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220 mm max turned dia

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Z travel 800 mm
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Z travel 455 mm
3 hp

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MACHINERY TRADE INTERNATIONAL
Appleby House, Headley Road
Leatherhead, Surrey KT22 8PT
Telephone: +44 (0)1622 859404
Fax: +44 (0)1372 373876
www.mtionline.com
enquiry@machinerytradeinternational.com

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HOW TO CONTACT US:

GENERAL ENQUIRIES
Telephone: +44 (0)1622 859404
Fax +44 (0)1372 373876
enquiry@machinerytradeinternational.com

ACCOUNT MANAGER
Caroline Heath
Telephone: +44 (0)796 7098 094
caz@machinerytradeinternational.com

SALES DIRECTOR
Giovanni Cerrina Feroni
Telephone: +39 (0)346 233 0694
giovanni@machinerytradeinternational.com

SALES ADMINISTRATOR
Helen Barlow
Telephone: +44 (0)1233 280987
Fax +44 (0)1622 859402
admin@machinerytradeinternational.com

PRODUCTION CO-ORDINATOR
Jon Anstee
admin@machinerytradeinternational.com

GENERAL MANAGER
Janet Barlow
Direct Line: +44 (0)1622 859404
Direct Fax: +44 (0)1622 859402
janet@machinerytradeinternational.com

CIRCULATION
Paul Elsegood
paul@elsegood.co.uk

CONTRIBUTING EDITOR
Steed Webzell
steed@machinerytradeinternational.com
Mobile: +44 (0)797 421 4839

PUBLISHER AND CEO
Bob Sadat
Direct Line: +44 (0)1372 372073
Mobile: +44 (0)7967 098090
bob@machinerytradeinternational.com

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Ultrapolymers named Romi agent

Romi Machines UK, which is part of Brazil's Romi Group, has appointed materials distributor, Ultrapolymers, as its exclusive agency for Ireland, including both the Republic and Northern Ireland. The contract will see Ultrapolymers use its established links with the moulding companies of Ireland to create opportunities to sell Romi's 70 to 1500 tonne capacity plastic injection moulding machines. Ultrapolymers was established in 2002 and is part of the Belgium-based Ravago Group.

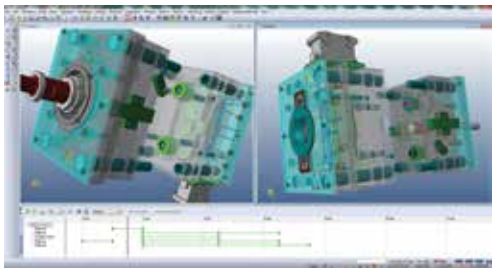
Romi Machines UK, which celebrates its 85th anniversary this year, has been Brazilian owned for eight years. The company offers two ranges of injection moulding machine. The most popular is the EN series, which covers a wide range of small and large moulding applications, and is available in 70 to 1500 tonne models. The other, the EL series, is the company's top-of-the-range, all electric version, which comes in 70 to 300 tonne capacity.

For further information www.romiuk.com

Plastics industry event date named

Vero Software, with its industry focussed CADCAM system VISI, is taking the lead in bringing the plastic industry's technologies together for an educational innovation event to be held at the Alcester headquarters of Seco Tools on 7 May. Sponsored by the GTMA, around 100 mould and toolmakers are expected to attend the event, which will look at the use of new technologies, and how additive manufacturing and traditional methods are driving efficiencies in tool production and finished part creation.

The keynote speaker is Graham Tromans, president of rapid prototyping, additive manufacturing and 3D printing consultants, GP Tromans Associates. With more than 23 years' experience, Mr Tromans has twice been ranked in the top 25 of the world's most influential people in additive manufacturing, and is currently chair of the Additive Manufacturing Association in the UK.



For further information www.visicadcam.com

HaasTec draws nearly 3300 visitors

Haas Automation reports that its recent HaasTec open house attracted nearly 3300 attendees to the company's headquarters and manufacturing facility in Oxnard, California. The four-day event drew visitors from the US, Canada and around the world, with attendees from 48 nations, including China, India, Korea, Latin America, the Middle East and many European countries. More than 330 students – from regional high schools, colleges and universities – also attended.

HaasTec included machine demonstrations, tours of Haas Automation's 1 million sq ft facility, a catered lunch, and 38 exhibitor booths with representatives from major CADCAM, tooling and workholding manufacturers. As an added bonus, the No. 41 Haas Automation Chevrolet that Kurt Busch drove to victory at Martinsville last year was on display, courtesy of Stewart-Haas Racing.

For further information www.haascnc.com

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Samsung PL60L	2 axis CNC turning centre	**£214,334**
Samsung PL60LM	3 axis CNC turning centre	**£236,250**

Options
Y axis
320mm or 381mm spindle bore

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All machines with 775mm swing and 18" chuck

Samsung PL45L	2 axis CNC turning centre	**£160,888**
Samsung PL45LM	3 axis CNC turning centre	**£179,598**
Samsung PL45LY	4 axis (inc Y axis) CNC turning centre	**£179,598**

Search for "Dugard Machine Tools"

75% growth

Additive manufacturing technologies specialist, Concept Laser, which is represented in the UK by ES Technologies, is claiming annual sales growth of 75%. The company received 110 new machine orders in 2014 versus 84 in 2013, a 31% increase. With sales growth in recent years averaging 40-50% annually, sales in 2014 were up 75% from the previous year, driven primarily by large system in the 1000 W laser class. The number of employees had also increased as of the end of the 2014 to 103, 30% more than the previous year.

For further information www.estechnology.co.uk

EDM award

At the recent TIMTOS machine tool exhibition in Taiwan, CNC International picked up an award from Accutex, one of the company's wire EDM machine tool principals. The award for 'Best Newcomer' was presented to CNC International for its sales contribution since becoming the UK agent for Accutex in 2013. Presented at the Accutex global dealer meeting during the exhibition, the award recognises the efforts of CNC International to generate higher sales figures than any other new global agent.

For further information www.cncinternational.co.uk

Rainford names distributor

As a supplier of micro-machining solutions in both machine tool and cutting tool disciplines, Rainford Precision has named Novatech Engineering as its distributor for Ireland. The proprietor of Novatech, Gerry McCready, says: "We are well established throughout Ireland with our products that include machine tools from Index, Traub, Hermle, SHW and Zimmerman, as well as cutting tools from Mikron, InovaTools and Heule to name a few. By adding the Rainford line-up of micro-tools to our portfolio, we will no doubt be able to better service the demands of our customer base."

For further information www.rainfordprecision.com

Crowds get set for Metaltech 2015

Celebrating its 21st anniversary in 2015, Metaltech is a major event in southeast Asia for the machine tool, metalworking and manufacturing industries. It hosts more than 1800 exhibitors from 37 countries, as well five national pavilions. The 2015 event, which takes place on 20-23 May at the Putra World Trade Centre in Kuala Lumpur, Malaysia, guarantees to provide exhibitors with the opportunity to meet and network with more than 25,000 trade professionals from over 52 countries.

The show's organiser estimates that business worth RM200m (€51m) will be conducted at the show, which will cover a floor space of 35,000 sq m, with RM1bn (€250m) of business completed in the subsequent 12 months from exhibition enquiries. Following last year's successful show, Metaltech was proclaimed the 'Best Event in Asia', with ITE Group presenting the award in December at Lindley Hall, part of the Royal Horticultural Halls in London.

For further information www.metaltech.com.my

Best ever year for Dustcontrol UK

Over the past 12 months dust extraction technology expert, Dustcontrol UK, has enjoyed its best ever year for product sales as it reaps the benefits of investment in the company's product range and increased awareness of the dangers of dust. The improved sales have been helped by a growing brand, which facilitated a recent move for its UK head office to larger, more modern premises.

James Miller (pictured), Dustcontrol UK's general manager, says: "The past 12 months have seen our sales increase thanks to a number of contributing factors. We're constantly looking at how we can reinvent our product range, which has seen us remodel our Aircubes, as well as our DC1800 and DCF60 mobile extraction equipment. We've also undertaken an element of rebranding, which has seen us improve our business focus as well as clarify our business message."

For further information www.dustcontroluk.co.uk

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£5m order

An export contract worth in excess of £5m for nine special purpose gun-drilling machines has been secured by Mollart Engineering from one of the largest independent automotive manufacturers in North America. The machines, which are scheduled for delivery over the next two years, will be producing oil feed holes in the next generation of highly fuel efficient nine- and 10-speed automatic transmissions. The contract will involve the supply of a total of 54 gun-drill spindles across the nine machines which will also incorporate multi-station index units.
For further information www.mollart.com

SPI acquires JK Lasers

Southampton-based laser manufacturer SPI Lasers, a member of the Trumpf Group, has acquired JK Lasers of Rugby with effect from 15 April. With almost 100 employees and annual sales of €17.6m, JK Lasers is a manufacturer of high power fibre lasers for industrial use. The Rugby facility of JK will now act as an additional production and development centre for fibre lasers and optical components.
For further information www.spilasers.com

Bridging the UK's skills gap

The MTA and Manufacturing Technologies Centre (MTC) are teaming up to help companies address their skills needs. A free half day seminar will take place on 12 May and start at 09:30. The event will include a number of speakers, such as Steve Gasser (MTC), Paul Schofield (BAE Systems), Suzanne Wells (NPL) and Tim Thorburn (Craftsman Tools), as well as lunch and a tour of the facilities at the MTC. Presentation topics will range from how organisations can access high quality engineers through TRS, to how smaller businesses can tackle taking on apprentices.
For further information email events@mta.org.uk

Chiron declares open house success

Over 1500 buyers, engineers and operators from around the world were welcomed to the Chiron manufacturing plant in Tuttlingen, Germany for its annual open house event. This year, the accent was on both new products and demonstrating the organisation's turnkey capability. Among the visitors to Tuttlingen was a group from the UK who were guests of the Engineering Technology Group, Chiron's long standing UK provider of machines, engineering and service support.

Chiron was debuting its new 12-series compact vertical machining centres and also gave many customers the first opportunity to view and assess the 'Baseline' range for those who need a standardised, flexible and universally usable solution rather than an individually configured machining centre.

The emphasis at the event was on practical demonstrations with over two dozen machines in full operational mode.
For further information www.engtechgroup.com

Doosan picks up Red Dot Award

Doosan Machine Tools has won the 2015 Red Dot Product Design Award with its FM 200 5AX five-axis machining centre, which was launched in August. This is the second year running that Doosan has picked up the award, having won it in 2014 for its Puma SMX 3100 multi-tasking turn-mill machine.

Tony Dale, technical director at Mills CNC, which represents Doosan in the UK, says: "To win the Red Dot Product Design Award for two consecutive years is a considerable achievement and reflects the scope and scale of Doosan's research and development capabilities, and the company's ongoing commitment to designing advanced machine tools."
For further information www.millscnc.co.uk

New funds allow investment

Droitwich-based Chess Plastics, a specialist in large plastic injection moulding products, has purchased a Negri Bossi e-Vector V800-6700 injection moulding machine to cater for a rise in demand – the company's sales totalled £8.5m for the past 12 months – up 30% on the previous year. Chess Plastics made the investment following the granting of a £184,000 asset finance facility from Santander Corporate & Commercial.
For further information www.santandercb.co.uk

MAC supply chain strategy

In response to the Government's industrial strategy development, the Engineering and Machinery Alliance (EAMA) has announced plans for a complementary industrial strategy for the machinery and allied component (MAC) supply chain sector. It will be based on the conclusions of a pilot study EAMA commissioned from the University of Cambridge's Institute for Manufacturing with assistance from the Department for Business, Innovation and Skills. EAMA believes its initiative will increase the ability of MAC supply chain companies to benefit from the variety of schemes available to help build competitive performance. Organisations do not have to be members to join in.
For further information www.eama.org.uk

inter-plast Bodziachowski

Inter-Plast Andrzej Bodziachowski company was established in 1995 and is one of the biggest companies in Poland selling used CNC metal working machines. We own properties in the form of 1.5 ha of area partially built over with modern halls of 6000 m².
There are over 100 machines in stock.

We would like to invite you to co-operate with us.
Andrzej Bodziachowski

~~69 000 EUR~~ **42 000 EUR**

CNC 4 axis Vertical Machining Center
STAMA MC 540
CNC SIEMENS 840C
Year of production: 1996
Index head with three side rotary table: 1640 x 280 mm. Vertical rotary table: 1200 x 630 mm
Working travel X/Y/Z:4000/550/550 mm

CNC Vertical Machining Center
OKUMA VH 40
CNC OKUMA OSP 7000 M-H
swivelling table
Year of production: 2000
Working travel X/Y/Z: 560/450/437 mm
Table diameter:300 mm
Tool magazine: 72 pcs

~~160 000 EUR~~ **119 900 EUR**

CNC Bed Type Milling Machine
SORALUCE SORAMILL SP 8000
CNC HEIDENHAIN TNC 426
Year of production: 1996
Working travel X/Y/Z: 6500/1600/1200 mm
Table: 8000 x 800 mm
Rotary table diameter: 1000 mm

CNC Gantry Type Milling Machine
HARTFORD HB 3150
CNC MITSUBISHI MELDAS
Year of production: 1998
Table: 3100 x 1500 mm
Working travel X/Y/Z: 3000/1500/700 mm
Tool magazine: 40 pcs

~~85 000 EUR~~ **59 000 EUR**

CNC Lathe
RAVENSBURG KL 3-800 CNC
tailstock, chip conveyor
CNC SIEMENS 8 T
Turning diameter over bed: 1400 mm
Turning diameter over slide: 800 mm
Turning length: 3500 mm
Spindle bore: 200 mm

Boring Machine
TOS WHN 9B
NC HEIDENHAIN TNC 135
Working travel X/Y/Z/W: 1000/900/1250/680 mm
B Axis: 360°
Table: 1000 x 1120 mm
Max. workpiece weight on table: 3000 kg
Spindle diameter: 100 mm

~~115 000 EUR~~ **91 000 EUR**

Boring Machine
JUARISTI MDR 130 CM
digital readout
HEIDENHAIN
Modernized in 2005
Working travel X/Y/Z/W:10 000/2730/920/850 mm
Rotary table: 2500 x 2000 mm
Max.weight on table: 20 000 kg

~~65 000 EUR~~ **60 000 EUR**

CNC 7 axis Press brake
SCHIAVI STP-cs 324
CNC T2000
Year of production: 2005
Thrust: 320 T
Bending length: 4400 mm
Distance between columns: 3 760 mm
Stroke: 300 mm

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New factory

Cutting tool manufacturer Tungaloy, part of the IMC Group of companies, has announced the completion of an additional production building at its headquarters located in Iwaki, Japan. The new facility was added on to the company's existing manufacturing complex, which opened in 2011. According to Tungaloy, the new space will help the company meet increasing demand for cemented carbide inserts, milling cutters and indexable tools.
For further information
www.tungaloy.co.jp

Biggest RR order

Rolls-Royce has received its largest order to date, worth £6.1bn, to supply engines for 50 Emirates A380 planes. It will be the first time the engineering giant has made engines for the Gulf carrier's super-jumbo fleet. The news boosted Rolls-Royce's share price after a year of profit warnings. Emirates said the deal gave further support to trade ties between the UK and the United Arab Emirates and would have a "significant economic impact".
For further information
www.rolls-royce.com

Kaiser sold

Kaiser Precision Tooling of Switzerland, reports that it has agreed to be acquired by Japan's BIG Daishowa group as of 15 April. Kaiser Precision Tooling, a supplier of modular boring tools, and BIG Daishowa Seiki, a producer of toolholders and measurement devices, have had a technology and distribution partnership since 1980. BIG Daishowa produces Kaiser boring tools under a licence agreement and sells under the BIG Kaiser brand name in the Asian market.
In June 2003, BIG Daishowa expanded its strategic alliance with Kaiser's North American operations.
For further information
www.big-daishowa.com

Plant breaks ground

Mercedes-Benz has broken ground at its new passenger cars plant in Brazil, which will begin production of the C-Class in the first quarter of 2016. The new plant in Iracemápolis near São Paulo will allow Mercedes to tap the potential of the Brazilian market, and the automaker is aiming for capacity of 20,000 vehicles a year in the first phase. Mercedes-Benz is spending US$182m on the Iracemápolis plant, creating 600 jobs with some 3000 additional posts expected in the region at suppliers and service providers.
For further information
www.mercedes-benz.com.br

My Pages offers real time information

Seco Tools has launched 'My Pages' – a digital portal that enables Seco staff and, more importantly, Seco customers to have fast access to product information, cutting data and test reports. The portal also allows orders to be placed, previous order history to be viewed and stock availability to be checked in real-time. With over 35,000 standard Seco products available to manufacturers, My Pages is said to make product searches less time-consuming and more accurate.

The facility to place orders by seamlessly interfacing with Seco's 'On Line Store' portlet is also possible and takes literally seconds to complete. Drilling down into Seco's product portlet allows customers to check an individual product's technical specification and review the optimum machining parameters to use.
For further information
www.secotools.com

PCML secures investment

March-based Precise Component Manufacture Ltd has agreed a growth capital investment with private equity group Blauvelt Capital Partners, in a transaction advised by BCMS. Andy Denny, BCMS deal leader and manager of the transaction, says: "Specialist manufacturers such as PCML are enjoying strong demand and healthy growth, making them attractive targets for investment. This is, in part, is being driven by recent developments in 'on-shoring' as UK manufacturers bring back component/sub-assembly contract manufacturing from the Far East."
For further information
www.bcmscorporate.com

ISO9001 for MecWash

Aqueous component cleaning specialist, MecWash Systems, says that its quality management system has been accredited to the internationally recognised ISO9001:2008 standard. The certification covers MecWash for the design, manufacture, installation and servicing of aqueous parts cleaning and degreasing systems for metal and plastic components. In February, the company celebrated the 20th anniversary of the installation of its first ever component cleaning machine.
For further information www.mecwash.co.uk

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Auction Spotlight

GoIndustry DoveBid is holding an online auction of machinery located in Malacca, Malaysia. Lots include: a Goodway GS-2000Y CNC turning centre; Okuma MC-50H and MC-6H CNC machining centres; a Mori Seiki MV-55 CNC machining centre; a Liebherr LC 255 CNC gear hobber; three Cugir FD-500 gear hobbing machines; a DCL Fusion CW65/FG electron beam welding machine; Sunnen ML5000 GMI and LBB 1660H honing machines; and four Sykes gear shapers. Viewing is on 27 April by appointment. Sale closes on 28 April. +60126237704 **http://tiny.cc/go-dove_CNC**

Cottrill & Co is staging an online auction of CNC machines used formerly by NWP Engineering. Lots include: a Haas VF3 VMC; a Colchester Tornado 220M lathe; a Haas 0 VMC; a Mori Seiki SV-400 VMC; a Mori Seiki SV-50/40 VMC; a Matsuura H-Plus HMC; a Hitachi Seiki TS15 lathe; a Dugard 850 VMC; and a Matsuura RAIG twin-pallet VMC. Viewing is by appointment only. Bidding ends on 28 April at 15:00. +44 (0)121 328 2424 **www.cottandco.com**

Eddisons is conducting an online auction of assets surplus to requirements at Getinge, Nottingham, UK. Lots include: an Elliot turret mill; an Excel toolroom lathe; an Epple BSM 150 belt linisher; bench grinders; a Ridgid 1822 pipe threader; three Georg Fischer orbital pipe cutters; pipe benders; pipe formers; a Weldlogic PA100 CTW computerised orbital welder; and TIG welders including Kemppi Mastertig MLS3000 and 2200. Viewing is on 28 April (09:30-16:30). Bidding ends from 10:00 on 29 April. +44 (0)845 130 3332 **www.eddisons.com/online**

1st Machinery is hosting an online auction of machines used previously by HN Harben, Wolverhampton, UK. Lots include: a Hardinge Talent CNC lathe; two Bridgeport Interact 1 turret mills with Heidenhain CNCs; two Adcock & Shipley horizontal mills; a Richmond horizontal mill; a Colchester Triumph 2000 lathe; a Colchester Round Head lathe; an Abwood rotary grinder; and a Jones & Shipman 540 surface grinder. Open day to be confirmed. Auction ends on 30 April. +44 (0)2476 992205 **www.1stmachineryauctions.com**

Machine Bidder is facilitating an online auction of machine located in Burton, UK. Lots include: a John Shaw 1000 ton downstroking hydraulic press; a Lagan 500 ton double acting hydraulic press; two Selson 250 ton downstroking hydraulic presses; a Mackey Bowley 300 ton hydraulic press; two Ward Forsyth hydraulic presses (50 and 60 ton); and a Norton hydraulic press. Inspection is by appointment only. Auction closes on 30 April at 15:00. +44 (0)161 345 3000 **www.machinebidder.com**

UPCOMING FEATURES

4 May
CNC mills and machining centres

11 May
Robots and automation

18 May
Grinding and honing

25 May
Metrology

FOR MORE AUCTIONS, SEE Pages 37 – 45

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Press brake order breaks records

Trumpf UK says it has received its biggest ever order for CNC press brakes. No less than nine TruBend series 5000 press brakes have been installed by KMF, a sheet metal subcontractor based in Newcastle-under-Lyme in Staffordshire.

"The decision to purchase the Trumpf press brakes was taken after a number of reviews with our folding team," says Keith Nicholl, business improvement manager at KMF. "We examined the key elements and features that needed to be present in our production environment, which is strictly based on a made-to-order strategy, typically against small batch sizes and short lead-times."

According to Mr Nicholl, simplicity of set-up, speed of tool change and repeatability came out as the principal driving factors.

"During trials, we found that Trumpf press brakes could reduce a complicated multi-bend set-up from 40 minutes down to less than five minutes," he says. "This, along with the confidence we have from our experience of using Trumpf punch and laser systems, convinced us that it was the right choice for KMF."

KMF has installed seven 2.5 m bed TruBend models (85 tonnes capacity) and two 3 m bed models (130 tonnes capacity). All nine machines feature an extended open height for bending components such as deep boxes, and all offer tooling compatibility. One machine even comes with Trumpf's bending aid, which reduces a two-man operation to a one-man function when handling large panels. Other features of the Trumpf press brakes include hydraulic tool clamping [top and bottom], rapid bending speed and eco-friendly, on-demand drives that are said to offer reduced power consumption.

Formed in 1971, KMF is still under the management of its founding directors and has grown into one of the UK's largest sheet metal manufacturing operations. The company has 120,000 sq ft production facilities that operate 24 hours a day, 7 days a week. With 380 full time permanent staff, the company's annual sales exceed £30m.

For further information www.uk.trumpf.com

Euromac electric machines now available

Euromac's recently introduced FXbend electric press brake range is available in the UK from Cotswold Machinery. There are two versions on offer, the 850 and 1300 – the former was displayed at the Southern Manufacturing exhibition earlier this year.

The features of the machines include a direct drive electric motor pulling from the bottom, and a back gauge that can have two, four or six axes. Tool type options include: Wila automatic upper tool holder with manual lower tool holder; upper and lower automatic tool holders; or Promecam upper and lower tool holders with manual clamping compatible with Wila type dies. Furthermore, there are two choices of Lazer Safe guarding systems, the LZS-004 Dual Laser or LZS-005 Block Laser, while the Panasonic Toughbook control features an anti-glare screen that is also impact, water and dust and resistant. In addition, the control offers Windows 7 Professional and USB and Wi-Fi connectivity, as well as nine hours battery back-up.

The transmission system of the FXbend employs a brushless motor connected directly to the ballscrew which delivers the tonnage applying the force by pulling and not pushing during the bending process. This avoids any deflection and enables full tonnage, thus maximising system component life and boosting operation speed and productivity – all in an energy efficient way.

The machine frame is made of two interconnecting Meehanite solid blocks for inherent rigidity. According to Euromac, the compact and ergonomic design of the machine allows the operator to work in a comfortable position. At the same time, it allows users to bend parts to the full bed length (850 or 1300 mm) and to slide tools in and out from the side.

Euromac, which is an established, Italy-based supplier of machines for sheet metalworking, such as CNC punching, bending and notching machines, says that FXbend has been created to improve job quality and boost productivity.

For further information www.cotswold-machinery-sales.co.uk

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Automated bending boosts production

The integration of manufacturing technologies is an industry trend being driven by a market desire for greater efficiency. As a result, the ability to combine multiple processes with a single system solution is a concept that Amada is exploiting with its latest automated bending systems.

The first of these, which is designed for small component bending, is the Amada EG6013AR, a system that features a 1300 mm, 600 kN servo-electric press brake mounted by a front-traversing six-axis robot. The compact cell layout is optimised for system simplification and space reduction, while the dedicated robot features a new gripper design for handling small and complex parts. Both workpiece manipulation and tool changing are facilitated by the same robot. Components measuring up to 300 x 300 mm, and weighing up to 1.6 kg can be accommodated.

In essence, the EG6013AR represents a flexible robotic bending system with tactile sensor systems in the back gauge. These are used to detect the position of the workpiece in both the X and Y directions prior to bending and initiate corrective measures if departures from tolerances are identified.

Another automated bending cell offered by Amada, this time for larger parts, is the HG1003ARs. The cell features a HG1003ATC (auto tool change) servo-hydraulic press brake, which for short run, high mix production can be used by an operator in manual mode, or by a HG robot mounted on a separate track for higher volumes.

Able to handle sheets measuring up to 1000 x 800 mm, and up to 6 mm thick, the HG1003ARs is all about automation. For instance, the robot itself features automatic gripper change functionality, while angle adjustment and high accuracy positioning are also fully automated.

The third automated bending cell is Amada's HG1303Rm. Based on an Amada HG1303 press brake, the cell features an innovative bending system (special gripper and motorised repositioning device) for long parts – sheets up to 2500 mm can be accommodated by the HG robot.

For further information www.amada.co.uk

Dealercast doubles up

One of the UK's leading manufacturers of grab poles for public transport vehicles, Dealercast, has installed a second Unison all-electric CNC tube bending machine – a 50 mm Breeze model with multi-stack tooling – to expand manufacturing capacity at its Manchester plant.

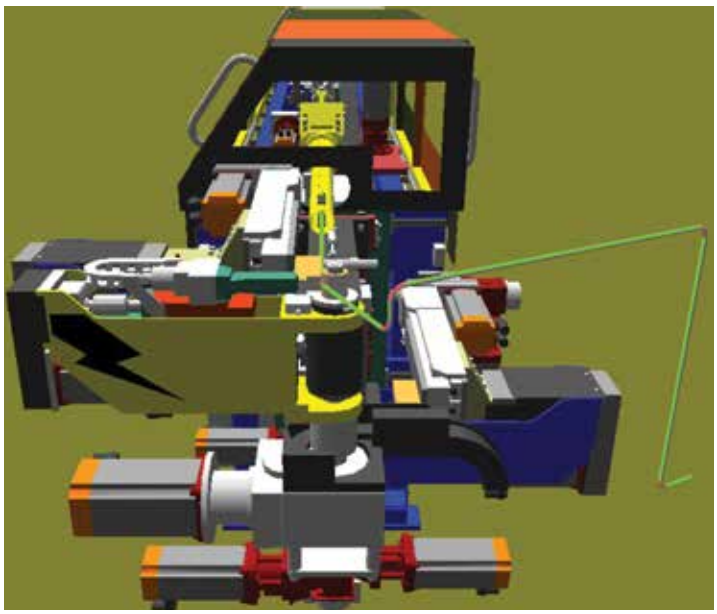
Dealercast's managing director, Michael Lythgoe, says: "We are increasing our production capacity – and our manufacturing flexibility – to stay ahead of our clients' needs. Although we could have bought a low cost tube bender from the Far East for perhaps half the price of the new Unison machine, this would only have been a stop-gap solution. Instead, we sought a machine that would provide reliable, long term performance and a reasonable return on investment, while retaining high residual value."

Dealercast already uses a Unison 40 mm Breeze all-electric machine for a large proportion of its tube manipulation work, together with some older hydraulic tube benders, and hydraulic roll-forming machines for the production of tubes or sections with large diameter curves. The addition of a second 50 mm Unison machine extends the company's all-electric, servomotor-controlled bending capability, and increases the tubular sizes that can be manipulated.

Until now, Dealercast developed bend programs for new tubular parts directly at the control of its 40 mm Breeze machine. This approach offers a convenient means of programming, but it suffers from the disadvantage that the machine is unavailable for manufacturing operations while programs are created, which can result in a production bottleneck.

To create a more efficient manufacturing environment with an optimised workflow, Dealercast also ordered Unison's Unibend Office software package. This is configured for use on a standard desktop PC – in isolation from the bending machine – and allows users to create bend programs offline. The company intends using the new software to create bend programs for its existing 40 mm tube bender as well as the new 50 mm machine.

For further information www.unisonltd.com



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Panel bender cuts cycle times at CSM

Precision sheet metal fabrication specialist, CSM (Chorley) Ltd, has invested in a new Salvagnini P2Xe 21 CNC panel bender to save the set-up times associated with conventional press brakes and ease the company's reliance on skilled operators in the forming section.

"Before we installed the Salvagnini, a batch of 10 components with a degree of complexity would take around 2 hours to complete on one of our press brakes, whereas now the same 10 components are on and off the panel bender in 20 minutes – that's six times quicker," states Paul King, the company's managing director.

The P2Xe panel bender produces panels automatically from a punched/cut sheet of metal using a single universal bending tool. The blank is first moved horizontally by the manipulator before a rotator places the side to be bent in front of the press. The blank-holder then holds the blank firmly in position so that the bending unit and its blades can make any number of bends, up or down, in rapid succession. The machine can process panels up to a maximum of 2180 mm long and form bends up to 165 mm high.

"Around 70% of what we produce here falls within the maximum bend height of the Salvagnini," says Mr King. "On some jobs we have one or two taller bends, but we simply finish those on the press brake. Our previous bottleneck in the forming section has completely disappeared."

The major selling point of the Salvagnini P2Xe is the ABA (automatic blank-holder system) technology, which can adjust the tooling in less than 4 seconds. Importantly, this is done in 'masked time', i.e. before the previous cycle concludes.

"We are putting ABA to good use to ensure we make big savings in set-up time," says Mr King. "Whereas on the press brakes each job takes 20-30 minutes to set, we can eliminate this using the P2Xe. Overall, cycles are much reduced. For instance, some jobs which previously took two men over an hour, can now be completed in less than 10 minutes."

For further information www.salvagninigroup.com

Baykal press brakes available from Bison

Baykal, an established, Turkey-based specialist in sheet metalworking machines with 60,000 sq m of production capacity, has appointed Bison Machinery as its UK dealer. Baykal can offer a range that encompasses CNC press brakes, guillotines, CNC turret punch presses, high definition CNC plasma cutting machines, waterjet cutting machines, and both CO2 and fibre laser cutting systems.

Baykal also offers a high level of automation to complement its products. For instance, the company's APHS press brakes can utilise robot assistance and laser angle measuring devices among other production enhancements, while the BPM-T turret punch presses, BLS CO2 lasers and BLS-VF fibre lasers can benefit from sheet metal storage and loading/unloading systems. What's more, both the BPS and BPL-H plasma cutting systems can be configured to include tube plasma attachments and multi-spindle drilling units.

For sheet metal profiling applications where the post process is sensitive to hardness or heat distortion, Baykal BWJ waterjet systems are said to ensure intricate cutting without the input of heat to the material. Increased productivity is even applied to guillotines as Baykal HNC variable rake CNC guillotines can be installed with automatic front feeding systems.

Baykal distributes its products worldwide through appointed agents, and has a dedicated research and development department delivering a programme of continuous improvement. Recent market introduction include the low energy consumption APHS-NEO CNC press brakes, and the latest BLS-VF fibre laser cutting machines.

Also, Baykal's innovative automatic pole and cutting machinery is now being used on the construction of seven stadiums for the 2022 World Cup in Qatar.

Customers who are already familiar with the Baykal brand can be assured of an equally consistent and high level of service from Bison Machinery, providing customer support from the product selection stage through to commissioning, training and aftersales service. Existing Baykal customers in the UK can also benefit from Bison's service agreements and planned maintenance programmes.

For further information www.bisonmachinery.co.uk

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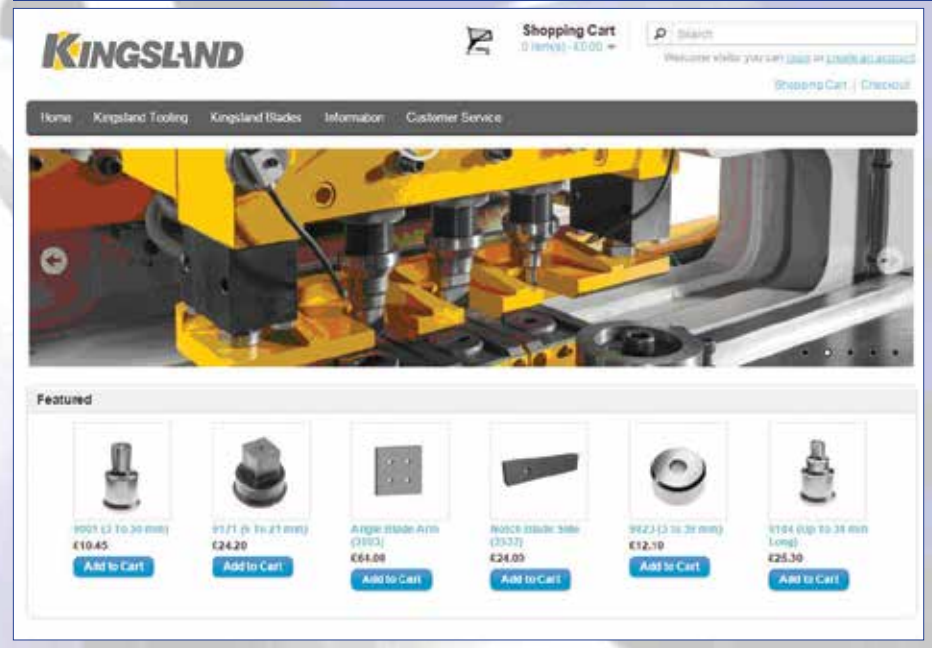

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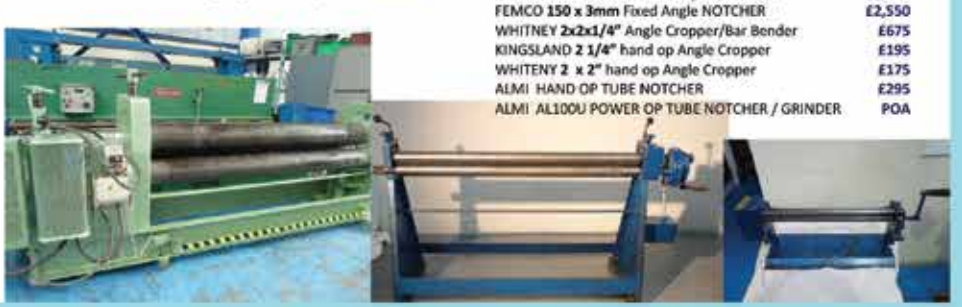

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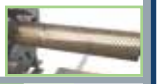

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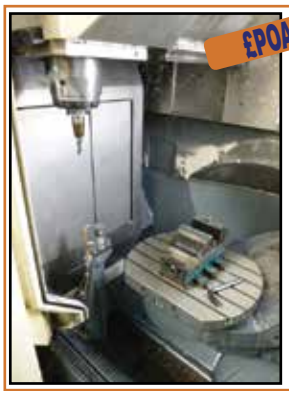

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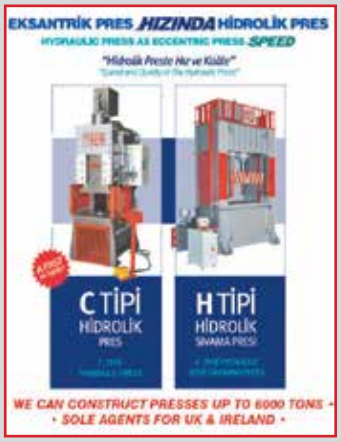

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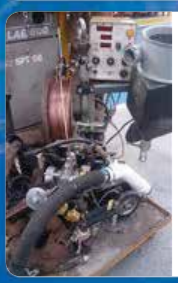

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Due to the relocation of a UK manufacturer located in Burton on Trent, Staffordshire

Viewing: 27th April, 2015 between 10am-3pm – By Appointment Only With Auctioneers

HYDRAULIC PRESSES, MACHINE TOOLS, WELDING EQUIPMENT, AIR COMPRESSORS AND MISCELLANEOUS ITEMS

• **JOHN SHAW** 500-Ton Double-Sided Triple-Action Press with Lightguards • **LAGAN** Model FMC500 Double-Sided Triple-Action Hydraulic Drawing Press with Feeder/ Transfer Equipment & Lightguards • **HUGH SMITH** 1,000-Ton 4-Post Hydraulic Press (VIEW IN SUFFOLK) • **BIPEL** 200-Ton Double-Sided Hydraulic Press • **INDUSTRIAL HYDRAULICS** CBJ250 4-Post Hydraulic Press with Hydraulic Power Pack • **INDUSTRIAL HYDRAULICS** CBJ250 4-Post Hydraulic Press with Hydraulic Power Pack • **FORSYTH** V50 H Frame Hydraulic Press with "New" Spare Hydraulic Pack • **LAGAN** Type MH4-650/650-2000 Hydraulic Press • **PEARSON** 100-Ton x 10ft 3in Hydraulic Downstroking Pressbrake • **PEARSON** 100-Ton x 10ft 3in Hydraulic Downstroking Pressbrake • **HME** Model GP30 Inclineable Power Press with Cushion • **WALTON** Model TSR 5 18P Initial Pinch Bending Rolls. 18in Wide • **WALTON** Initial Pinch Bending Rolls. 31in Wide • **STANLEY** Model HS7 Gap Bed Centre Lathe with Hydraulic Copying & 7in Spindle Bore • **LAGAN** Model Dubbeled 30 Seam Welder • **WELDING RIG** for Cylindrical Containers with Telemecanique Controls • **OMERA** Bridge-Type Swaging Machine • **NORTON** H Frame Hydraulic Press (Incomplete needs assembling) • **MAS** VR2 Radial Arm Drilling Machine with Cast Iron Box Table • **BROWN & SHARPE** No. 2 Surface Grinding Machine • **A&N MANUFACTURING SERVICES** Chime Welding Rig • **ESAB ARISTO** Model LUD450W MIG Welding Machine with MEK44C Wire Feed Unit • **ESAB ARISTO** Model LUD450W MIG Welding Machine with MEK44C Wire Feed Unit • **ESAB ARISTO** Model LUD450W MIG Welding Machine with MEK44C Wire Feed Unit • **ESAB** Model C420W MIG Welding Machine • **ESAB** Model LAX380 MIG Welding Machine with ESAB A10 MEH30 Wire Feed Unit • **MUREX** Model 423SW Transmig with Transmatic Lynx 4EHD Wire Feed Unit • **KEMPPI** KM400 FAST MIG with Fast Cool 10 Cooler & MF33 Wire Feed Unit • **KEMPPI** FAST MIG PULSE 450 with Fast Cool 10 Cooler & MXF65 Wire Feed Unit • **KEMPPI** MLS3000 Mastertig TIG Welder with Mastercool 10 Cooler • **KEMPPI** WU10 Water Cooler • **KEMPPI** WU10 Water Cooler • **MUREX** Transtig DC250I TIG Welder with OCF2 Water Cooler • **MUREX** Transtig DC250I TIG Welder with OCF2 Water Cooler • **MUREX** Transtig DC250I TIG Welder with OCF2 Water Cooler • **BUTTERS** TECH-UP TXT350 AC/DC Welding Machine • **KEMPPI** Master 3500 TIG Welder • **KEMPPI** Master 3500 TIG Welder • **KEMPPI** PS2800 TIG Welder with TU10 Cooler & Welding Torch/Gauges on Steel Mobile Trolley • **ISKRAVAR** HS5 Water Cooler • **ESAB** Marathon Pac Welding Wire on Pallet • **ATLAS COPCO** GA45 Screw Compressor with FD130 Air Dryer & Air Receiver • **ATLAS COPCO** GA30 Screw Compressor with FD95 Air Dryer & Air Receiver • **AUTOFIN** Automatic Washing & Degreasing Machine with Electrical Control Equipment • **KOBE** 840i Wet & Dry Industrial Vacuum Cleaner. 2,000W. • **KOBE** 840i Wet & Dry Industrial Vacuum Cleaner. 2,000W. • **NORTON** Flypress Model 6 12 • **RECORD** Bench Vice on Steel Bench • **FORSYTH** V60 H Frame Hydraulic Press • **EXCEL** Optimum Bench Drill on Steel Stand • **SYNTHETIC** Liquid Storage Tank

BY PRIVATE TREATY — Burton on Trent Site • Pickling & Passivating Plant • Mezzanine Floor

***BIDDING CLOSES:** Thursday 30th April, 2015 at 3pm*

To register, view pictures & bid online log onto www.machinebidder.com

Tel: 0161 345 3000 Fax: 0161 345 3003 Email: info@auction-uk.com

1ST MACHINERY AUCTIONS LTD

WORLDWIDE ASSET DISPOSALS

WWW.1STMACHINERYAUCTIONS.COM

200 + Lots

HN Harben Ltd Engineering
April 30th

HN Harben Ltd. Aviation Engineering And Engineers in Wolverhampton.

Complete Engineering Plant sale due to retirement.

Location: Wolverhampton, WV9 5AN Open Day 22nd April 10 - 4pm. Auction Ends: Thursday 30th April 2015 - 15:00-16:00 BST

Plus Lots of Tooling & Inspection Equipment Please Download Catalogue for full Listing

Hardinge Talent CNC Lathe

Bridgeport Interact 1 Heidenhain TNC145

Bridgeport Interact 1 Heidenhain TNC151

Adcock Shipley 2ER Horizontal Mill

Lansing FOER51720 24T TM Forklift

Colchester Triumph 2000 with DRO

Colchester Triumph 2000

Bridgeport Turret Mill with DRO

Abwood Rotary Grinder

J&S 540 Grinder

- 4 x Bridgeport Turret Mills
- Adcock Shipley Horizontal Mill
- Richmond Horizontal Mill
- Colchester Round Head Lathe
- Ward 7DS With copy attachment
- Ward 7DS
- Ward 3DS
- Ward 2CA
- Myford Grinder
- Pedestal Grinder 12" wheel.
- Bench grinder. Seliberate 6NE

- Bench grinder 6" heavy duty
- Draper Pillar Drill
- Elliot Progress 3A Drill
- Elliot 5E Drill
- Speedax 20" vertical bandsaw
- VELOX 6" Saw
- RJH 3" Belt Linisher
- Bridgeport Slotting Head attachment
- Shot Blaster with Dryrex DT21 Dust Extractor

- Fly press Denbigh No.3
- LCO/18V/CLAD/200 Electric Oven 240 degrees
- Black & Decker 6" Bench Grinder
- ABAC B741-270 Compressor & HPC TA11 Drier Package
- Arc welder 200amp With accessories.
- Toggle Press. Jones and Shipman
- Invicta Type 4M Shaper

- Man Egerton T1 Pressure cleaning Tank with Extractor.
- Combat 030 POP ECA Heater (installed 2013)
- Combat 020 POP Heater (Red)
- Aeraspray Birkingham 7 Spary Booth with Extraction
- Pipe Bender
- Numatic Industrial Vacuum with Spare head.

- Erbauer industrial Vacuum
- Earlex Wet and Dry vacuum
- Oil Spill Pallet 134 x 134cm
- Singer Industrial Sewing machine in Bench.
- Taylor Hobson Engraver
- Colchester Tru Grip Collet Chuck with 5 Collets
- Vices, Chucks and Cubes and Angle Plates

CNC Grinder Formally used By F1 Industry
April 30th

A Major Formula 1 Racing company is offering for sale an Anca TG7 Grinding Machine which is surplus to their requirements.

Online Auction Date: Thursday April 30th 2015 - 3pm BST. Location: Northamptonshire This machine has to be removed from site by the 12th May 2015

Anca Fastgrind TG7 Plus Tool & Cutter Grinder (1995)

With Fastgrind TG7 Plus CNC Controls, 4-axis Machine, 15HP, Coolant pump, Hoffman type UT-20 Filtration Unit, 480V, Filtermist F21/8 " extractor fitted, Feed pump, Centrifuge & Manuals

COLLECTIVE MACHINERY ONLINE AUCTION
May 7th

1st Machinery Auctions are offering various Machines from Various UK Sites.

Please see each lot for details

Online Auction Date: Thursday May 7th 2015 - 3pm BST. Viewing Dates: Appointment only Call us for more details: 02476 992205 info@1stmachineryauctions.com

Leadwell V25 VMC with Fanuc 21M Control

Herbert 2D Capstan Lathe With Lots of Tooling and Collets

Universal Dividing Head with tail Stock

Harrison M400

XYZ Pro KR-V3000V Mill with DRO

Harrison M250

Cat MC30 Electric Fork Lift Truck

- TOS FNK 25 Turret Mill
- Scripta Electric Engraving Machine
- Taylor Hobson Surface tester
- Jones & Shipman Bench Centres
- Sub Table (Never been used)
- 6 Micrometers (Metric & Imperial)
- HSS Cutters (Large Selection)

- 3 Jaw Chuck
- Shadowgraph
- 8" Bench Grinder
- 90˚ Milling Head
- Buffalo Electric Sterilizer
- Various lots of tooling and inspection equipment. Plus More

1ST MACHINERY AUCTIONS LTD, PO BOX 5297, COVENTRY CV6 9HF

CALL: 02476 992205

EMAIL: INFO@1STMACHINERYAUCTIONS.COM

Online Auction Sale

CNC Lathes, Vertical Machining Centre & Mill available due to Reinvestment in New Machinery at Budenberg Gauge Co Ltd

Cottrill & Co.
WORLDWIDE ASSET DISPOSALS

Bidding Ends: Wednesday 13th May 2015 at 3.00pm (UK Time) Viewing by Appointment only

- **Hardinge** Quest GT-27-SP Super Precision CNC Lathe with GE Fanuc 21i-T Control (2009)
- **Mori Seiki** SL-25 CNC Turning Centre with Fanuc OT Control
- **Okuma** LB15 CNC Turning Centre with Okuma OSP 5000L Control
- **Mori Seiki** MV-40B Vertical Machining Centre with Fanuc 10M Control
- **Bridgeport** Series 1 Interact CNC Vertical Mill with Heidenhain TNC 2500 Control

For Full Information please visit our Website: www.cottandco.com

Please Contact Our Office for Further Information: Cottrill & Co, 401—407 Tyburn Road, Erdington, Birmingham, B24 8HJ

▪ Tel: + 44 (0) 121 328 2424 ▪ Fax: + 44 (0) 121 327 9550 ▪

▪ Email: info@cottandco.com ▪ Website: www.cottandco.com ▪

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Web: www.newengland.co.uk

By Order Of Retained Client - Online Auction Of Plant & Equipment No Longer Needed In Their Ongoing Business

IMI Components SALE 9: CMM, Office Furniture & General Factory Equipment

Sale closes: From 14:00 29th April 2015 — Location: Witton, West Midlands

- Sheffield Discovery 2 D12 CMM
- FBS Air Bench
- OCE Large Format Printer And Scanner
- Executive Office Furniture
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www.mtionline.com

Online Auction Sale

CNC Machining Centres, Lathes, Grinders and Associated Equipment

Cottrill & Co.
WORLDWIDE ASSET DISPOSALS

Bidding Ends: Wednesday 20th May 2015 at 3.00pm (UK Time)

Viewing by Appointment only with the Auctioneer

- **Daewoo** DMH 400 Horizontal Machining Centre with Fanuc 16M Control (1998)
- **MCP**-H300 Twin Pallet Horizontal Machining Centre with Unipro CNC 90 Control
- **Cincinnati** Lancer 2000 Vertical Machining Centre with Accramatic A2100 Control (1998)
- **Bridgeport** VMC 1000 Vertical Machining Centre with 530 Control
- **Citizen** L25 Sliding Head CNC Lathe
- **HAAS** TL3 HE CNC Lathe with Haas Control (2008)
- **Nakamura** Tome TW10 4 Axis CNC Lathe with Luck-Bei CNC Control (1996)
- **Wickman Taiyo** 60/250 CNC Lathe with Fanuc 6T Control (1983)
- **LNS** Hydrobar Bar Feed
- **Kelch** Toolsetter
- **K.O. Lee Vigor** Creep Feed Grinder
- **Jones & Shipman** Edgetek Grinder
- **Strausak** Grinder
- **Moore** CNC Jig Grinder
- **Brown & Sharpe** P80 Non Contact Profile Checker

For Full Information please visit our Website: www.cottandco.com

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Online Auction Sale

Conventional Machine Tools, Saws, Surface Finishing Equipment, Ovens, Test & Balancing Equipment

Cottrill & Co.
WORLDWIDE ASSET DISPOSALS

Bidding Ends: Tuesday 19th May 2015 at 3.00pm (UK Time) Viewing by Appointment only

- **Jones & Shipman** 1055 Cylindrical Grinder
- **Jones & Shipman** 1310 Cylindrical Grinder
- **Moore** No2 Jig Grinder
- **Thompson** Grinder
- **Lapmaster** 24 Lapping Machine
- **Cincinnati** Milacron Vertical Milling Machine
- **Sterling** BM50 440 CGH Automatic Horizontal Bandsaw (2012)
- **Thomas** 315 Supercut Steel Cutting Circular Saw (2012)
- (2) **Stien** MG50 A Pillar Drills
- **Archdale** 3-Spindle Drill
- **Isel Automation** Kress 900 Watt Engraver
- **Marr** Electric Forced Air Circulating Oven
- **Rosler** Rotofinish Rumbler
- **Walther** Trowal Finishing Machine
- **Hobart** Steam Oven
- Dry Corrosion Test Cabinet
- Single Plane Balancing Machine

For Full Information please visit our Website: www.cottandco.com

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Online Auction Sale

Diedesheim & Gnutti Rotary Transfer Machines & Conventional Machinery no longer required by a Major Sanitaryware Manufacturer

Cottrill & Co.
WORLDWIDE ASSET DISPOSALS

Bidding Ends: Thursday 7th May 2015 at 3.00pm (UK Time) Viewing by Appointment only

- **Diedesheim** LSA5 5-Station Workhead Rotary Transfer Machine
- (2) **Gnutti** Model FMV.5900D Rotary Transfer Machines
- **Dean, Smith & Grace** 18.42 Straight Bed Centre Lathe
- **Dean, Smith & Grace** Straight Bed Centre Lathe
- **Thiel** Duplex 155 Plus Milling Machine

For Full Information please visit our Website: www.cottandco.com

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Online Auction Sale

CNC Lathes Machining Centres, Conventional Machine Tools, Inspection and Ancillary Equipment

Cottrill & Co.
WORLDWIDE ASSET DISPOSALS

Bidding Ends: Thursday 21st May 2015 at 3.00pm (UK Time)

Viewing by Appointment only with the Auctioneer

- **Hitachi** HT23 R III CNC Lathe with Bar Feed
- **Kiaturn** Lathe with Bar Feed
- **Hardinge** Conquest CS42 CNC Lathes
- (4) **Manurhin** KMX Sliding Head Lathes:- 20mm cap, (3) with Live Tooling
- **HAAS** VF0 Vertical Machining Centre
- **HAAS** Minimill CNC Milling Machine
- **HAAS** 4th Axis Unit
- **Harrison** M300 Centre Lathe
- **Herbert** Capstan Lathe and Other Lathes
- (2) **Bridgeport** Mills • (2) Horizontal Mills
- **Jones & Shipman** Surface Grinder
- **Mitutoyo** BH 504 Coordinate Measuring Machine
- **Baty** Shadowmaster Profile Projector
- Inspection Equipment
- (2) Power Presses
- Various Drilling Machines & Drill Sharpener
- **Startrite** H225 Horizontal Bandsaw
- **Boge** S15 Compressor with Receiver

For Full Information please visit our Website: www.cottandco.com

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Hilco Industrial

PROVISIONAL NOTICE OF ONLINE AUCTION

Machinery & Equipment formerly used by Castmaster Roll Co Ltd

COMPLETE ROLL MAKING FOUNDRY & MACHINING FACILITY

Soraluce SP6000 Fixed Table CNC Travelling Column Bed Milling Machine

Binns & Berry Data 3000 Roll Turning Lathe

Toshulin SK1-16 CNC Vertical Turning Milling Machine

Mori Seiki SL6 2 Axis CNC Lathe

Taylormade Electric Induction Furnaces

FEATURING

FOUNDRY MACHINERY & EQUIPMENT; 4000 tonnes Annual Capacity, **Kandu** Triton Swing Arm Sand Mixer, 14t/hr, **Eurotek** T5 High Speed Sand Mixer (2005), **(2) Taylormade** 12 tonnes Crucible Induction Furnaces, **LTM** 1150oC Electric Hearth Tempering Furnace, **Excel** 4 tonnes Top Hat Furnace, **(2) Shelley** 1000oC Electric Hearth Furnaces, 60 tonnes Capacity, (7) Various Pouring Ladles, 4.5 - 18 tonnes Capacity, **Schiess** 1730mm Double Column/Elevating Rail Boring Machine, **Webster & Bennett** 72" Type EM Vertical Turret Lathe, **Asquith** 2 ¾" Spindle Horizontal Drilling Machine, Fisons ARL 3460 Metals Analyser, **Approx 350 Casting Chills, Steel Casting Boxes, Complete Pattern Shop**

ROLL TURNING LATHES (ROUGHING)
(4) Craven 34" x 14'-0", **Herkules D70 400C**, 800 x 3750mm, **Herkules HDK 300**, 800 x 5000mm, **Herkules WDK 300**, 600 x 3000mm, **Herkules D500** ES 1000 x 4500mm, **Crawford Swift** 32" x 16'-6", Swift RL3 44" x 18'-0", **Noble & Lund** IV 25"x21'-0"

ROLL TURNING (FINISHING) **Binns & Berry** CNC 1250 x 5600mm, **Binns & Berry** Data 2000 CNC, 1280 x 4000mm, **Binns & Berry** Data 3000 CNC, 1250 x 4700mm, **Poreba** TR-135B1/5M, 1350 x 5000mm, **Binns & Berry** Data 90-850 CNC, 850 x 3400mm, **Poreba** TR-100 B1/6M 1000 x 4100mm Centre Lathe, **Stanko** 1M63H-3 700 x 3000mm Centre Lathe

ROLL GRINDING
Churchill Type DF 25" x 144" Heavy Plain, **Churchill** Type F 30" x 158" Heavy Plain, **Churchill TWB** 44" x 232" Travelling Wheelhead

ROLL END MILLING
Soraluce SP6000 Fixed Table Travelling Column CNC Bed Milling Machine **Zeatz PHV Acne 800** CNC 4th Axis & Tailstock, (2) Craven 24" Wobbler-End, c12'-0" & c26'-0"B/C, Horizontal/Vertical Spindles

MACHINE SHOP
Toshulin SK1Q 16 CNC Vertical Boring/Drilling/Milling Machine, **Webster & Bennett** V-Type 48" Vertical Turret Lathe, **Webster & Bennett** 36" Type EV Vertical Turret Lathe, **Kollman VF5** Heavy Duty Kneeless Vertical Milling Machine, **Asquith** 2.5" Horizontal **Drilling Machine**, **Bode** 2 CH 300 Powered Rotators, 2CP300 Idler Rolls

MATERIAL HANDLING
(3) Still R70-80/45/30 Diesel Electric Counterbalance Forklift Trucks

NECK RING & SLEEVE MACHINE SHOP,
from 150mm to 1350mm dia Capacity **Dainichi** F45 x 2000 Slant Bed CNC Lathe, **Mori Seiki** MV65-50 Vertical Machining Centre, **Mori Seiki** SL-6 2-Axis CNC Lathe, **Gildemeister** Max Muller MDW850 CNC 2-Axis Turning Centre, **Heid** DFR-NCR-710 2-Axis CNC Lathe, **Heid** DF 1000 CNC Lathe, **Boehringer** VD1 V1000 CNC Lathe, **Heid** DFRV6-NCP 1000/350 2-Axis Lathe, **Boko** Hydro Universal Milling Machine, **(2) Herbert** No. 14/45 Combination Turret Lathes, **Herbert** No. 12B Cross Slide Turret Lathe, **Herbert** No.9C/30 Combination Turret Lathe, **Asquith** ODI Mk2 16/72 Radial Arm Drill, **Lumsden** 91ML Rotary Table Surface Grinder, **EMA** (Electro-Maschinen) Type PU30-43-130-06-09 Induction Hardening Machine

TOOLROOM MACHINERY
Parkson 3N Universal Milling Machine, **Colchester** Triumph 2000 x 50" Gap Bed Centre Lathe, **Jones & Shipman** 540P Surface Grinder, **Elliott** 618 Surface Grinder, **Jones & Shipman** 540 Surface Grinder, **Jones & Shipman** 310 Tool & Cutter Grinder, **Abwood** G3A Tool Grinder, **(2) Luke & Spencer** 20" Duplex Double Ended Grinders, **Jones & Shipman** 1400 Surface Grinder, **Qualters & Smith** QDM32 Heavy Duty Pillar Drill, **Wickman** Optical Profile Grinder, **Birkett** Cutmaster SPDF 18 Cut-Off Saw

TEST & MEASUREMENT
Jeol JSM-35 Scanning Electron Microscope, **Leitz** Laborlux 12ME Microscope, **Avery** Type 6703 Impact Testing Machine, **Dennison** T42 B4 50 Tensile Testing Machine, Vickers Pyramid Hardness Tester, **Shandon** Ultra Photo Miscroscope, Hand Tools, Inspection Equipment, Much more...

MISCELLANEOUS
Caterpillar 150 kVA Packaged Standby Generator, (2) APE Belliss BM20 Twin Cylinder Air Compressors

Location: Eagle Foundry Stevenson Way, Sheffield S9 3XG, United Kingdom
Sale Date: Provisional Sale Date, Wednesday 10 June 2015
Contact: Simon Halsey • shalsey@hilcoglobal.eu • +44 (0) 8453 130 181
Visit: **www.hilcoind.com to register and for further information**

CASTMASTER ROLL COMPANY LIMITED

Hilco Industrial

ONLINE AUCTION
SALE CLOSES, THURSDAY 7 MAY 2015

Machinery and Equipment formerly used by C. A. Grant Ltd and C. B. Kaymich & Co. Ltd

Modern CNC & Conventional Machine Tools, Wire Eroders, Engravers & Inspection Equipment

- **(2) Hurco VMX24t** Vertical CNC Machining Centres, WinMax Control, X/Y/Z = 610/508/610mm, Table 760 x 510mm, 24 ATC, Chiller, H200 4th-Axis, Renishaw Tool/Part Probing, Through Spindle Coolant, 12,000 rpm (2011 & 2008)
- **Hurco VM**1 Vertical CNC Machining Centre, MAX Control, X/Y/Z = 60/356/457mm, Table 760 x 356mm, 16 ATC, 8000 rpm (2003)
- **Haas SL-20TCE** CNC Lathe, Live Tools, Full C-Axis, 12 Station Turret, Programmable Tailstock, Driven Axial/Radial Tool Holders, VDI Tool Holding Kit, Tooling (2008)
- **Sodick AD325L** CNC Wire Eroder, LN1W Control, X-Y/Z 320 x 250mm/200mm (2008)
- **XYZ Proturn** 410 Teach Lathe, 470 x 1000mm, Pro-Trak LX3
- **Colchester** Triumph 2000 x 60" Gap Bed Lathe, Faceplate, DRO, Steady
- **Hardinge** HC3 Turret Lathe, Tooling
- **Chester** DB8V Worktop Centre Lathe
- **Myford** Centre Lathe
- **Bridgeport** Series 2 Special, 2HP Turret Mill, New DRO, Table 1470 x 280mm
- **Lilian** 3VH Turret Mill, Power Feeds, DRO, Table 1270 x 255mm
- **Proth** PSGS-3060AH Hydraulic Surface Grinder (2001)
- **Excel/Dronsfield** Surface Grinders
- **Startrite** 24-V-10 Vertical Bandsaw
- **Excel/Gate** Horizontal Bandsaws
- **Ajax/Startrite** Pedestal Drills
- **(2) RJH** Horizontal Linishers
- **(5) Deckel/Pregraph** Tool & Cutter Grinders
- **(3) Pantograph** Engravers, Tooling
- **Hurco 425E** Spark Eroder
- **Mitutoyo** Crysta-Plus M443 Coordinate Measuring Machine, X/Y/Z = 400/400/300mm (2008)
- **Vision** Engineering Compact Video Measuring System
- **Mitutoyo ARK-600** Hardness Tester
- **Pryor Marktronic** Dot Marking Machine
- **Lang Impala** 400 CNC Milling & Engraving Machine, X/Y/Z = 500/400/200mm, L62DL 1.6Kw Spindle, 9 Station Tool Changer (2001)
- **Lang** Eco Grav Professional Milling & Engraving Machine, X/Y/Z = 420/320/100mm (2002)
- **Otec** Eco-Maxi Deburring Machine
- Also: Tri-Induction/Brierley/ Carbolite Electric Furnaces, Hydrovane Compressors, Excellent Quality Inspection Equipment, Lang Tecknik Precision Workholding Vices & Chucks, BT40 Tooling, Engineers Vices, Work Benches, Tool Chests, Hand Tools, 40'0" Seafreight Storage Container, Qty of Raw Material Stock of Varying Size Stainless Steel/Brass Bar, More..

Haas SL-20TCE CNC Lathe (2008)

Colchester Triumph 2000 x 60" Gap Bed Centre Lathe

Bridgeport Series 2 Special 2HP Turret Mill

Sodick AD325L CNC Wire Eroder (2008)

Hurco VMX24t CNC Vertical Machining Centre (2008)

Location: Leigh Street, Sheffield S9 2PR United Kingdom
Preview Dates: Tuesday 5 & Wednesday 6 May 2015, 10:00am - 4:00pm (BST)
Contact: Simon Halsey • shalsey@hilcoglobal.eu • +44 (0) 8453 130 181
All Lots are subject to availability • A Buyer's Premium of 16% is applicable to this sale

For further details and to register visit: www.hilcoind.com

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CNC FLOOR TYPE HORIZONTAL BORER JUARISTI TYPE MD 150 WITH HEIDENHAIN TNC 430
9 Axis controlled. X-8.000 mm; Y-4.000 mm; W-750 mm(Column) V-spindle travel 1.000 mm. Table size 2.500x 2.500 mm/ 30 Tons/ 360.000°. New 1997.

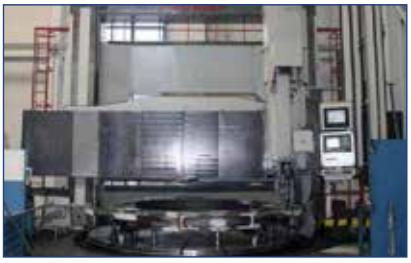
CNC FLOOR TYPE HORIZONTAL BORER FPT M-ARX M 120 WITH HEIDENHAIN TNC 430I S.P
With Automatic Steepless Microhead, Spindle Extension 400 mm,Hydrostatic guide-ways for all axis. X-12.000 mm; Y-4.000 mm; Z-1.500 mm. Table 3.00 x 3.000 mm/ 60 Tons/ 360,000°. New 2005.

CNC SINGLE COLUMN VERTICAL BORER CKD BLANSKO SKJ 50-100 B WITH SIEMENS SINUMERIK 880
Live Drilling and Milling spindle ISO 50 in Vertical support. C-axes 360.000°. ATC 8. Table diam. 4.770 mm; Max Swing 10.000 mm;Working height 4.300 mm.Table load 100 Tons. New in 1995.

SCHIESS 3/2 VKE 420/900
Table diam 4.200 mm
Max. Diam 9000 mm!
Max. turning Height.
Table load 90.000 tons.

DOUBLE COLUMN VERTICAL BORER STANKO 1550
Max. ø of workpiece: 5000mm. Max. height of workpiece: 2500mm. Table ø : 4500mm. Max. weight of workpiece: 100t. Completely retrofitted with new electrics …etc in 2011.

CNC SINGLE COLUMN VERTICAL BORER DÖRRIES CTE 3000/4500 WITH SIEMENS SINUMERIK 840D
Table diam. 3.000 mm. Max swing 4.500 mm.Turning height 2.650 mm.Table load 25 Tons. New in 1982.Modernised 2008.



CNC VERTICAL LATHE FRORIEP 25/40 KZ
with CNC Sinumerik 840 D Sl. Table diam. 4.200 mm. Max. swing 4.500 mm. Max height 3.000 mm. Ram travel 1.800 mm. Table load 25 ton. Retrofitted 2009. Condition as new.

SKODA SK-50A VERTICAL BORING MILL.
Table diam 4.750 mm, Max swing 5.180 mm, Table load 45 tons.Max Turning height 3.260 mm Built 1972

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with HERCULES / WALDRICH SIEGENS latest CNC System Beckoff and crowning. Built: 1981, modernised 2008 by HERKULES. Max roll Ø 2000 mm. Max. length of roll: 13000 mm. Max weight of roll 70 ton.

CNC HORIZONTAL BORER TOS WPD 130
with HEIDENHAIN TNC 430i. Spindle diam 130 mm, Spindle speeds 1.800 rpm. W-spindle 550 mm, Z-Ram 805 mm. X-8.000 mm. Y-2.525 mm. Rotary table 2500 x 2.000 mm/16 tons. Travel 1.450 mm. Angle head. New 1999.

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