can be automated by means of the DIACAL function.



ODEX® utilises the latest technology in laser optics and magnetic measurement. Fully digital (DSP), extremely fast, stable and compact, ODEX® provides accurate and reliable monitoring of insulation diameter and conductor eccentricity/concentricity during extrusion or other insulating processes. For data acquisition, processing and display, Zumbach Electronic offers the USYS family of multi-tasking controllers. All units provide comprehensive on-line measurement, control and quality monitoring. Diameter, ovality, eccentricity and capacitance can be measured, and additional sensors for faults, line speed or events can be integrated.

wire Düsseldorf stand: 11D43

Zumbach Electronic AG – Switzerland Fax: +41 32 356 0430 Email: sales@zumbach.ch Website: www.zumbach.com



International Wire and

The largest corporate membership trade show
Exhibitors at wire 2010 Düsseldorf are shown in purple

ACIMAF	Italy	11A58	ESM Elektro Sistem Muhendisligi AS	Turkey	
AEI Compounds Ltd	UK	11D78	Esteves-DWD	Spain	10C72
Aim Inc	USA	11A25	Ets Ger SA	Belgium	9F60
Ajex & Turner Wire Dies Co	India	11F02	Euroalpha Srl	Italy	11A61
AJT Equipment Ltd	UK		Eurobend SA	Greece	11J62
Alecosa-Aleados del Cobre SA	Spain	9A13	F D Sims Limited	UK	
Alloy Wire International	UK	11E28	FIB Belgium sa	Belgium	11B62
AlphaGary Corporation	USA	11G22	Fine International Corporation	USA	9F22
Altec Srl	Italy	11A34	Fine Wires Ltd	UK	
Andrew Isaacs Machinery International	UK		FMS Force Measuring Systems AG	Switzerland	11G20
Anhui Hengzheng Technology Co Ltd	China	16K43	Fort Wayne Wire Die Inc	USA	12A52
Arab Co for Cable Polymers Ltd	Saudi Arabia		Fox Wire Ltd	UK	11E18
ASMAG UK Ltd	UK	6A04	Foxton Dies Ltd	UK	
AstroPlast, Kunststofftechnik GmbH & Co KG	Germany	11A78	Frontier Composites & Castings	Canada	
Atom Kablo Sanayi ve Ticaret AS	Turkey		T Fukase & Company Ltd	Japan	11D60
Autoreel Limited	UK		G & A Engineering Ltd	UK	
B & B Compounds Srl	Italy		G S A (Import Export) Limited	UK	
Balloffet SA	France	10A18	Gauder & Co SA	Belgium	10E38
Bar Products & Services Ltd	UK	11F07	GCR Eurodraw Spa	Italy	11A66
Barnfather Wire (Midlands) Ltd	UK		Geca-Tapes bv	France	10D76
Batoyle Freedom Group	UK		Goodwin Machinery Ltd	UK	9C34
Carl Bechem GmbH	Germany	9F42 & 15E07	GP CFF Econom-Servis	Ukraine	
Beijing Master Intl Trading Co Ltd	China	11G26	H Folke Sandelin AB	UK	9E40
Bekaert Limited	UK	10E62	Haarlaender GmbH	Germany	
Bennett Mahler Ltd	UK	16D16	Häfner & Krullmann GmbH	Germany	9A25
Beta LaserMike Ltd	UK	11H58	Hangzhou Dunli Stainless Steel		
Beta LaserMike USA	USA	11H58	Microwire Co Ltd	China	
Birchwood Consulting Partnership	UK		Hasemann Maschinen	Germany	11A39
Bongard Trading GmbH & Co KG	Germany	11A44	HB Cables & Components Ltd	UK	
Box do Brasil	Brazil		Hefei Smarter Import & Export Co Ltd	China	16J60
E Braude (London) Ltd	UK		Hempel Wire Ltd	UK	11D18
Bridon International Ltd	UK		Henan Zhongwei Steelwire Products Co Ltd	China	
British Diamond Wire Die Co Ltd	UK		Henkel	UK	11G74
Bühler Würz Kaltwalztechnik GmbH	Germany	12A26	Hetran Engineering GmbH	Germany	17D50
Building Research Establishment	UK		August Hildebrandt GmbH - Kabeltrommeln	Germany	12E04
BWE Limited	UK	11F26	Hill International (Non Ferrous) Ltd	UK	
CAN ENG Furnaces Ltd	Canada	7aD11	Holton Crest Ltd	UK	11H39
Ceeco Bartell Products	Canada	9F64	Huestis Industrial	USA	9F05-01
CeramTec AG	Germany	10F72	Huntstar Trading Ltd	UK	
Chaplin Bros (Birmingham) Ltd	UK		IBA Industrial	Belgium	10E44
Chemetal plc	UK		IMI Scott Ltd	UK	
China Southern (Group) HK Ltd	Hong Kong		Inductotherm HWT (Radyne)	UK	9B23
G Church - Consultant	UK		Innovites BV	Netherlands	11C22
Cimteq Ltd	UK	11D21	Institute of Spring Technology	UK	16A22
CJ Wiretech Limited	UK		Interlink Import-Export Ltd	UK	
Clinton Instrument Company	USA	9E38	Intras Limited	UK	11D28
Clynder Cables Limited	UK		IPEC Ltd	UK	
Carlo Colombo SpA	Italy	12B52	Itaya Europe limited	UK	16A39
Commission Brokers Inc	USA		Ito-Sin Deyang		
CommScope BiMetals	USA	10G71	Wire & Cable Equip Co Ltd	China	11D22
Condat Ltd	UK	10D56-01	Jawdah Cables	Saudi Arabia	
Consultex Sp zoo.	Poland		Jersey Strand & Cable Inc	USA	
Control and Power Engineering Ltd	UK		JG Tec Ltd	UK	
Costa Machinery GmbH	Germany	11A27	Jiangyin Huafang		
Crownhill Consultancy Services	UK		Electromechanical Technology Co Ltd	China	
CRU International Ltd	UK		Jyd Tech & Industry Co Ltd	China	11E05
Danross Engineering	UK		Kieselstein GmbH	Germany	10E17
Data M Sheet Metal Solutions GmbH	Germany	4F19	Kiveton Park Steel Ltd	UK	11G21
Dodhia Techno Engineering Pvt Ltd	India		Koner SpA	Italy	11A62
Drahtwerk Waidhaus GmbH	Germany		Kuwait Petroleum International Lubricants	UK	11D25
Draka Wire (Part of Draka UK Ltd)	UK		L & P Wire International - Europe	UK	9F21-02
DSE Test Solutions A/S	Denmark	9F31	Lamnea Bruk AB	Sweden	9A06
E-Xhead Technic GmbH	Switzerland		Leigh Cables Ltd	UK	
EDER Engineering GmbH	Austria	10A40-02	Maschinenf Johann Leimbach GmbH	Germany	11B34
Er-Bakir Elektrolitik Bakir Mamulleri AS	Turkey	10C61	Leoni Temco Ltd	UK	11A40
ESAB Group (UK) Ltd	UK		Leyer & Kiwus GmbH	Germany	10F25

Associate Members

Machinery Association

Association in the wire and cable industry.

Table. (Correct at time of going to press, January 2010).



Locton Ltd	UK	11F17	Shanghai Lizhi Machinery Co Ltd	China	
Machinery International Corporation	USA	4D09-04	Shanghai Nanyang Equipment Factory	China	11D32
Madem SA Ind E Com de Madeiras	Brazil	12E66	Shanghai Shenchen		
Mahajan Engineering Works	India		Wire & Cable Equip Co Ltd	China	
Maillefer SA	Switzerland	10D21	Shanghai Yessjet Precise Machinery Co Ltd	China	
Manentimacchine Srl	Italy	16D03	Sharp Tools	India	
Marldon Group Limited	UK	9E34	SICTRA Srl	Italy	11G43
Mathiasen Machinery Inc	USA	12A22	Siddall & Hilton Products Ltd	UK	
Medek & Schörner GmbH	Austria	10A46-01	Siebe Engineering GmbH & Co KG	Germany	10D22
Meisenbach GmbH	Germany	9C01	Sikora AG	Germany	9A41
Meltech Engineering Ltd	UK	12B44	Simplex Rapid Srl	Italy	16A15
Meltech-Confex Ltd	UK		SIMS Copper Sdn Bhd	Malaysia	
Menam Stainless Wire Co Ltd	Thailand	11F21	Sinoleader Industries Group Co Ltd	China	16D53
Meshtec International Co Ltd	Thailand		Sinosteel Zhengzhou Research Institute	China	
Metalube Limited	UK	11G25	Sjogren Industries Inc	USA	11J18
MGS Manufacturing Inc, C/O Northampton Machinery	UK		SKET Verseilmaschinenbau GmbH	Germany	11G44
Microdia SA	Switzerland	11D27	Sleeve It Ltd	UK	
Mikrotek Machines Ltd	India	11E06	SMS Meer GmbH	Germany	7aB13
Ming Quan Composite Material Co Ltd	China		Solvay Padanaplast SpA	Italy	12B53
Mittal Steel Kent Wire Ltd	UK	12D51	Spring Tooling Ltd	UK	16C24
MKM Mansfelder Copper Ltd	UK		Steel-Wire Europe Ltd (Capegate)	UK	9A14
MN Gulf Metals FZE	United Arab Emirates		Stonepark Consultancy Ltd	UK	
MPI Machines (P) Ltd	India	11J01	Supermac Industries India Ltd	India	16K19
National Cable & Wire Manufacturing Co	Jordan		Suzhou City Jinxin Telecommunications Co	China	
Neptco Incorporated	USA	9E41	T M Associates	UK	
Nexans Deutschland Industries GmbH & Co KG	Germany	9B42	Techna International Ltd	UK	
Niehoff GmbH & Co KG	Germany	10C18	Technokabel SA	Poland	10H69
NOTA Zakład Mechaniki Precyzyjnej	Poland		Tecnocable SA	Spain	
OJSC Donbasscabel	Ukraine		Tekab Co Ltd	United Arab Emirates	
OMA (UK) Ltd	UK	12E34	Thompson & Hudson Wire Machinery	UK	
OMA Srl	Italy	12E34	Tianjin Hengjiu Tongda Machinery Co Ltd	China	
Ormiston Wire Ltd	UK		Tratos Ltd	UK	
Outokumpu Stainless Ltd, ASR Rod Mill	Czech Republic	11G17	TRAXIT International GmbH	Germany	9F26
Ozel Elektrolitik Bakir Mam San ve Dis	Turkey	17A32	Tri-Wire Ltd	UK	
P F Consultants	UK		Triangle Cables	Australia	
Pakistan Cables Ltd	Pakistan		Troester GmbH & Co KG	Germany	10F62
Pave Automation Design & Development Pentre	UK	12D17	U Gear Automatic Machinery Ltd	Taiwan	
Plásticos y Alambres SA de CV	Mexico	9E25	Joachim Uhing KG GmbH & Co	Germany	11B40
Pneufarm Machines Ltd	UK		UK Dies Group Ltd	UK	15G11
Premier Industries	Pakistan		UKP Ltd	UK	11A65
Pressure Welding Machines Ltd	UK	9B41	Ucast OY	Finland	9C06
Prommetiz Ltd	Ukraine		Warbrick International Ltd	UK	
Proton Products International Ltd	UK	11D77	WCISA c/o Wire Lab Company	USA	9D14-03
PS Costruzioni Meccaniche Srl	Italy	10B21	Weber & Scher Mfg Co Ltd	USA	10B71
QED Wire Lines Inc	Canada	12A53	Webster & Horsfall Limited	UK	11E31
Queins & Co GmbH	Germany	9B06	WGH Wire Drawers Ltd	UK	
Rautomead Limited	UK	10E56	White & Street International Ltd	UK	
Reber Systematic GmbH	Germany	10H62	Whitelegg Machines Ltd	UK	11G28
Reelex Packaging Solutions Inc	USA	9F06-01	Wiedenbach A H GmbH	UK	
RG Attachments Ltd	UK	11C26	Wintwire Ltd	UK	
RichardsApex Europe Limited	UK	9F13-02	Wire & Plastic Machinery Corp	USA	9F21-01
Ridgway Machines Ltd	UK	11C24	Wire & Steel Trading NV	Belgium	
Roblon Industrial Fiber	Denmark	9F41	Wire Association International Inc	USA	11B25
Rosendahl Maschinen GmbH	Austria	9A74	Wire Direct Ltd	UK	
Rowan Cable Products Ltd	UK		Wire Koerner GmbH	Germany	9B37
S K Wiring Products Ltd	UK		Wire Lab Company	USA	10H40
Sanxin Wire Die Inc	USA		Wire Machinery Consultancy Ltd	UK	
Sarkuysan Elektrolitik Bakir San ve Tic	Turkey	10H75	Worsley Logistics Ltd	UK	
Scapa Cable Solutions	UK	10D75	Wuxi Jiexiang Machinery Factory	China	
Rolf Schlicht GmbH	Germany	12A35	Wyrepak	USA	9E34
Hans Schmidt & Co GmbH	Germany	9B22	XL Technologies UK Ltd	UK	
			Yancheng Gaojing Yihe Machinery Mfg Co Ltd	China	
			Zephyr - One Ltd	UK	
			Zhangjiagang Donghang Machinery Co Ltd	China	
			Zumbach Electronic AG	Switzerland	11D43
			Zyklomat Erich Fetzer GmbH & Co KG	Germany	

Uhing-AVS at Goodyear

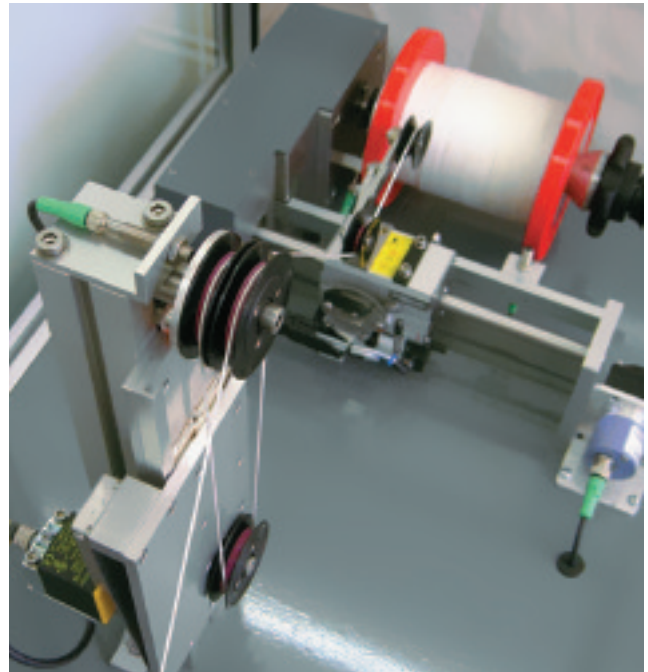
Warped metal spools require frequent adjustment of the traversing width if such spools are to be reused. This negatively affects the cost efficiency of the production process and the staff productivity. The automatic winding width control developed by Joachim Uhing KG GmbH & Co prevents the formation of undesired bulges and dents of wires wound in the flange area of spools and relieves the staff from unproductive monitoring tasks.

A project the company is running in the Luxembourg plant of tyre manufacturer Goodyear Dunlop demonstrates the excellent operation of the AVS.

The metal spools on which Goodyear Dunlop winds the 1mm-2mm thick steel tyre cord are used in several locations of the Colmar-Berg plant. During their service life, some of the spools change their initial geometry considerably, bent flanges being the central issue. As a consequence, many of the traversing systems, even those equipped with sensors, fail to accordingly correct the winding width and require manual intervention by operators. As staff spend much time monitoring the winding processes, more productive tasks were neglected. This made the plant management search for other traversing solutions.

Goodyear Dunlop approached Joachim Uhing KG GmbH & Co. Aiming at providing the tyre manufacturer with a smooth winding pattern in the reversing area of the traversing system known to be particularly critical, Uhing developed the automatic winding width control AVS.

Two sensors monitor the material's line speed and the spool speed. When a dent forms at the end of a stroke, the spool speed slightly increases in relation to the constant material speed. A third sensor identifies the position of the traversing system and reports the faulty stroke end to the controller that accordingly increases the material supply in the dent area by widening the traversing width at this stroke end until the flaw has been corrected.



▲ A sample configuration of the Uhing AVS

In case of a bulge, the spool speed will decrease along with the traversing width and consequently the material supply. This results in an optimum pattern on the spool and ensures smooth unwinding later on. The Uhing AVS is extremely unsusceptible to soiling, since it lacks optical sensors, and can be integrated into existing traversing systems as a complete system or in parts.

wire Düsseldorf stand: 11B40

Joachim Uhing KG GmbH & Co – Germany

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John C Hogg Travel Awards for wire Düsseldorf 2010

The John C Hogg Travel Award, which the IWMA offers to trainees, apprentices and students through its Educational Trust, attracted sixteen applicants for Düsseldorf 2010, of whom ten have been given an award.

This scholarship gives the recipients a unique opportunity to visit the world's largest and most important wire fair, with travel and two nights accommodation funded by the IWMA Educational Trust.

Recipients are also invited to the IWMA's gala dinner during the wire show, which this year is on Tuesday 13th April.

The recipients of the 2010 awards reflect the worldwide influence of the IWMA coming from India, Canada, and Europe. As a memento of the occasion each awardee will receive a commemorative certificate from the Chairman of the IWMA at a ceremony on the Association booth – 11 D26 – in Hall 11 at 14:30 hours on Wednesday 14th April 2010.

Friedrich Kehler, Messe Düsseldorf's project director for the exhibition, will also officiate at the ceremony when he will present each recipient with a wire catalogue. Messe Düsseldorf also provides free exhibition entry passes for each award winner.

Recipients of the 2010 John C Hogg Travel Awards are:

Mr R Killick, Whitelegg Machines Ltd, UK
Mr GT Robinson, XL Technologies Ltd, UK
Ms L Colloca, B & B Compounds, Italy
Mr C S Mantha, Innovites, India
Mr S Thornton, Bar Products and Services Ltd, UK
Mr M Certosini, QED Wirelines Inc, Canada
Mr R Manjunath, Mikrotek Machines Ltd, India
Mr J Coldwell-Horsfall, Webster and Horsfall Ltd, UK
Mr K Nandagoplan, Niehoff, India
Mr O Çinar, ER-Bakir, Turkey

Travel awards for Düsseldorf are just a part of what the IWMA, through its Educational Trust, does for trainees in the industry. Scholarships are available for further education and training and can be awarded to either individuals or organisations. (Please see item on page 15).

Wire technology from China

Located in the south of Jiangyin city in Jiangsu Province, Jiangyin Huafang Electromechanical Technology Co Ltd is a rapidly developing group mainly engaged in the research, development and manufacture of mechanical equipment.

The company closely follows development trends in the international wire rod industry, drawing on advanced technologies from home and abroad, to provide customers with high quality mechanical equipment with high performance to price ratio.



▲ HF-LT320.1-21-380: Turnover water tank wire drawing machine

Jiangyin Huafang products, namely the LZ series linear wire drawing bench, LT series water tank wire drawing bench, SL series wire-rewinding set and DT series strander, are widely used.

In-house technicians employ three-dimensional software to improve the production management of parts and components, and a Mitsubishi programmable controller is used to ensure the stability of the mechanical-electrical integration control.

Jiangyin Huafang Electromechanical Technology Co Ltd – China

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Email: huafang.js@sina.com

Website: www.chinahuafang.com.cn

Gauder's GreenBow

Gauder Group's new concentric stranding line, COS 1200-2, has been designed with energy savings in mind. Power consumption has been reduced: to strand 150mm² uses only 40kW of power for the complete line, or 36kW for 120mm².

This is thought to be far lower than using a conventional stranding line. It is the result of using regenerative power from the large and heavy built-in reels to produce electricity through a bus connection, so the reels become power generators.

A second means to reduce power use is by adapting equipment for lower energy consumption. For example, high-speed double twist twinners or bunchers have been equipped with Gauder Group's new GreenBow, saving 30% energy use on bow motorisation.

Multi-wire transmission system

Euroalpha specialises in wire drawing equipment for copper, aluminium and aluminium alloys. In addition to the traditional activities of production, sales and service the company provides its customers with preliminary technical advice and planning, with a careful analysis of the technical production process in order to consider the type of machinery which is more suitable for them.

Euroalpha designs and manufactures rod breakdown machines, multi-wire lines, intermediate lines, dynamic and static spoolers, automatic spoolers, static coilers and automatic coilers, re-spooling automatic lines, single and double automatic payoffs for coil, pointing and stringing machines and a tilting unit for reels.

The experience gained during the development of the limited-slip rod breakdown line, has been applied to the multi-wires line.

The multi-wire MT3 transmission system eliminates the need for gears, with each capstan moved by an independent AC motor.

The advantages of the system include:

- Elimination of friction and of noise caused by gear transmission
- Ergonomic machine construction is maintenance and energy saving and user friendly
- Individual drive for each capstan minimises slip operation, and no noise protection cabinet necessary
- Adjustable wire elongation for each draft (depending on the die schedule and installed power)
- Quick outlet diameter change
- High wire surface quality at high production efficiency for building wire
- Use of alternate current prevents intervention on brushes, collectors and ventilator filters

wire Düsseldorf stand: 11A61

Euroalpha Srl – Italy

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Email: info@euroalpha.it

Website: www.euroalpha.it

An advanced composite material and special aerodynamic design of the bow have been developed to minimise friction/loss and therefore to reduce the consumption of electricity.

Additional advantages are easy maintenance (it has a removable tube) and the fully closed design results in fewer bow crashes.

wire Düsseldorf stand: 10E38

Gauder Group – France

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Email: sales.pourtier@gaudergroup.com

Website: www.gaudergroup.com

Bow Technology by Gauder Group – France

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Email: bowtechnology@gaudergroup.com

Website: www.bowtechnology.com

Marldon hysteresis payoffs

Marldon has supplied a number of hysteresis flyer payoffs to a UK wire manufacturer demanding versatility and simplicity from a payoff system.

Marldon has supplied the hysteresis system of braking applied to payoff and tensioning applications since the 1960s and the system remains popular owing to its wear-less and frictionless operation and the ability to offer stepless adjustment across a wide range of tensions.

The system can be applied to many applications including bare non-ferrous wires, insulated cables and multi-wires as well as mounted in numerous configurations to apply braking to pulleys, or use as a clutch system.

The equipment shown used the Marldon brake size 6, which offers a torque of 4NM, but Marldon offers a range of sizes.

The configuration shown, with the flyer mounted on a swivelling gantry, allows the bobbin to be easily positioned and the flyer brought simply into place.

wire Düsseldorf stand: 9E34

Marldon Group Ltd
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Email: sales@marldon.com
Website: www.marldon.com



▲ A typical application of the Marldon brake

Neptune 2 contract for SKET

SKET has won a contract to supply equipment for Kiswire's Neptune 2 project. What are believed to be the world's largest planetary closer and longest tubular strander are scheduled for delivery in Q4 2010. The machines will be used in the manufacture of deep-sea offshore ropes, among other products.

The model MKVS 1+8 x 2700 planetary closer is suitable for making 160mm diameter rope. The machine will be provided with a payoff and take-up capable of accommodating reels with a maximum capacity of 600 tonnes. Both the payoff and take-up reels have a flange diameter of 5,600mm and a traversing width of 10,000mm. The previous largest take-up made by SKET has a 400 tonnes winding capacity and is in operation at Bridon International.



▲ SKET's previous largest take-up in operation at Bridon International

The high-speed tubular strander, SRW 1+48x800 (32") type, will produce strands with a diameter of up to 55mm at a maximum line speed of 100m per minute.

This line will also be capable of producing compacted strands. SKET's previous largest high-speed tubular strander, of the SRW 1+48x630 type, has been working successfully at the Kiswire Neptune 1 plant in Malaysia for over ten years.

The Neptune 2 project, an \$80 million investment on a 20 acre site near the Johor-based Neptune 1 plant, will be completed in 2011.

wire Düsseldorf stand: 11G44

SKET Verseilmaschinenbau GmbH – Germany
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Website: www.sketvmb.de

Research and production in China

Tianjin Hengjiu Tongda Machinery Co Ltd is a high technology enterprise based in Tianjin, China, involved with the design, development, production and service of production equipment for pre-stressed steel wire. The company is involved with research and development into new processes, new equipment and new technology.

Tianjin Hengjiu Tongda Machinery has a strong technical force and works in cooperation with national science, technology and design institutes. Areas where Tianjin Hengjiu Tongda Machinery Co is involved in research and manufacture include PC steel bar production, low-relaxation PC steel wire production, low-relaxation PC steel stranded wire stabilisation treatment, straight line-type wire drawing machinery, retarded adhesive pre-stressed steel stranded wire production, unbonded PC steel bar production lines, and lines for oil-hardened and tempered spring steel wire production.

The business objective of the company is one of continuous innovation, advanced technology, service and quality.

Tianjin Hengjiu Tongda Machinery Co Ltd – China Fax: +86 22 2698 1345 Email: liuhaifeng188@sina.com

Electrostatic powder coating from Schlicht

Rolf Schlicht's electrostatic powder coating machine model RSC was designed for an even, finely dosable and dust free powdering of cables, wires, hoses, profiles with powders such as talc, stearate, lac and swellable powder. Due to the electrostatic charging of the powder an even and strongly adhered layer is achieved on the product surface. The electrostatic charge also ensures that no powder will fall outside of the dusting chamber. Depending on extrusion speed and product diameter up to four powder guns of 100kV each can be used.

Rolf Schlicht can supply machines for product diameters up to 200mm. Each machine is manufactured to correspond to the desired extrusion speed and diameter.

The machine features a fluidised powder hopper from which the powder is sucked by pneumatic venturi pumps and then blown to the guns.

For optimal adjustment of the powder quantity the power of the electrostatic charge can be varied from 0–100kV. Depending on the product the powder gun can be equipped with different powder nozzles. A fine dosing device is also available.

The machine is fitted with a fully automatic and maintenance-free filter system that maintains a strong and constant vacuum in the machine. Inlet and outlet openings of the dusting chamber do not have to be sealed by brushes.

A free standing dusting chamber is available for use where space is limited; this is connected to the machine by hoses.

Available accessories for the machines include an automatic 90l powder refilling hopper, a powder flow indicator with alarm, automatic adjustment of the electrostatic and pneumatic to comply with the extrusion speed, and an interface to connect the machine to the line.

wire Düsseldorf stand: 12A35

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 Website: www.schlicht-gmbh.de



▲ Model RSC electrostatic powder coating machine

Cable specific enterprise software

Successful wire and cable manufacturers and distributors use enterprise software to make their business processes across the company more efficient. However, the promises of these systems do not always materialize. The reason? Standard ERP systems do not fulfil the unique requirements of wire and cable companies. By definition, generic ERP systems do not understand the world of wire and cables.

These standard ERP systems are built to support either discrete industries or process industries but the wire and cable industry does not fit either one. As a result, the typical business processes and best practices in the wire and cable industry are not supported.

Companies who try to force the generic software in the reality of cable manufacturing and distribution have to accept many compromises. The result is often an expensive, heavily customised and rigid ERP system that cannot provide the flexibility needed to compete in the current competitive environment. InnoVites understands the specific requirements of the wire and cable industry, and specialises in providing unique solutions for the industry. Based on extensive experience within the industry the company has

developed ERP software that addresses the needs of wire and cable manufacturers and distributors. This industry solution is based on the popular and mature Microsoft Dynamics AX software and InnoVites complements this rich solution with features that are specific for the wire and cable industry, including:

- Cable length management throughout the logistics (sales, production, purchasing, master planning)
- Optimisation algorithm, developed in association with scientists, to reduce scrap in production and cutting operations
- Precious material management, to manage the volatile prices of materials such as copper, aluminium and XLPE
- Easy cable cutting procedure
- Standard integration to the popular cable design software CableBuilder

wire Düsseldorf stand: 11C22

InnoVites BV – The Netherlands

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The Holton Crest approach

In the Autumn 2009 issue of WCN, Holton Crest announced the redefinition of the existing Holton machine design, extending the capability boundaries beyond what has traditionally been on offer. The new holton² generation continuous rotary non-ferrous extruder range enables all users to increase productivity, process efficiency and product quality. The design incorporates improved uptime, extended tooling life and enhanced energy and water conservation measures.



▲ The holton² generation continuous rotary extruder range

European, design. Holton Crest can supply everything from a basic machine with no ancillaries, to a complete turnkey plant, with copper caster, holton² generation line, drawing line and packaging line. Holton Crest is ideally placed to offer the best solution to any continuous rotary extrusion requirement.

wire Düsseldorf stand: 11H39

Holton Crest Ltd – UK Fax: +44 1202 681502 Email: info@holtoncrest.com Website: www.holtoncrest.com

Commodity busbar and shaped electrical conductors produced by all holton² generation machines have high all round quality proven by consistently excellent test results. Customer benefits include high conductivity, good surface finish, continuously accurate dimensions and consistently accurate corner profiles.

Products can be cut-to-length and fed onto a run out table of up to 12m capacity or delivered onto a 6 tonne gross capacity take up coiler, all of Holton Crest design, so there is always a complete line solution from one central source.

The standard HC1100 model forms around 600kg/hr of aluminium or 1,100kg/hr of high copper alloy products depending on the configuration. Able to produce profiles from 3 mm² cross-section to the region of a 90mm die circle, the HC1100 is like its larger companions in its robust, wholly

Chinese producer selects Radyne

Radyne IHWT has successfully completed the supply, installation and commissioning of induction heating equipment for six tyre cord diffusion (TCD) lines in China, each capable of running 24 wires at 80DV for wire diameters in the range of 1.1mm to 2.2mm.



▲ Radyne's tyre cord diffusion (TCD) line

Delivered to a leading Chinese producer, each of the above six lines included a pre-heat zone and a final heat zone, each supported by an IGBT power source, followed by two muffle temperature holding zones.

The tyre cord diffusion process is done to prevent corrosion of wire within the tyre itself and to act as a lubricant for further wire diameter reductions in subsequent drawing operations.

There are many advantages and benefits associated with Radyne TCD systems, such as high electrical efficiency and contact-less heating without the need to heat media such as sand.

The system is operator friendly and includes a control system with a Siemens HMI that is an integral part of the operator control desk and communicates with the Siemens Simatic series PLC using the Profibus DP protocol.

This allows the operator access to all machine parameters and controls in addition to providing diagnostic information. Most importantly the Radyne TCD system ensures product consistency with perfect diffusion of both copper and zinc. Multi-wire heating at high DV can be achieved and it is also simple to change over from one wire diameter to another.

wire Düsseldorf stand: 9B23

Radyne IHWT – UK Fax: +44 1256 467224 Email: info@ihwtech.co.uk Website: www.inductotherm-hwt.co.uk

Gauder Group at wire 2010

The Gauder Group is among worldwide leaders in the design and manufacture of rotating machines for communication and power cables as well as providing resale equipment for all wire and cable works. Innovation and quality are key to the Pourtier and Setic rotating offer. Both companies develop added-value processes and solutions for optimised wire and cable production.

On booth 10E38 Setic will be showing a large double twist strander for power cable while Pourtier will present its range of equipment dedicated to conductor for transformers, including a paper insulation line for rectangular conductor and a planetary assembly line for continuous transposed conductors (CTC).

Pourtier will also demonstrate its multi-wire concentric stranding line capacities for the production of SWA cable at high speed.

Dynamism and availability are the cornerstones of the "Second-life by Gauder" activity. As a stocking expert in resale solutions, the company will demonstrate its 1,000+ items of resale equipment on offer through the "Gauder Group Explorer" dedicated software on wide plasma screens. Visits may be organised to the Belgian premises to see new machines, or to the second-hand machines warehouses. For a higher level of performance and an extended machine lifetime, a comprehensive range of services is available. Emphasis is placed on the latest developments in machine upgrades, high technology bows, spare parts and consulting possibilities.



▲ Pourtier multiwire concentric stranding line COS 1200-2

wire Düsseldorf stand: 10E38

Gauder Group – Belgium Fax: +32 4 367 87 98 Email: gauder@gaudergroup.com Website: www.gaudergroup.com

Braude joins forces with Eltherm

A well established name in the metal finishing industry, Braude is a specialist manufacturer of non-corrodible heating and cooling equipment for the highly corrosive liquids found typically in pickling, plating, anodising and other chemical processing operations. All products are manufactured from high integrity chemically inert fluoropolymers (Teflon™, for example), and have been designed to ensure long life in aggressive solutions.

Braude products include:

- Polaris non-corrodible electric immersion tank heaters, available in ratings from 0.5kW to 24kW, unaffected by stray currents, and in a variety of configurations
- Braude controllers, including the Thermaster temperature controller, Levelmaster liquid level controller and the Tankmaster dual temperature and level controller
- Self-priming chemical service pumps, suitable for use with highly corrosive solutions such as hydrochloric, hydrofluoric and sulphuric acids - with flow rates up to 35m³/hr

- Frogspawn thermal insulation spheres, which form a floating blanket on the surface of solutions to reduce thermal loss by up to 70%
- Nautilus tank heaters and Jet Stream external heating and cooling systems for the use with steam, hot water, thermal fluid or chilled water for larger scale pickling and processing operations

Braude is pleased to announce its cooperation with Eltherm Elektrowärmetechnik GmbH, a specialist in electrical surface heating systems. "Eltherm manufactures a quality product which complements our existing range and to which we are pleased to use our expertise to bring the equipment to the UK market", said David Snoxhill, MD of Braude.

Eltherm products include self-regulating heating cable, high temperature heating cable, control systems, thermal jackets and flexible heated hoses applied to applications throughout industry for pipes, tanks, drums, antennas, containers, flexible hoses and associated measuring equipment.

E Braude (London) Ltd – UK

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Website: www.braude.co.uk

Power cable production equipment

Weber & Scher Manufacturing Co Inc, established in 1915 by Mr George Scher, has specialised for over 60 years in providing equipment and technology specifically for the wire and cable industry. The company's area of expertise and core business has been in the manufacture and supply of metal tape handling and application systems. This includes the manufacture of seam welding and corrugating systems for use in the production of power cables.



▲ Longitudinal metal tape seam welding and corrugating line

Weber & Scher recently introduced the Gatweld longitudinal metal tape seam welding and corrugating line for producing power cables with a longitudinally seam welded and corrugated metal tape sheath construction.

This system utilises the TIG (GTAW) welding process for welding the two tape edges after being formed longitudinally around the cable core. A series of tools progressively forms the metal tape into a tube which is followed by a precision weld box section that accomplishes final rounding of the tube and positions the tape edge seam for passage under the weld torch.

A critical component within the Weber & Scher Gatweld line is the model no. COR-400 welded metal sheath corrugating machine, designed for imparting corrugations into the welded metal sheath in tandem with the longitudinal welding operation.

The combination of the sturdy steel frame design and dynamically balanced corrugating head assembly ensures smooth vibration-free operation. All operating parameters can be accurately set to obtain the repeatable corrugating results that are critical for product standardisation.

The corrugating machine, in conjunction with the metal tape supply stand, tape edge slitting system, forming and welding station, tube calibrating unit and caterpillar capstan, also manufactured by Weber & Scher, combine to form a state-of-the-art system for producing high performance power cables.

wire Düsseldorf stand: 10B71

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Website: www.webscher.com

PWM to introduce upgraded rod welder

Designer and manufacturer PWM will be on stand 9B41 to exhibit its full range of high performance cold pressure welding machines, including an upgraded version of the powerful P1500 model for joining large rod sections.

The largest machine in PWM's range, the P1500 has a capacity of 15mm to 25mm (0.59" to 0.984") diameter copper and 15mm to 30mm (1.181") aluminium. The machine's new upgraded hydraulic operating system is designed to provide a quieter, smoother weld operation and minimise oil usage, and the P1500 also incorporates a new user-friendly operator keypad.

Developed to weld large rod sections quickly and cost effectively, the P1500 produces strong consistent welds every time, minimising downtime and materials wastage. Power consumption is limited to the hydraulic pump motor, making the P1500 very energy efficient and economical to operate. No set up time is involved and the weld cycle takes only minutes with automatic de-flashing on completion.



▲ PWM's P1500 rod welder

PWM's EP500 rod welder will also be on show. This electro/pneumatic model has a capacity of 5mm to 12.5mm (0.197" to 0.492") copper and 5mm to 15mm (0.59") aluminium.

PWM's versatile trolley-mounted cold welders can be wheeled quickly to the work area, saving time and effort. Portable models include the air/hydraulic HP100 and HP200 machines, capable of welding wire up to 6.5mm (0.256") diameter; and the pneumatic P101 for wire from 1mm to 5mm (0.04" to 0.197").

PWM will also exhibit its manual cold welders with capacities ranging from 0.1mm (0.0039") up to 3.6mm (0.141") copper and 5mm (0.197") aluminium.

The range includes lightweight, hand-held machines, ideal for welding fine wire in confined spaces; durable bench-mounted welders and a bench/trolley-mounted model, the best-selling M101.

PWM manufactures industry standard dies for wire sizes between 0.08mm (0.0039") and 6.35mm (0.257").

All PWM dies are individually hand-made to the tightest possible tolerances by skilled craftsmen in PWM's own UK workshops. Dies can also be manufactured to suit round or profile wires and rods according to customers' specifications.

wire Düsseldorf stand: 9B41

PWM Ltd – UK

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Email: pwm@btinternet.com

Website: www.pwmltd.co.uk

RFS-Radio offers reels contract

RFS is a global designer of cable, antenna and tower systems plus active and passive RF conditioning modules, providing total-package solutions for wireless infrastructure.

After a six-month selection process, Madem Reels USA based in Chattanooga, TN, has become the new primary supplier of wooden and plywood reels to RFS- Radio Frequency Systems in Meriden, CT.

Madem Reels three-year contract provides just-in-time and vendor management programmes to RFS. Leandro Mazzocato, corporate sales and marketing director, said: "It's an honour to seal this partnership with RFS USA, where together we are going to explore ways to optimize their packaging logistics."

"Madem has a global strategy to service our clients all over the world with on-site operations. RFS Group already counts on Madem as its supplier for its Brazil operation, and other RFS operations around the world are considering future projects."

Madem Reels USA is a subsidiary company of Madem SA Brazil, a leading nailed wooden reels producer. Madem Group has forests, sawmills, plywood plant and manufacturing plants in Brazil, USA, Spain, Bahrain, and Romania with more than 800 employees and produces more than 600 containers/trucks of knock down reels per month.

wire Düsseldorf stand: 12E66

Madem Reels – Brazil

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Email: madem@madem.com.br

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Conductor preheater



During the manufacture of data cables, a reliable conductor preheating is required to ensure optimum adhesion of the insulation on the wire.

For these applications Sikora offers the preheating system, Preheater 6000. The Preheater 6000 is positioned before the extruder and preheats the wire by means of inductive heating from 100°C to 180°C, depending on product type.

Sikora offers the device with the processor system Ecocontrol 600 directly integrated in the preheater housing. The Ecocontrol 600 displays the product and production parameters numerically and graphically on a clear 8.4" TFT monitor.

Moreover, it includes a trend display of the relevant data, such as temperature and line speed. An integrated product library stores and recalls product recipes.

To ensure a stable temperature and optimum adhesion the required power is calculated by the Preheater 6000, depending on line speed and product diameter.

◀ *The conductor preheater, Preheater 6000*

A change of line set up with the Preheater 6000 is possible in combination with several interfaces such as Profibus-DP.

wire Düsseldorf stand: 9A41

Sikora AG – Germany
Email: sales@sikora.net

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Website: www.sikora.net

Latest moves at FWWD

Fort Wayne Wire Die Inc (FWWD) has announced the hiring of two new general managers to oversee its manufacturing facilities in London, Ontario, Canada, and Metro Manila, Philippines. By intent, both individuals were hired from within the company.

Byron Philipson, previously the GM in the Philippines, has moved into the same position at the company's Canadian plant. Meanwhile, Sam Falk has left his engineering position at FWWD headquarters in Ft. Wayne, Indiana (USA), to fill the role left by Philipson.

As expressed by FWWD president Dwight Bieberich, maintaining and promoting personnel inside the company is critical to meeting ongoing customer demands for higher quality, more precise wire.

"The Fort Wayne Wire Die difference has always revolved around continuous improvement with the customer," explains Bieberich, "from both a technical and an operational-efficiency aspect.

"That takes a long-term relationship. Filling these positions with two gentlemen already so familiar with our culture, processes and philosophy is the best way to maintain those relationships."

Both Philipson and Falk have Six Sigma green belt certifications.

FWWD and its European sales office, Fortek GmbH, have also announced the addition of three new independent agents to its global sales force, expanding its reach in Eastern Europe, the Mediterranean, Australia and New Zealand.

Branislav Jerinkic is an independent representative with 13 years' experience in the wire and cable industry, primarily in the sales of tube and wire drawing lubricants.

With a master's degree in chemical science and an additional 20 years' experience in the chemical industry, he is said to bring unique wire-drawing technology expertise to Fortek customers throughout Serbia, Montenegro, Croatia, Slovenia, Bulgaria, Macedonia Bosnia and Herzegovina (email: bfgbjerinkic@sezampro.yu).

Fortek customers in Greece can call on George Symeonides of Druna Ltd. During his decade in the wire and cable industry, Symeonides has experience representing suppliers of steel and tungsten carbide rolls and cassettes, extrusion tools, carbide saw blades, graphite products, lubricants, machinery and other products (email: gps@druna.gr).

In Australia and New Zealand, Oliver Blaufelder of Machinery Forum Pty Ltd will offer Fort Wayne Wire Die customers 30 years' experience in the wire and cable industry.

With a bachelor of manufacturing engineering degree and a near lifetime of touring cable plants around the world, Blaufelder offers customers highly skilled applications and service support (email: machinery@machineryforum.com.au).

For over 70 years Fort Wayne Wire Die Inc has designed and manufactured high-precision wire drawing dies and hard-material components for the wire and cable industry.

wire Düsseldorf stand: 12A52

Fort Wayne Wire Dies Inc – USA
Fax: +1 260 747 4269
Email: sales@fwwd.com
Website: www.fwwd.com

Easy-e-Beam™ integrated wire and cable solution

Ionizing energy, as provided by an accelerated electron beam (EB), is an efficient means of crosslinking polymers used for wire and cable jacketing. In this process, chemical bonds are formed between polymer molecules chains in order to produce a three-dimensional insoluble network.

This can be done without heat. In most instances, ionization causes the abstraction of an atom of hydrogen from a polymer to produce active sites along a polymer chain that can bind to similar sites on adjacent chains without the use of crosslinking agents.

EB processing is faster, more controllable and more economical than thermal and/or chemical crosslinking when used in the production of insulated wires and cables.

EB crosslinked wire and cable insulation entails several favourable properties. It will not melt and flow at elevated ambient temperatures, nor melt and flow should the conductor become heated due to an electrical short circuit. EB crosslinking reduces the risk of flame propagation should a fire occur in electrical equipment.

Tensile strength, especially at elevated temperatures, is increased, as are abrasion resistance, stress crack resistance and solvent resistance.

IBA recently developed a new solution for electron beam crosslinking called Easy-e-Beam™. Easy-e-Beam is based on the industrial reliability of the Dynamitron® accelerator. The solution is self-shielded, allowing an easy installation in an existing facility. Easy-e-Beam integrates in one system the E-beam accelerator and the wire handling system, both managed by a single PLC-based control system. Wires and cables wound on reels are fed into the Easy-e-Beam and after electron beam treatment are rewound onto take-up reels. Easy-e-Beam can handle cross-sections up to 30mm² (60kcmil) and, for small wires, can reach a line speed of up to 1,000m per minute.

IBA can provide complete and fully integrated crosslinking lines, including payoff, take-up and quality control equipment.

wire Düsseldorf stand: 10E44

IBA Industrial – Belgium

Fax: +32 10 47 59 92

Email: gino.massaro@iba-group.com

Website: www.iba-cables.com

Find faults – save money

The FL-20A cable fault locator is Clinton Instrument Company's newest tool for the wire and cable industry. Cable rejected during the hi-pot test has always been an expensive problem for the manufacturer. Until now, finding opens and shorts with an analogue cable fault locator took expertise and patience since the procedure required tedious meter and sensitivity adjustments as well as mathematical calculations once the test was completed.

The digital FL-20A automates cable fault detection, greatly reducing the time and training required to find these problems. Opens, metallic shorts, or high voltage shorts between conductors or between conductor and shield are pinpointed quickly and with ease. The operator simply connects the FL-20A test probes to each end of the cable under test, enters the cable length and gauge size on the digital front panel display, and selects "Shorts" or "Opens" to begin the test.

Within a few seconds, the unit calculates the distance of the fault site from each test probe and displays the location in feet or metres. The failure can then be cut out or repaired and the remaining good product salvaged, resulting in great savings to the producer. The FL-20A cable fault locator, a compact 15" wide x 14" deep by 10" high, weighing only 30lb, is significantly smaller and lighter than its predecessors. It promises a great return on investment by salvaging expensive cable assemblies and lowering the costs associated with salvage.



▲ Clinton's cable fault locator, FL-20A

wire Düsseldorf stand: 9E38

Clinton Instrument Company – USA

Email: support@clintoninstruments.com

Fax: +1 860 669 3825

Website: www.clintoninstruments.com

Two new formers

RG Attachments Ltd (Tape Formers) has developed two new tape formers for its standard Tape former range, expanding the maximum Tape former tape width from 210mm to up to 480mm. The new models, Model H and Model I, have been developed in response to customer demand. The RG Tape former is used by cable manufacturers to longitudinally fold a variety of insulating material around cable cores before entering the final jacketing stage. They can be used with many insulating tapes including Mylar, paper and metalised foils and can insulate a wide range of cables. The Tape former is positioned just before the extruder head and is said to guarantee precision folds.

wire Düsseldorf stand: 11C26

RG Attachments Ltd – UK

Fax: +44 116 261 2403

Email: info@tapeformers.com

Website: www.tapeformers.com

Going up

To save the costly floor space required for large volume cable drum storage and cable handling, Techna International offers drum storage systems from Meccanica Nicoletti. Vertical rack storage systems are available to suit all users, from the largest to the smallest.



▲ Large-scale drum storage system from Meccanica Nicoletti

- SU series vertical modular racks for small coils and reels up to 700mm diameter (or 1,000mm on request). Frames measure 1,830mm wide x 2,100mm high. Components include arm supports and swivel arms for ease of loading and unloading, manually adjustable unwinding plates with brakes, measuring units and support plates for coils and reels from 320mm to 700mm diameter
- BF series vertical racks, a simple, constructable system for type RS-14 reel holders for reels from 200mm to 400mm diameter and 235mm width. It is available in 275mm bay width, with a choice of four heights, to provide up to five storage levels with integral adjustable reel support holders and modular bay add-ons
- RS series vertical modular racks for static palletised drums. Modules of 1,800mm width x 4,500mm height x 1,000mm depth provide up to four storage levels with up to two PT-13 pallets on each bay level. Level capacity is up to 2,000kg, or a total of 6,100kg when stored uniformly on each level
- RF series vertical modular racks, for bays up to 5m high with 7,000kg (standard) to 10,000kg (heavy duty) capacity per bay. Test certificates can be supplied. Seven frame heights and six bay widths provide storage on up to five levels. Drums are fitted on axles with a locking cone for free-running, high speed unwinding (withdrawal). A patented system prevents drums from being dislodged, allowing operators to work in safety. The MTA-1 automatic towing, measuring and cutting machine can be used with these racks, as can Bob-Mat and CD series take-ups

Techna International Ltd – UK
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Email: sales@techna.co.uk
Website: www.techna.eu

Software success

InnoVites BV has announced that Polycab, one of the largest manufacturers of cable and wire in India, has selected InnoVites to implement CableBuilder®. CableBuilder is cable design software developed by Cimteq Ltd, InnoVites' industry partner. With a turnover of about Rs 2,500 crore, Polycab Wires is among the largest manufacturers of cables and wires in India and a market leader in this segment, believed to have a domestic market share of over 25%. The company also exports its products to countries in West Asia, Europe and Africa, with exports accounting for nearly 10% of its turnover.

Polycab recognises the value of CableBuilder in making the design processes more efficient. It will help Polycab to achieve the growth ambitions and become even more responsive to customer demands while increasing the quality of designs and quotations. InnoVites will integrate CableBuilder with the ERP system to deliver an integrated solution. Bharat Jaisinghani, director at Polycab, comments, "InnoVites understands our business and also has a proven capability to deliver effective IT solutions for the cable industry. Supported by their knowledge and skills we are able to achieve the maximum benefits of CableBuilder."

InnoVites is the exclusive reseller of CableBuilder in India and sells and supports this solution from its Cable Competence Center in Hyderabad, India. InnoVites also develops and sells ERP software specific for cable manufacturers, InnoVites for Cable, based on Microsoft Dynamics AX®.

wire Düsseldorf stand: 11C22

InnoVites BV – The Netherlands Fax: +31 318 541 966
Email: info@innovites.com **Website:** www.innovites.com

Cables from Scapa

Scapa understands that each new cable needs to fulfil a specific purpose based on type, length and environment, and be of a design that will ensure the longest possible service life. All Scapa products are thoroughly tested, and the company also offers cable wrapping and component solutions.

Scapa's range includes:

Power cables

Protection against the elements plays a vital part in the structure of a power cable. No matter what length, voltage or capacity of power cable, Scapa can provide a solution for continued optimum performance.

Communication cables

In a world where communication is increasingly important the need to stay online is critical. From modern fibre optic cables, to copper telephone, CAT5/6 and signal cables, Scapa offers a range to ensure against any disruption to service.

Safety cables

Reducing smoke in the event of a fire is of paramount importance, especially in public and enclosed or underground places, whilst maintaining power to overhead emergency signage and lighting can help save lives. Scapa provides a wide range of solutions for any safety cable application, offering vital protection where, and when, needed.

wire Düsseldorf stand: 10D75

Scapa Cable Solutions – UK Fax: +44 161 301 7445
Email: sales@scapacable.com **Website:** www.scapacable.com

Uhing sponsors student project

From November 2009, Joachim Uhing KG GmbH & Co will sponsor five teams of students of the Department of Mechanical Engineering of Kiel University of Applied Sciences to allow the future engineers to gather first-hand engineering experience.

The project for freshmen students, called startInG! was launched several years ago and simulates an engineer's profession.

Sponsor companies, headquartered in and around Kiel, present a problem that the teams must solve within a week. At the same time, the teams are competing for the best solution. Employees of the project sponsors and upper division students act as coaches.

Uhing's problem was to optimise an existing non-contact spool flange detection system used to automatically reverse Uhing traversing gears.

A particular requirement was to reduce the space requirements and to increase resistance against damage and soiling. The realistic experience of an engineer's daily work gave the participants the opportunity to put their vocational choice to a test.

All of the offered solutions being feasible, they were presented to a jury of academics and employees of sponsoring companies for judging. The winning team solved the problem of keeping the transmitter and receiver of a light barrier clean using rotating segmented discs.

Uhing's favourite suggestion was to exchange the delicate optical sensor with a robust ultrasonic sensor, a solution that not only reduces the mechanic complexity but also solves several aspects of the problem. Uhing is currently investigating whether the theoretical approach can measure up to the metrological precision of a light barrier.

wire Düsseldorf stand: 11B40

Joachim Uhing KG GmbH & Co – Germany

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Email: sales@uhing.com

Website: www.uhing.com

Batoyle's new website

Batoyle Freedom Group, one of the UK's largest independent lubricant manufacturing companies, has recently enhanced the appearance and content of its corporate website.

Batoyle manufactures specialist lubricants, greases and oils for the automotive, glass, industrial, textile and tube and wire industries. The redesigned website provides information on the extensive product range available.

Batoyle Freedom Group – UK

Fax: +44 1484 460078

Email: bfginformation@aol.com

Website: www.batoyle.co.uk

New technology for wire 2010

Whitelegg Machines will be introducing new technology at wire Düsseldorf.

New CFM 2D

The all new version of the CFM 2D wire forming machine with automatic butt welding features a new wire bending head, new cutting mechanism and new Allform™ software.

The machine design changes have been introduced to increase productivity, reduce changeover/setting times and improve the quality of the final product.



▲ The new Whitelegg CFM 2D wire and spring forming machine

HIT-8-CNC 5-axis spring coiling machine

Based on the popular 2-axis version, which has been sold since 1996, this new 5-axis version has servo motors driving the feed, pitch slide, cutter slide, horizontal pitch and diameter control.

The spring programme is generated automatically, and uses templates for different spring types such as parallel, conical and biconical. The machine includes vertical and rotating cut-off for both coiling directions as standard.

It works with wire diameters of 0.1mm to 0.8mm and will produce up to 800 springs per minute.

RFM-10T spring generating machine

A versatile cam-based machine suitable for the production of all types of springs and wireforms. It covers a wire range of 0.4mm to 1mm, and includes wire and rotating quill units as standard.

wire Düsseldorf stand: 11G28

Whitelegg Machines Ltd – UK

Fax: +44 1293 538 910

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Website: www.whitelegg.com

Madem in Romania

Madem Group's newest manufacturing plant, Madem Romania, officially started operations in Bistrita Nasaud, Romania, with several local officials, clients, suppliers, and friends attending.

Present were Madem Group president Mr Gino Mazzocato, administrative director Mr Rafael Romagna, accompanied by Mr Ovidiu Cretu, governor of Bistrita Nasaud, and Mr Vitor Gobbato, Brazilian ambassador to Romania.

Madem Romania is supplying local customers and, during 2010, will increase service to other countries throughout Eastern Europe.

"Madem Romania is strategically located in a prime region boasting renewable lumber reserves and a strong customer base of small to medium sized cable manufacturers and suppliers, with whom Madem Romania has formed mutually beneficial partnerships. Today, along with our partners, we are proud to be part of the Eastern European market, servicing our customers while continuously striving to improve quality in our processes," says Cristian Outeiral, general manager Madem Romania.



▲ The inauguration ceremony at Madem Romania

wire Düsseldorf stand: 12E66

Madem Reels – Brazil Fax: +55 54 3462 5900 Email: madem@madem.com.br Website: www.mademreels.com

Sikora to expand in Bremen

Sikora AG is to expand its headquarters in Bremen. By the extension of one of the existing three buildings by three storeys, the company will provide more space for future developments. The start of construction is scheduled for spring 2010.



▲ The planned new building at Sikora headquarters in Bremen

wire Düsseldorf stand: 9A41

Sikora AG – Germany
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Email: sales@sikora.net
Website: www.sikora.net

Power & Trends

Power & Trends 2/09, the most recent issue of the Maschinenfabrik Niehoff customer newspaper, contains articles dealing with the rising demand for energy in East and Southeast Asia caused by large infrastructure and economic development projects, the consequences for the wire and cable industry and latest manufacturing solutions from Niehoff.

In an interview, Mr Weidong Luo, managing director of Jiangsu Jiangrun Copper Co Ltd, talks about the strategic implications of trying to become the market leader and the commercial challenges this involves. The company, which belongs to the "Top 500 Enterprises" in China, manufactures and trades oxygenless copper rod, different kinds of bare and plated copper wire, strands and cables. "No Cable – No Power" is the title of the company portrait which introduces the Bangkok Cable Co Ltd (BCC), one of Thailand's leading wire and cable manufacturers. Short news articles conclude the information offer.

Printed in English, German and Chinese, Power & Trends is the successor to Niehoff-News. It can be obtained from Niehoff headquarters in Germany or any Niehoff subsidiary or service office across the world. It is also available at the Niehoff website.

wire Düsseldorf stand: 10C18

Maschinenfabrik Niehoff GmbH & Co KG – Germany
Website: www.niehoff.de

Niehoff Endex North America Inc – USA
Website: www.niehoff-usa.com

Preview of fourth wire/Tube China exhibitions, 21-24 September 2010

wire China will take place in halls W1 (international exhibitors) and W2 and W3 (both mainly local exhibitors). The international hall is conveniently situated close to the Shanghai New Exhibition Centre's (SNIEC) main entrance.

Despite the global economic crisis of 2008/2009 the Chinese economy has proved to be very resilient and the organisers believe that the exhibitions will be well attended. An added attraction is the World Expo 2010, taking place in Shanghai from 1st May until 31st October.

We can be sure that many visitors to wire China will take the opportunity to visit some of the many attractions at the World Expo and the organisers are predicting 70 million visitors during its six months run! A number of related indoor events will be held in other venues, including the SNIEC.

The advice is to finalise one's participation plans at the earliest opportunity and the IWMA is offering its exhibitor group the "**Tiger**" package scheme to help to minimise the stresses that might be caused by World Expo.

Full details of the "**Tiger**" scheme can be viewed on the IWMA website or obtained from the Secretariat, but the main inclusive elements for a 12m² booth at €4,212 are: fully fitted stands in prime locations; meet and greet service at Pudong Airport (maximum 3 people) to hotels in the SNIEC area of Pudong; stand interpreter; IWMA service and information stand; daily booth cleaning; free visa invitation letter (subject to conditions) as well as optional elements such as special room rates at a conveniently situated quality hotel. Tiger packages and hotel accommodation are subject to availability.

As part of the IWMA's 40th anniversary celebrations there will be a cocktail reception on the IWMA booth for members' representatives and specially invited guests at 13:00 hours on Thursday 23rd September 2010.

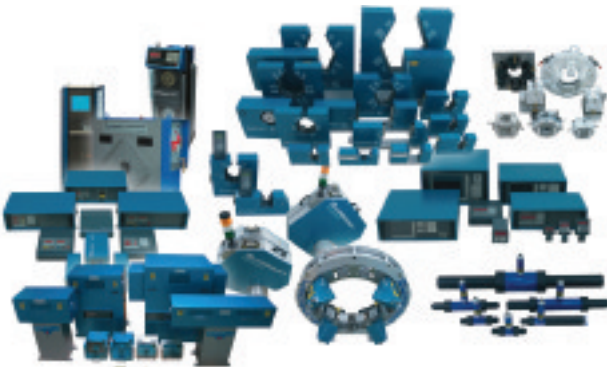
Zumbach at Düsseldorf

At wire Düsseldorf 2010, at booth 11D43, Zumbach will be exhibiting many new developments and products. These will include:

Sensors

- New laser based diameter gauges for small cables and wires. With the complete line of ODAC[®] laser diameter gauges, new models with special laser beam geometry, fault detection function and high scan rate will be exhibited
- Measuring gauge for large dimensions with HLF technology
- 3-axis laser diameter gauges with incorporated fault detection
- Compact 3-axis fault detectors
- An advanced ODEX[®] concentricity and diameter gauge for wire extrusion: non-contact, based on magnetic and laser technology

▼ Complete line of Zumbach measuring and control systems



- Ultrasonic wall thickness scanners with quick and easy adaptation to cable diameters and space-saving integration

Data acquisition, processing and display units (processors)

- Economic and compact data acquisition, processing and display unit
- Full programme of USYS processors, ranging from a low-cost basic model up to the high-end multi-sensor processor/controller. All USYS processors are user-friendly, safe, stable and flexible for extension and upgrading.

Complete measuring and control systems

New systems for full process monitoring and control will be shown, such as:

- Rayex[®] D series:
Zumbach's x-ray measuring and control system for CV lines, for wall thickness (3-layers), eccentricity and diameter/ovality for CV lines. The new systems feature a new state-of-the art software for easy operation and powerful control functions and data acquisition
- Wallmaster/UMAC[®] - dialcal systems
Ultrasonic wall thickness and eccentricity systems for cable jackets and DIACAL option for fully automatic calibration and control
- Cellmaster[®], Jacketmaster and Multiline systems
For extrusion and wire drawing, based on the proven USYS line

wire Düsseldorf stand: 11D43

Zumbach Electronic AG – Switzerland

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INTERNATIONAL WIRE & MACHINERY ASSOCIATION

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INTERNATIONAL WIRE & MACHINERY ASSOCIATION

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Industry partner to the major wire and cable exhibitions:



www.iwma.org