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23 JANUARY 2017

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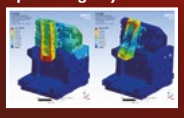

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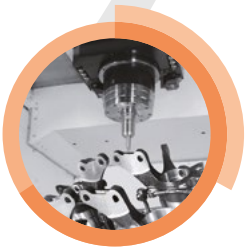

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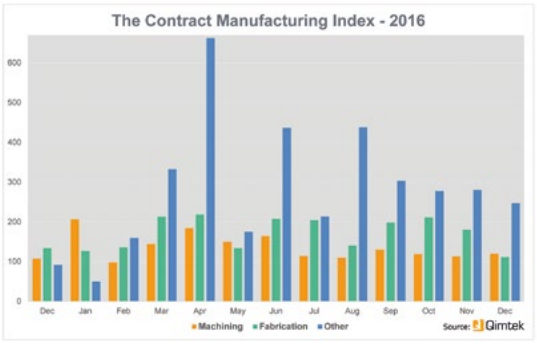
Mixed year for subcontract manufacturing



The latest Contract Manufacturing Index figures show that the market for contract and subcontract manufacturing was up by 12% in 2016 compared with the previous year, at 161 against 144. The baseline index of 100 represents the average value of the subcontracting market in 2014 – so the increase over two years is 60%. Last year, 49% of the market was for machining, 41% for fabrication and 10% for other processes such as electronics manufacturing and moulding. This compares with 49%, 47% and 4% respectively.

The final quarter of 2016, however, showed an overall fall of 4% on the previous quarter, which was already down on the first half of the year. The CMI for Q4 2016 stood at 147 compared to 153 in Q3 2016 – a drop of 4% – but was still up on the equivalent period in 2015 by 2%. Within those figures, machining was slightly up on Q3 by 1.7%, while fabrication fell back 7.3% and other processes by 16%.

For further information www.qimtek.co.uk

Organisers prepare for GIF 2017

Gulf Industry Fair (GIF) 2017 will be staged on 7-9 February at Bahrain's International Exhibition and Convention Centre, which is located in the Sanabis region of the country's capital city, Manama. GIF is a premier industrial event in the Gulf region; a well-established B2B exhibition aimed at demonstrating the enormous growth potential of the Middle East. The exhibition covers all key industrial segments, in particular machine tools, industrial metals (steel and alloys), industrial processes and manufacturing. Visitors will also be able to participate in workshops and seminars. As always, a team from MTI magazine will be present at the show, distributing copies of its latest issue to event visitors.

For further information www.gulfindustryfair.com

Hitachi Rail Europe (HRE) is celebrating the first Intercity Express (IEP) train to be built in the UK at its manufacturing facility in Newton Aycliffe, County Durham. The company was joined for the occasion by the Secretary of State for Transport, Chris Grayling, Minister for Northern Powerhouse, Andrew Percy, and the Ambassador of Japan in the UK, Koji Tsuruoka.

By spring of this year HRE says it will employ approximately 900 people at its £82m facility in Newton Aycliffe, which opened in September 2015. Furthermore, a host of British businesses will continue to supply parts for the new trains, supporting thousands of additional jobs countrywide. By the end of the programme, HRE will have supplied 122 modern intercity trains for passengers travelling on the Great Western and East Coast main lines.

For further information www.hitachirail-eu.com

Alitex invests

Bespoke greenhouse manufacturer, Alitex, has acquired Marston & Langinger, a timber conservatory company. Alitex now plans to relaunch the Marston & Langinger brand, but rather than using timber to construct the Victorian-inspired garden rooms, the company will use its signature aluminium. To cope with the anticipated increase in demand, Alitex has invested in a second Italian-built Emmegi Satellite XT five-axis CNC machining centre with moving gantry structure, worth £425,000. Alitex estimates that the new machine will reduce machining times by up to 30% and has calculated a process which used to take up to two hours can now be completed in as little time as 12 minutes.
For further information www.emmegi.com

Jobs saved

Almost 750 jobs have been saved at engineering firm Covpress after it was bought by the international industrial group Liberty House. The deal ends a period of uncertainty at the vehicle pressings and assemblies manufacturer in Canley, which had been in administration since September last year. Covpress, which will be renamed Liberty Pressing Solutions, will now sit alongside Liberty Industries Group, part of Liberty House Group, which already has 17 engineering businesses employing more than 1000 people.
For further information www.covpress.com

JCB wins $142m US Army order

JCB has started 2017 by winning one of the biggest single orders in its 71-year history – a $142m deal to supply the US Army with more than 1600 light-capability rough terrain forklifts for deployment on tasks around the world, including loading and unloading aircraft and shipping containers. The new 527-58M forklift is engineered from JCB's range of commercial Loadall telescopic handlers – a machine which this year celebrates 40 years in production.

The 527-58M will be produced at JCB's North American headquarters in Savannah, Georgia, and will be powered by the 63 kW JCB DieselMax engine manufactured at JCB Power Systems in Derbyshire, UK. With a travel speed of 33 kph, the machine has a maximum lift capacity of more than 2.26 tonnes and a lift height of 5.8 m. It has been marinised to meet the operational needs of the services during wading and fording.
For further information www.jcb.com

Best of British engineering unveiled

Talented engineers and innovative companies have beaten off stiff competition to make the final of the Semta Skills Awards, which honour the best in British Engineering. Hundreds of nominations from across nine award categories have been shortlisted to just 27 by an independent industry panel of judges. The Semta Skills Awards are to be held at London's Hilton Hotel, Park Lane, on 8 March, where they will be hosted by BBC Breakfast's Steph McGovern. Some 12 companies, 10 men and five women will now do battle to be named the winner of their category with one finalist being named the overall 'Best in British Engineering'.
For further information www.semta.org.uk/skillsawards

2036 apprentices in training at BAE

BAE Systems says it is currently training an unprecedented 2036 apprentices across its UK-based defence and security businesses – equivalent to around 6% of its 34,000 UK employees. This is the largest ever number in the company's history, surpassing an original target to train 2000 apprentices in 2018. Furthermore, BAE Systems has announced plans to recruit an additional 574 apprentices to join in September 2017. Some 293 apprentices will join the Barrow shipyard to work on the new Dreadnought class submarines and the four remaining Astute class submarines, for instance.
For further information www.baesystems.com

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AUCTION SPOTLIGHT

● New England is conducting an online auction of machinery from Cab Automotive which is no longer required in its ongoing business at Tipton, UK. Lots include: a Bystronic Bysprint 3015 CNC laser profiling centre with 4 kW resonator and sheet handler; and a complete powder coating line with five-stage pre-treatment and drying oven. The sale closes from 14:00 on 25 and 26 January. **+44 (0)121 544 9867 www.newengland.co.uk**

● Peaker Pattinson is facilitating its online January collective auction, which includes lots such as: a Ping Jeng CNC-1040 CNC turret mill; a Jones & Shipman 540 surface grinder; a Huron NU4 universal milling machine with DRO; a TOS Kurim FNK25A turret mill with DRO; a King Rich KRV200 turret mill with DRO; a Midsaw vertical bandsaw; a Broadbent heavy duty gap bed lathe with DRO; and a Colchester Mastiff 1400 gap bed lathe. Viewing at various UK sites is on 24 January by appointment. Bidding closes on 26 January. **+44 (0)1778 590111 www.ppauctions.com**

● 1st Machinery is hosting an online auction of machines used previously by Blagbrough Engineering, Telford UK. Lots include: a Kia Turn 21 with tailstock; a Hardinge Cobra LC with barfeed; a Mori Seiki SL5a; a Hurco BMC30 VMC; a Kitamura Myturn 208; an Addison SH-330BR Jubilee horizontal bandsaw; a Colchester Master; and a Lancer Boss RH20L forklift. Assisted viewings only. Open day date to follow. Auction date is 26 January at 15:00. **+44 (0)2476 992205 www.1stmachineryauctions.com**

● Rabin is staging an online auction of a complete manufacturing facility for refrigerators and freezers (400,000 pieces per year operating capacity) used previously by Candy Group, Podborany, Czech Republic. Lots include: sheet metal blanking and bending lines; automatic powder coat systems; thermoforming for inner door and cabinet liners; machine tools; hydraulic presses; metal shears; and a large amount of production line dies and tooling. Viewing is by appointment. Auction closes on 31 January. **+1 415 522 5700 www.rabin.com**

● Cottrill & Co is holding phase 2 of an online auction of CNC machines used previously by MGM Precision Engineers. Lots include: a Doosan VTS 1620M vertical CNC lathe; a Doosan Puma 480L CNC turning centre; two Doosan Puma 2600SY CNC turning centres; a Doosan Puma 2600 CNC lathe; a Mazak H630 six-pallet CNC horizontal machining centre; a Churchill PBX universal grinder; and a Cincinnati universal grinder. Bidding ends on 31 January and 1 February at 13:00 and 15:00 on each day. **+44 (0)121 328 2424 www.cottandco.com**

UPCOMING FEATURES

30 January
CNC lathes and turning centres

6 February
Bending and forming

13 February
Tooling

20 February
EDM

SELECTION OF CNC & CONVENTIONAL MACHINE TOOLS

Stock No.28337 - HANKOOK VTC160E Vertical Turning Centre with Fanuc 31i – Model A Control. Year 2011

Stock No. 28194 - KURAKI KBM 11X-P 5-Axis Twin-Pallet Horizontal Boring & Milling Machine. Fanuc 16i-MB control. Year 2003

Stock No. 28343 - HURCO TM10 CNC LATHE WITH MAX CONTROL. Year 2012. Maximum Cutting diameter 450mm.Traverses XYZ: 250 x 750mm Spindle Speed 3500rpm. Spindle Motor Power 29kW.

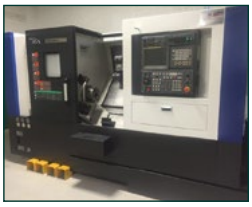
Stock No. 28341 - HURCO MODEL VM30I VERTICAL MACHINING CENTRE WITH MAX CONTROL. Year 2015. Table size 1321mm x 508mm. X/Y/Z travels 1270mm/508mm/508mm.Table load (max) 544kgs.

Stock No. 28295 - HAAS VF-6D SE Vertical Machining Centre. Parts probing, extended Z-axis. Year 2008

Stock No.28242 – HURCO TM6i CNC Lathe with Multifeed MV-65 Barfeed. Year 2015. Max. cutting diameter 215mm.

Stock No. 28206 - MAZAK Quick Turn Nexus 250-II CNC Lathe. Mazatrol Matrix Nexus control. Year 2007

Stock No. 28339 - CINCINNATI 1012 Auto Shear. Capacity 12' x 10swg . Recently fully rebuilt with Siemens Simatic Touch Screen NC Backgauge



Stock No. 28188 - HYUNDAI Wia L230LMSA Slant Bed CNC Lathe with C Axis & Driven Tooling.Fanuc 32i. Year 2014

Stock No.28294 - WEBSTER & BENNETT 54"EV Elevating Rail Vertical Borer with Pendant Control and DRO

Stock No.28344 - UNION BFT 90/3-2 Table Type Horizontal Borer with 3 Axis DRO. Year 1989.Spindle dia.102mm.

Stock No.28322 – WEBSTER & BENNETT 72" EH Elevating Rail Vertical Boring Machine. Table dia. 72".

Stock No. 28134 - MORGAN RUSHWORTH PBXS CNC 4100/300 Hydraulic Downstroking Pressbrake.

Stock No. 28195 - WOHLENBERG B800P Heavy Duty Deep Hole Borer. 100 HP

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HURON MU6 UNIVERSAL MILLING MACHINE With 3 axis DRO

KEARNS RICHARDS SE 125 HORIZONTAL BORER Spindle Diameter: 125mm. Table Area: 1500 x 1800mm

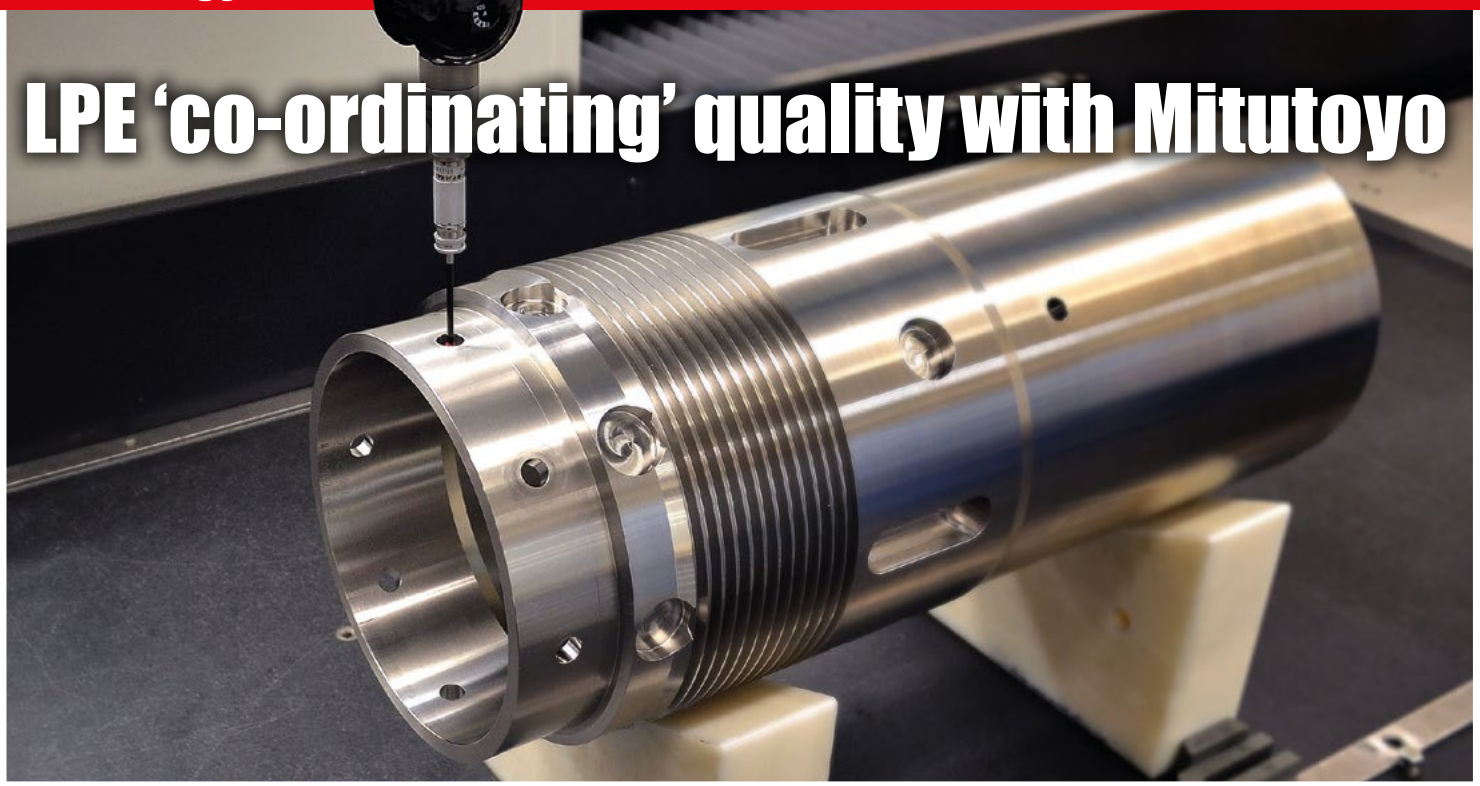
HERBERT 12B Long Bed Combination Turret Lathe Max. distance chuck to turret face: 3090mm

DURMA 100 TON X 3050MM (3 AXIS) CNC PRESSBRAKE Year: 2013

Email: mti@taysidemachinery.co.uk

176 Perth Road, Dundee, UK DD1 4JS

LPE 'co-ordinating' quality with Mitutoyo



To make full use of today's advanced CNC CMMs, progressive manufacturers are now employing techniques such as offline programing and linking multiple CMMs into their manufacturing software systems. One such company is Lymington Precision Engineers (LPE).

The mainstay of LPE's inspection functions are its 14 Mitutoyo CMMs, including the company's latest acquisition, a Mitutoyo Crysta-Apex-S122010. LPE's CNC manufacturing capabilities run in parallel with the offline programming of its CMMs. Here, the use of virtual offline MCosmos-3 software allows the utilisation and investigation of CAD models, resulting in data files that can be converted into program code.

Inspection programming is carried out concurrently with manufacturing to enable lead-time reduction. Additionally, LPE staff perform online programming of CMMs, enabling accurate measurement of any component in real time using a 3D CAD model or an engineering drawing. This provides the capability to compare actual measured results against the CAD model and drawings.

"All of our CNC CMMs are also DNC linked to our main server for record and program retention," says quality director Daryll Harris, who adds that the Crysta-Apex-S122010, was "purchased to accommodate larger, high precision parts".

The integrated thermal compensation system on the Crysta-Apex-S122010 enables measurement at temperatures varying between 16 and 26°C, by automatically calculating and presenting measurement results as if they were made at the standard reference temperature of 20°C. This has been designed to work even when temperature gradients of 1 K per metre and per hour are experienced. Optional active vibration damping is also available, making it possible to locate the CMM close to a production line.

For further information
www.mitutoyo.co.uk

Productivity boost for tool manufacturer

Padley & Venables, a Sheffield-based manufacturer of construction tools, has recently invested in two Doosan Puma 3100M turning centres, a robot loading system and Digilog metrology equipment from Blum Novotest. The new production cell is dedicated to manufacturing numerous families of steel drilling rods and connecting rods for the rock drilling industry on a 24/7 basis. Although the robot has eliminated the need for an operator to load and unload the Doosan machines, the company would have still required an operator in the cell to check the finished parts.

"Without the Digilog, we wouldn't be able to run the process as a robotised cell, as the operator would have to be present to put a gauge on every single component, checking they conform to our stringent quality demands," says quality manager Steve Foster. "With the Digilog, the probe checks that the part is within tolerance. If the part has been manufactured to specification, the machine continues. If not, the probe stops the machine and alarms the operator to investigate further; the Digilog software shows where the problem has occurred on the integrated touchscreen."

Also attached to the Doosan turning centre is the Blum Contour Scan (BCS) 3.0 software, which is displayed on an industrial Windows-based PC. The BCS software shows the operator two individual displays and two sets of results. One screen gives the customer the nominal values, along with the details of the part that has just been machined, while the second shows the current scanned result against the pre-set wear and extreme limits. This enables the operator to pre-empt tool breakages and help prevent the occurrence of faulty parts.

For further information
www.blum-novotest.com

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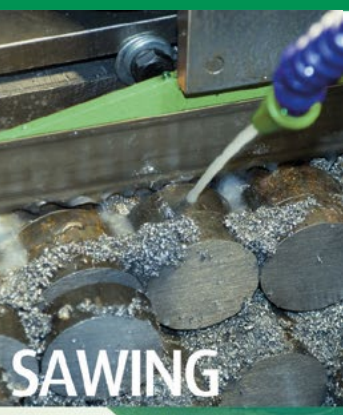
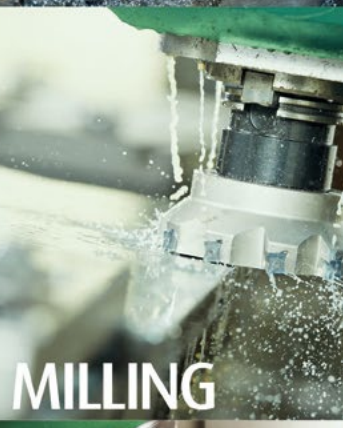
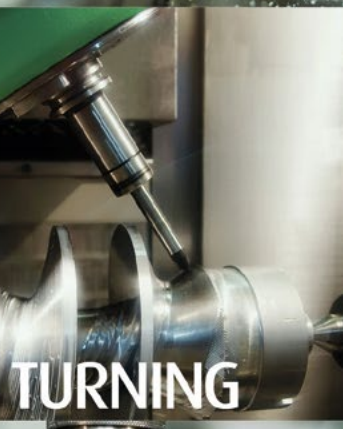
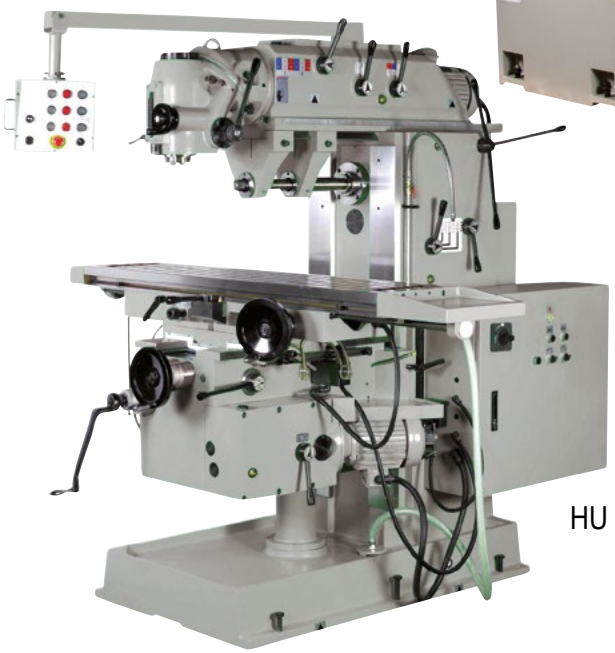






HU530X2200 VAC Lathe



HU 25 UMP-4 Mill

HU 50 ZTI Drill

HU 810 C Bandsaw

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Laser scanner achieves ROI inside a year

Quality Needles, a medical needle producer based in Noida, India, is using a Nikon Metrology LC15Dx CMM laser scanner for inspecting its in-house manufactured tools. The company produces over 2500 different types and sizes of regular eye, spring eye, drilled end and atraumatic needles in large quantities.

"After recently upgrading our production facilities, including the introduction of a five-axis CNC machining centre, our previous manual measurement methods using calipers, micrometers and other techniques could not cope with the increased throughput," says general manager Anchan Mago. "As a result, we set out to find a method which could not only increase measuring productivity, but also introduce a higher level of precision and repeatability. The Nikon Metrology LC15Dx offered superior insight, which results in the ability to manufacture complicated parts much more easily."

With Enhanced Sensor Performance (ESP3) technology, the LC15Dx provides a probing error of just 1.9 µm, which is comparable to tactile probing accuracy, says Nikon. ESP3 maintains accuracy, speed and data quality by adapting the laser settings for each measured point in real-time, which is necessary to cope with shiny surfaces and varying reflections. Point clouds generated during inspection routines are compared to original CAD models, with coloured deviation plots indicating where errors have occurred.

Nikon supplied its Altera CMM with an SP25 scanning probe, as well as the LC15Dx laser scanning head. Mago says that the increase in productivity and quality helped the company to recover the capital cost of the metrology solution within one year. "Needle quality has improved and productivity has increased by 3.1%," he concludes.

For further information
www.nikonmetrology.com

Range of black granite products introduced

Midland Metrology has announced the introduction of a range of brand new black granite products. The company can supply granite tables and surface plates, granite squares and tri-squares, straight edges, vee blocks and parallels. A large supply is in stock ready for delivery.

Since its formation by current managing director Bob Coles in 1988, Midland Metrology says it has been providing a 'total service to industry'. The company has established a reputation for providing the most suitable measuring machine for the application presented, stocking optical profile projectors, CMMs, hardness testers and various other inspection, test and calibration tools.

"We are specialists in metrology, selling both new and used equipment," says Coles. "Our laboratory also provides a comprehensive inspection service for the measurement of customer components, which includes detailed spreadsheet reporting."

The company offers a calibration service from its 4000 sq ft premises, which also features a dedicated showroom and dimensional temperature controlled laboratory. Equipment can be bought or sold, and as a concentrated specialist, Midland Metrology says it can source competitively priced solutions from a number of manufacturing brands.

Within the stock is supplied basic equipment such as micrometers, verniers, bore gauging, depth gauges and height gauges. Additionally, the more sophisticated machines and equipment include profile projectors (shadowgraphs), video measuring machines, a full range of portable hardness testers - Vickers, Rockwell and Brinell - CMMs, roundness testers and length machines.

"Profile projectors have always been foremost in our business, but we are now pleased to have expanded this to include our range of video measuring machines and software," says Coles. "Our record of selling to over 50 countries worldwide is an achievement that we as a company are particularly proud of."

For further information
www.midland-metrology.co.uk

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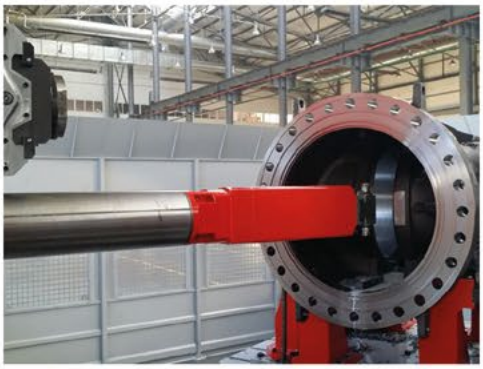
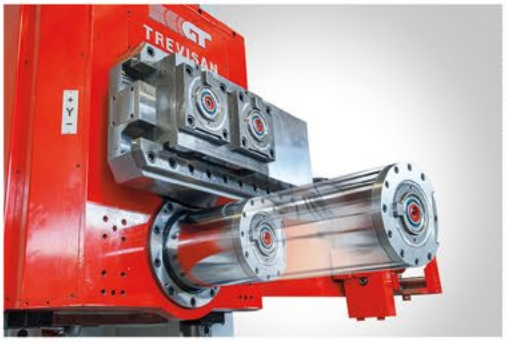
www.trevisanmachinetools.com





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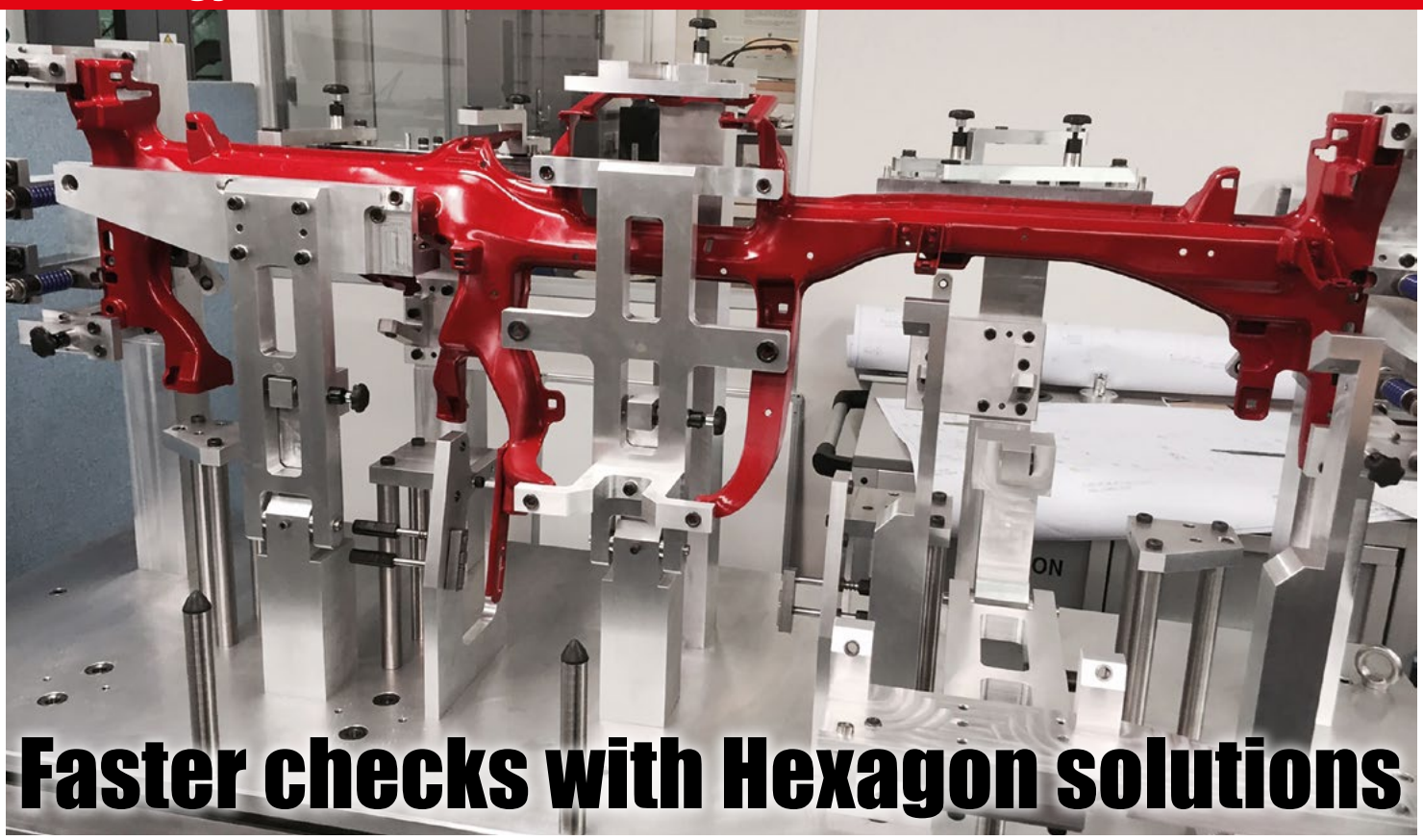

Faster checks with Hexagon solutions

A global die casting company has seen a big boost in productivity thanks to a series of measuring systems supplied by Hexagon Manufacturing Intelligence. Meridian Lightweight Technologies turned to Hexagon for help with its inspection operations after winning new contracts to produce a range of inner and outer body panels for Ford and Jaguar Land Rover.

The Nottinghamshire-based manufacturer initially chose a Hexagon WLS white light scanner and fixturing system for checking the quality of magnesium castings that not only feature complex geometries, but also vary in size from 1-1.8 m.

"The system is ideal as it scans large areas in a matter of seconds," states Emile Jatta, Meridian's programme manager. "Previously, a CMM was used which took hours to acquire the results that the WLS performs in minutes."

The company was so impressed with the advice received from Hexagon's sales and technical support team that it decided to further expand its quality control capabilities at the Sutton-in-Ashfield facility. Meridian recently purchased several Hexagon attribute gauges equipped with measurement probes and go/no-go target gauges, which check parts and report failings either with variable data or pass/fail reports. In addition, Hexagon has supplied a series of interchangeable fixtures which have improved efficiency. They have transformed Meridian's CMM by enabling different components to be changed over without the need to remove the fixture base.

"These fixtures are one of the department's most valuable assets to date as they not only offer exceptional accuracy, but only use a third of the floor space taken up by the previous systems," says Jatta.

For further information
www.hexagonmi.com

Aberlink's Xtreme'ly small CMM hits the road

Aberlink says that the success of its recently launched Xtreme CNC CMM has prompted high levels of demand for practical demonstrations. To enable potential users who are unable to visit Aberlink's regional demonstration facilities to witness the machine in action, the company has manufactured several quarter-sized versions. Aberlink sales representatives are now able to carry the portable technology demonstrators in their cars, visit customer premises and prove the capability and speed of the Xtreme CNC CMM.

The Xtreme is designed with a novel non-Cartesian structure and uses linear motors and mechanical bearings. According to Aberlink, this arrangement ensures that the CMM maintains its accuracy at very fast measurement rates and does not suffer from the accumulative inaccuracies that occur in conventional three-axis Cartesian arrangements.

Aberlink's Xtreme utilises 3D CNC software, which is designed to deliver greater user productivity and profitability. A welcome bi-product of any Aberlink CMM inspection routine is that a simultaneous picture of the measured component is created on the computer screen. Dimensions between the measured features, mirroring those that appear on the component drawing, can then be simply picked off as required. In essence, the software represents an intelligent measuring system that is able to automatically recognise and define the various features being measured.

For further information
www.aberlink.com

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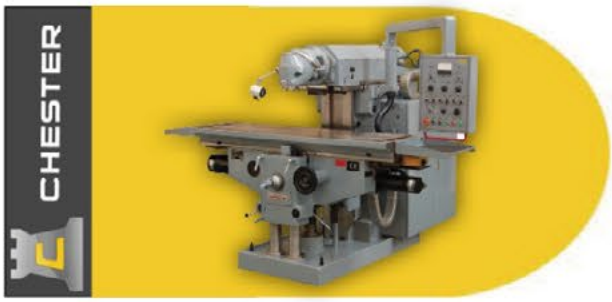

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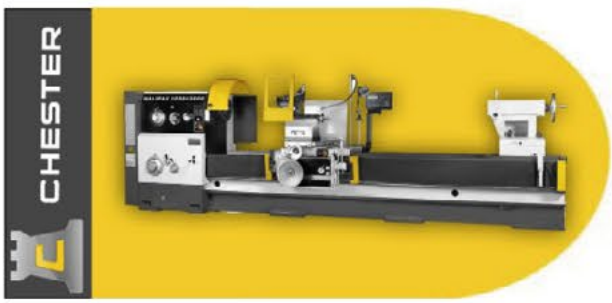

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Ex Stock UK

- Swing Over Bed: 1030mm
- Centre Distance: 3,000mm
- Spindle Bore: 105mm
- Spindle is Dynamically Balanced
- 11kW Motor

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Koenigsegg hits top speed with Creaform

Ängelholm, Sweden-based supercar manufacturer Koenigsegg Automotive AB recently sought to optimise quality control in the engineering and production of its cars. Like many before, the company used a portable measuring arm to perform component measurement, together with the set-up of fixtures and reverse engineering of components. The company says that the frequent functional downsides of such measuring systems saw it turn to Creaform's quality control solutions to streamline its design process, right down to the final assembly of the car.

"We wanted something that would be more flexible and fit in with the way we work, rather than the other way around, and Creaform fitted the bill perfectly," recalls technical director Jon Gunner.

With over 300 hand-formed carbon fibre parts in every car, it was mandatory that the quality control equipment be able to effectively scan on dark and highly reflective surfaces. These surfaces are the most challenging surfaces to scan as light is absorbed by dark objects and shiny surfaces create noise during analysis. However, Creaform has developed portable scanning solutions that are specifically engineered to overcome these issues. Moreover, the company has optimised its 3D scanner performance levels on shiny surfaces in its latest MetraScan3D scanners.

MetraScan 3D scanners, offered by Measurement Solutions in the UK, can achieve more accurate results at 12 times the speed with its seven laser crosses, says Creaform. Paired with the HandyProbe portable CMM for single point measurements, Koenigsegg engineers can now rapidly adjust jigs and inspect production parts to get extremely quick feedback on the quality of the company's production line.

For further information
www.measurement-solutions.co.uk

Scanning inspection system introduced

CyberOptics has launched its latest 3D scanning inspection system, CyberGage360, into the European market. The company says that with just one button, a precise 360° 3D scan of complex parts along with a full 3D inspection report can be generated in less than three minutes. According to CyberOptics, little training is required, so anyone can check critical features and deviations from CAD.

"We are excited to unveil the CyberGage360 to the European market," says Sean Langbridge, global sales director at CyberOptics. "The product facilitates quality assurance by enabling any employee to be an inspector of in-process QA and incoming/outgoing parts, whether on the shop floor, in the metrology lab or engineering environment. Customers will benefit greatly from substantial reductions in the development cycle and time-to-market."

Designed for use in general purpose metrology, the CyberGage360 has a range of potential applications for aerospace, automotive, medical and other vertical markets, where high accuracy and high speed throughput are vital. Incorporating CyberOptics' proprietary 3D Multi-Reflection Suppression (MRS) technology, the automated CyberGage360 is said to bring greater accuracy and scanning speeds to the industrial parts inspection and reverse engineering markets.

Using CyberOptics' proprietary 3D scanning inspection technology, the company says that customers can speed inspection to less than 3 minutes and generate an automated report of a part comparison to CAD along with critical feature dimensions.

For further information
www.cyberoptics.com

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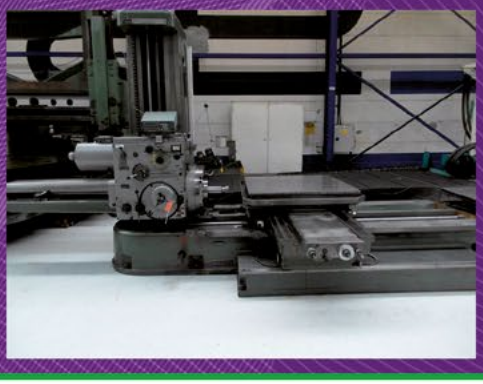

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12.036A Horizontal Boring Mill
UNION BFT 90/3-2, Ø 102 mm
X/Y/Z: 1.500 x 1.600 x 1.200 mm

12.338A CNC Horizontal Boring Mill
MONDIALE HBM 4T, Ø 130 mm
X/Y/Z: 3.000 x 2.000 x 2.000 mm

11.077A Horizontal Boring Mill
UNION BFT125/5, Ø 125 mm
X/Y/Z: 2.500 x 2.800 x 2.000 mm

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MONDIALE HBM 3, Ø 110 mm
X/Y/Z: 2.000 x 1.700 x 1.400 mm

11.070A CNC Horizontal Boring Mill
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Ø 230 mm, Cap.: Ø 970 x 2.200 mm

12.138CM Conventional Lathe
MONDIALE NORDIC 860 3M
Cap.: Ø 860 x 2.300 mm

11.772CE Conventional Lathe
POREBA TR 100 6M, Rebuild
Cap.: Ø 1.050 x 6.000 mm

11.945C Heavy Duty Lathe
MERLI CLOVIS 70 , Ø 205 mm
Cap.: Ø 1.800 x 5.000 mm

12.254C Heavy Duty Lathe
TACCHI FTC 71
Cap.: Ø 1.420 x 15.000 mm

11.946C Heavy Duty Lathe
POREBA TCG 200 18M
Cap.: Ø 2.000 x 18.000 mm

12.187CT Heavy Duty Lathe
TACCHI FTC 100
Cap.: Ø 1.800 x 16.000 mm

11.414C CNC Turning Milling Centre
HEYLIGENSTAEDT HN 350U, 4000 FLEX
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12.395C CNC Lathe
POREBA TRP 110 MN, Siemens 840D
Cap.: Ø 740 x 6.000 mm

11.950CM Teach In Lathe
GEMINIS GE-5-1000S, Fagor 800T
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gear width 3000 mm

Gear Testing Machine
KLINGELNBERG PFSU 1200 HP
No. **07712** new in: 1983/2001
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gear width 300 mm

Thread-Worm-Grinding-Machine
REISHAUER NRK
No. **11618** new in: 1970
thread dia. max 200 mm
threading lengt 450 mm
thread pitch 0,3 - 80 mm

Bevel Gear Generator - Straight
MODUL ZFTK 500 x 10/I
No. **13503** new in: 1978/2015
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tooth width 71 mm

Gear Hobbing Machine - Vertical
PFAUTER P 2001-3000 CNC
No. **12370** new in: 1984/2006
max. wheel diam 3000 mm
gear width 1200 mm

Gear Shaping Machine
CUGIR MD 631
No. **10722** new in: 1991/12
max. wheel diam 630 mm
gear width 200 mm

Cold Rolling Machine
GROB ZRMe 12
No. **07674** new in: 1983/96/05
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workpiece diame 340 mm
workpiece lengt 1000 mm

Rotor Milling Machine
HOLROYD 5 AC
No. **14010** new in: 1989
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hobbing length 1700 mm
clamping length 1740 mm

Gear Hobbing Machine - Vertical
PFAUTER P 1250
No. **10589** new in: 1960/2012
max. wheel diam 1250 mm
gear width 580 mm

Gear Shaping Machine
LORENZ LS 400
No. **12204** new in: 1979
max. wheel diam 400 mm
gear width 70 mm

Vertical Turret Lathe - Single Column
TOS-HULIN SKIQ 12 CNC B
No. **09492** new in: 1995/11
faceplate diame 1250 mm
swing diameter 1500 mm
turning height 1785 mm

Gear Hobbing Machine - Horizontal
GLEASON-PFAU P 400 H x 4000 CNC
No. **11178** new in: 2013
max. wheel diam 440 mm
gear width 4000 mm

Gear Hobbing Machine - Vertical
PFAUTER P 2500 B
No. **11748** new in: 1974
max. wheel diam 2500 mm
gear width 1050 mm

Gear Shaping Machine
STANKO 5 M 150 P
No. **08389** new in: 1989
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gear width 170 mm

more information and technical details: www.kemmerich.biz

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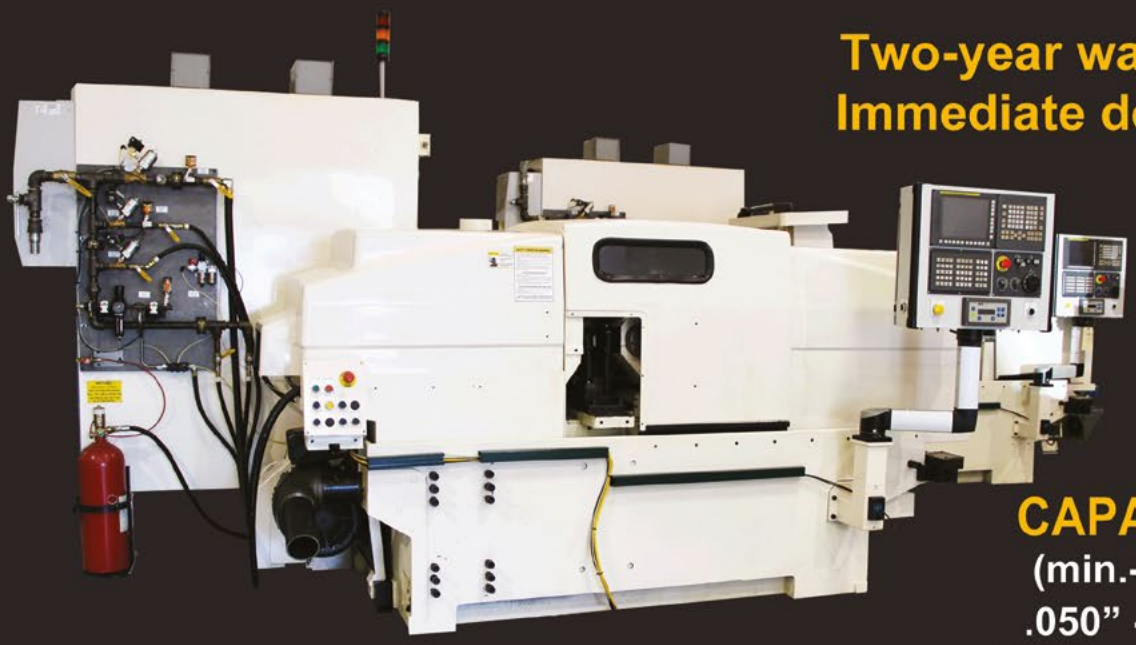

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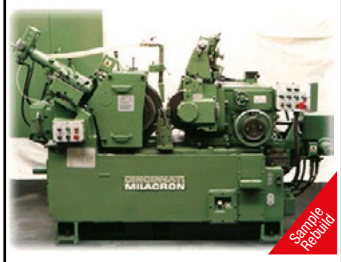

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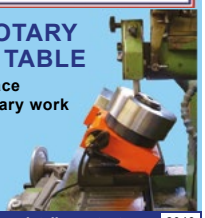

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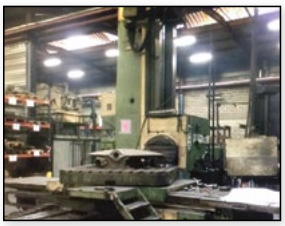
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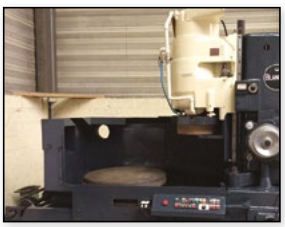
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Inter-Plast Andrzej Bodziachowski company was established in 1995 and is one of the biggest companies in Poland selling used CNC metal working machines. In 2013 was established a daughter company Inter-Plast Z.Bodziachowska-Kluza which continues the current company profile. 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*

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CNC Vertical Machining Center
HARFORD VMC 3060 SG
index head
Year of production: 2002
CNC FANUC 18 MC
X: 3 060 mm
Y: 800 mm
Z: 620 mm

CNC Vertical Machining Center
DAHLIH DL - DMV 800
2 pallet
Year of production: 2005
CNC FANUC 0i-MC
X: 800 mm
Y: 560 mm
Z: 560 mm

CNC Lathe
RAVENSBURG KL- 3-800
tailstock, swarf conveyor
Year of production: 1988
CNC SIEMENS 8T
Turning diameter over bed 1 400 mm
Turning length 3 500 mm

CNC Lathe
MAZAK SQT 200 M
driven tools, tailstock, bar magazine
Year of production: 2001
CNC MAZATROL 640 T
Turning diameter: 300 mm
Turning length: 540 mm
Spindle bore: 51 mm
Revolver head: 12 pcs
Range of spindle speeds: 5000 rpm

CNC Lathe
TORNOS BECHLER DECO 13 B/BI
Driven tools, sub-spindle, C axis, bar magazine
Year of production: 2000
CNC FANUC PNC DECO
Max bar diameter: 13 mm
Turning length 160 mm

CNC Lathe
DOOSAN i330
vertical, 2 machines in set
CNC FANUC 18 iT
Turning diameter over bed: 400 mm
Max turning diameter: 330 mm
Turning length: 250 mm
X travel: 710 mm
Z travel: 260 mm
Spindle r.p.m. range: 4 000 r.p.m.

CNC Boring Machine
TOS WHN 13.8
Year of production: 1998
HEIDENHAIN TNC 426
X: 3500 mm
Y: 2500 mm
Z: 1250 mm
W: 800 mm
B: 360°

Boring Machine
JUARISTI MDR 130 CM
Machine modernization: 2005
digital read outs HEIDENHAIN
X: 10 000 mm
Y: 2 730 mm
Z: 920 mm
W: 850 mm

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CNC Laser Cutting Machine
BYSTRONIC BYSTAR 3015
2 exchangeable tables
Year of production: 2002
CNC BYSTRONIC
Laser power: 4 200 W
Table working surface: 3 000 x 1 500 mm

CNC Laser Cutting Machine
LVD IMPULS 6020
2 exchangable tables
Year of production: 1996
CNC FANUC 160i-C
Laser power: 3 000 W
Table: 6 250 x 2 050 mm

CNC Laser Cutting Machine
FINN POWER FPL 6-A
2 exchangeable tables
Year of production: 2003
CNC SIEMENS 840 D
Laser power: 3 500 W
Table working surface: 3 000 x 1 500 mm

CNC Waterjet Cutting Machine
BYSTRONIC BYJET 4022 BYPUMP 50 APC
Year of production: 2004
Bed size: 4000 x 2200mm
Max. wight on table: 7000 kg
Electrical power: 52 kW

CNC Folding Machine
FASTI 221-25-3
Year of production: 1999
CNC FASTI FM2
Max sheet thickness: 3 mm
Bending length: 2 540 mm
Folding material size: 3 x 2 540 mm
Motor power: 4,5 kW
Machine weight: 3 400 kg

Heavy Bending Rolls
SERTOM 1-EMO 30/15
3 rolls
Year of production: 2000
PLC SERTOM
Bending length: 3 000 mm
Max sheet thickness: 15 mm
Table with rolls: 4 600 x 2 100 mm

Shear
AFM FABTEK MK 13-31
Year of production: 2000
NC FABTEK
Cutting thickness: 13 mm
Cutting length: 3 100 mm
Weight: 12 000 kg

CNC Horizontal Machining Center
AB MARWIN AUTOMAX II
2 pallets
Year of production: 2001
CNC FANUC 150iM
X: 3 400 mm
Y: 1 350 mm
Z: 760 mm
A,B: +/- 45°

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Used Harrison Alpha 400 Plus Gap Bed Centre Lathe
400mm dia swing x 1250mm between centres. Parat toolpost. Choice of 2 machines

Used HAAS ST30T CNC Turning Centre
533mm max cutting dia x 660mm max turning length. 76mm bar capacity, Installed 04/2014

Used Dugard Eagle 1000 VMC
1020 x 520 x 510mm, BT40, 1200 x 510mm table with 600Kg load. Fanuc 0iMC control, 2005

Used Bridgeport VMC600XP VMC
600 x 410 x 520mm travels, 840 x 420mm table. BT40. 500kg table load. HEIDENHAIN 410 control

Used HAAS SL30T CNC Lathe
432 x 813mm capacity, 0 - 3400rpm spindle with 76mm bore, swarf auger & tool presetter. 2005

Used HAAS SL20 CNC Lathe
262mm max mach dia x 51mm bar x 508mm max turn length. Choice of 3 machines. 1 x 3 axis, 2 x 2 axis

Used Colchester Tornado T10M CNC Lathe
80mm barfeed capacity, 3 axis with live tooling, parts catcher, magazine barfeed. Fanuc 21iTB. 2008

Used Hardinge Talent 6/45 CNC Lathe
45mm spindle bore, 381mm max turning length, collet chuck & parts catcher. Fanuc 0iTB CNC Control

Used Colchester Tornado 310 CNC Lathe
300mm max mach dia x 80mm bar x 600mm max turn length. Choice of 3 machines

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A07 9345 - Haas SL-30 Ø 762 x 1000 mm CNC
Spindlebore: 117 mm - 22 kW on spindle - 3400 rpm
Haas control - 12 VDI tools - C-axis
High pressure cooling

O27 7357- Wean United continuous hot strip mill
8 stands - for carbon & stainless steel
output plate thickness range: 1,5 > 10,5 mm
output plate width range: 600 > 1564 mm

O09 8382 - Arku/Kohler part straightener CNC
High strength part levelling/straightening line for weldox
and hardox pieces - max width: 2000 mm
max thickness: 40 mm

P05 8713 - LVD HST-E CNC shear
cap: 4100 x 13 mm
MNC 10 control - 21kW - Weight: 17 ton

A07 9523 - Ernault Somua , Ø 1200 x 6000 mm CNC
Swing over bed: 1200mm. Swing over cross-slide:
850mm. Distance centre tot centre: 6000mm
Power on the spindle:165 kW

O12 9334 - Finn Power L6 3000 x 1500 mm
5000 Watt - with recuperation and filter system
max steel: 25 mm - with loading system
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O01 9349 - Safan E-Brake 100 ton x 3060 mm CNC
Stroke: 300 mm - Max open: 590 mm
EC10 touchscreen - 11 kW - Weight: 6,5 ton
Servo electronic pressbrake, belt-driven

O01 9195 - Trumpf TrumaBend 230ton x 4250mm CNC
Between columns: 3680 mm - Tasc 6000
Willa tools - hydr clamping - CNC bombation
Enlarged open: 615 mm - Enlarged stroke: 415 mm

P05 9236 - Haco PS 6100 x 20 mm CNC
Foldable backgauge 1250 mm with ballscrews

A07 9528 - Herkules , Ø 1550 x 6500 mm CNC
Swing over bed: 1550mm. Distance centre
tot centre: 6500mm. Command: Siemens.
Total power needed: 800 kW.

O16 8861 - Esab Telerex TXB 8000, 6100 x 40 000mm
Two tables of 20 000 mm, Length of rails: 90 000 mm
Two independant cutting units

V02 8865 - Unique Readco 300 ton positioner
Tabledia: 9500 mm
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Weight: 160 ton

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M04 8862 - Boldrini 1250 ton Dish End Forming
For manufacturing large storage tanks
Stroke: 800 mm - Max open: 2120 mm
Table: 2100 x 2100 mm - Between columns 6200 mm

O01 9414 - Haco HSDY 800 ton x 6100 mm CNC
4 axes: Y1/Y2/X/Z - Bombation - Conical bending
heavy duty tools - graphic control
350 ton on 1 meter length!

P05 3954 - LVD, MVSB 12000 x 20 CNC
Cutting length: 12000 mm
Max sheetthickness st 45: 20 mm
Strokes/min 3/min

B04 9061 - Mecof CS 105A , X: 3300 - Y: 1000 -
Z: 1700mm. Longitudinal travel X-axe: 3300mm
Crosstravel Y -axe: 1000mm.
Travel Z-axe (Height): 1700mm.

A07 9196 - DMG Mori Seiki NT-4250/1500SZ + robot
BT40 - 22kw on spindle - 2 turrets - 2 spindles
Swing over bed: 730 mm - between centres: 1862 mm

A12 8478 - Yu Shine vertical lathe CNC
X: 1675 - Y: 800 - Z: 900 mm
Max turningdia: 2100 mm - 45kw on spindle
Fanuc control - 12 tools BT50

Z.04 5418 - Demag, 64T x 17000cc
Overhead traveling crane
Capacity:64 T. Span: 17 000 mm
Drop: 10 000 mm

B04 9569 - Hedelius CB 70 , X: 3200 - Y: 800 -
Z: 600mm CNC. Longitudinal travel X-axe 3200mm
Crosstravel Y-axe 800mm. Travel Z-axe (Height) 600mm.
Dimensions clamping space - table 3900x750mm

G02 9222 - Rosa PR40 profile grinder CNC
Grindinglength: 4250 mm - Grindingwidth: 950 mm
Grindingstone: dia 450 x 30 mm - 22kW on spindle

O06 8863 - Wilhelmsburger DWV , 4100 x 120 mm
Number of rolls: 3. Roll capacity cold 4100 x 120 mm
Roll dia upside: 900 mm
Dia under roll - side rolls: 870 mm

O04 9431 - Jorns 6020 x 2 mm CNC
Cap steel: 1,25 mm - Cap alu: 2 mm - With rollshear
NC-control: 8 programmable positions for backgauge
+ 8 programmable positions for angle

B06 9066 - Daewoo HKDB 130P duplex boring/milling
Movable table and two spindle heads
X: 8000 - Z: 2000 mm - Table: 7000 x 1300 mm
ISO 50 - 22kW on spindle - 2000 rpm - Fanuc 16M

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PEARSON 8058 2.5m x 16mm hyd shear, PBG, BGA

EDWARDS DD 2.5m x 3.5mm mech shear, BGA, R&PBG

GUIFIL PE 2.5m x 60ton hyd pressbrake, 1 axis, tooling

SHAPE DELTA 1000EB CNC turret punch, 20tons, tooling

BINNS & BERRY TB707 twin gap bed lathe, 2.5m b.c., 354mm c.h., DRO, 3&4 jaw

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- Carriage/Gripper & CNC Saw Backstop
- 3 Spindle Drilling
- 1000mm Bar Width Processing
- Mitre Cut Band Saw
- x36 Station Marking Unit

Ficep F504 PSN A – CNC Plate Punching & Shearing Line – Year 2003 *(STK-1350)*

- 6m In-Feed conveyor • 500mm plate width
- Max 25mm Plate Thickness
- 110Ton Punching Force • 220Ton Shearing Force
- 8 Station Punch Carousel
- In-Feed Cross Transfer Table
- Powered Parts Conveyor • Infra-red Guarding

Ficep 1101 DZB – CNC Drilling & Sawing Line – Year 2005 *(STK-1395)*

- 18m In-Feed / 18m Out-Feed
- Single Spindle Drilling
- 8 Station Tool Changers
1100mm Bar Width Processing
- Mitre Cut Band Saw
- x36 Station Marking Unit

Ficep Victory 11 – CNC Drilling Line – Year 2007 *(STK-1338)*

- 18m Section Capacity
- 980mm Section Height
- Single Spindle Drilling
- Hydraulic Hold-down units
- Drill Coolant System
- Quick Change Drill Spindle

Machine Ref.	Manufacturer	Model	Year	Description	Availability	Category
USSM-STK-1395	Ficep	1101 DZB	2005	CNC Drill/Saw Line (18m/18m) Cross/Transfers	In-Stock	Beams/Sections
USSM-STK-1391	Ficep	1003 DZB	2005	CNC Drill/Saw Line (22m/18m) Cross/Transfers	In-Stock	Beams/Sections
USSM-STK-1338	Ficep	Victory 11	2007	CNC Drilling Line (18m)	In-Stock	Beams/Sections
USSM-STK-1274	Ficep	P803A	2004	CNC Plate Punch/Drill Machine	In-Stock	Plates Punch
USSM-STK-1390	Vernet Behringer	FP400	2001	CNC Drill/Saw Line (12m/12m) Cross/Transfers	In-Stock	Beams/Sections
USSM-STK-1291	Ficep	1001 DX	2003	CNC Drilling Line (15m)	In-Stock	Beams/Sections
USSM-STK-1231	Ficep	PM 1000	1999	CNC Drilling Line (15m)	In-Stock	Beams/Sections
USSM-STK-1350	Ficep	F504 / 8 PS	1999	CNC Plate/Angle Punch & Shear Line	In-Stock	Plates/Angles
USSM-STK-1356	Ficep	F504 / 8 PS (+Drill)	1999	CNC Plate/Angle Punch & Shear Line	In-Stock	Plates/Angles
USSM-STK-1385	Ficep	Tipo C25	2004	CNC Plate Drill / Profile / Punch Line	In-Stock	Plates / Drill / Profile
USSM-STK-1401	Ficep	Tipo B15	2003	CNC Plate Drill / Profile / Punch Line	In-Stock	Plates / Drill / Profile
USSM-STK-1402	Kaltenbach	KDXS1015	2010	CNC Drilling Line (21m/21m)	In-Stock	Beams/Sections
USSM-STK-1374	Kingsland	Multi 125 CNC	2007	CNC Plate Punch / Section Shear (Ironworker)	In-Stock	Plates/Sections
USSM-STK-1404	Ficep	Victory 11	2005	CNC Drilling Line (18m)	In-Stock	Beams/Sections
USSM-STK-1394	Ficep	P51	2011	CNC Plate Punch/Drill Machine	In-Stock	Plates Punch
USSM-STK-1392	Peddinghaus	TDK 1000	1998	CNC Plate Drill / Profile Line	In-Stock	Plates Profiling
USSM-STK-1250	Ficep	P803A	2002	CNC Plate Punch/Drill Machine	In-Stock	Plates Punch
USSM-STK-1398	Peddinghaus	FDB 600	1989	CNC Plate Drill / Profile Line	Ex-Site	Plates / Drill / Profile
USSM-STK-1239	Ficep	1203 DB	2001	CNC Drill/Saw Line (18m/18m) Cross/Transfers	Ex-Site	Beams/Sections
USSM-STK-1403	Kaltenbach	KDS1015 / KBS1010	2007	CNC Drill/Saw Line (18m/18m)	Ex-Site	Beams/Sections
USSM-STK-1268	Ficep	1004 DZTT	2004	CNC Plasma/Gas Coping Line (18m)	Ex-Site	Beams/Sections
USSM-STK-1393	Peddinghaus	FDB 1000	2004	CNC Plate Drill / Profile Line	Ex-Site	Plates / Drill / Profile
USSM-STK-1380	Ficep	1225 DTT	1997	CNC Plasma/Gas Coping Line (18m)	Ex-Site	Beams/Sections
USSM-STK-1381	Ficep	Tipo B20	1999	CNC Plate Punch / Drill / Profile Line	Ex-Site	Plates / Drill / Profile
USSM-STK-1335	Ficep	Tipo D4	2008	CNC Plate/Angle Punch & Shear Line	Ex-Site	Plates/Angles
USSM-STK-1396	Ficep	601 DZB	2015	CNC Drill/Saw Line (16m/15m) Cross/Transfers	Ex-Site	Beams/Sections
USSM-STK-1405	Kaltenbach	KDS1015 / KBS1010	2007	CNC Drill/Saw Line (18m/18m) Cross/Transfers	Ex-Site	Beams/Sections
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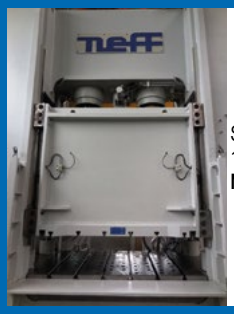

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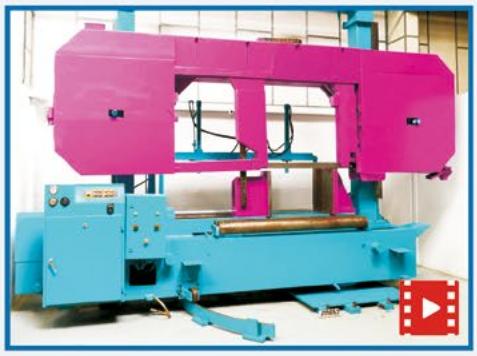
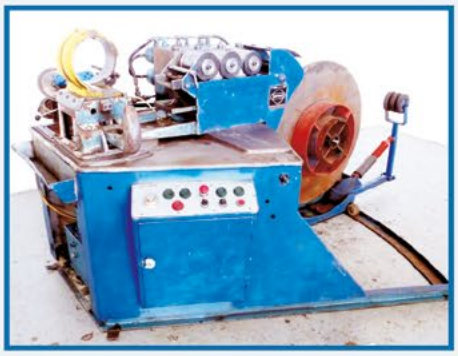
J29967 Schiess Froriep UDBH 4000X36/46 4000mm x 46mm Rolling or 4000mm x 36mm Pre-Bend Bending Rolls

31356 Tos W100 Horizontal Boring/Facing Machine 100mm Spindle with Tailstock



J31652 Sabi Double Column Heavy Duty Horizontal Bandsaw, Mounted on Swivel Base



32282 Spiro MRX Automatic Spiral Duct Forming Machine, Dia.: 80-1250mm, Thickness: 0.4-1mm

J32195 Edwards Pearson VR3050/10 3000mm x 10mm Hydraulic Guillotine with Cybelec DNC 10 Control

J31978 Pearson 300 ton x 12'3" / 3734mm Hydraulic Downstroke Press Brake

J32259 Gurutzpe Super BT 6000mm x 800mm Heavy Duty Centre Lathe, Swing Over: Bed 1600mm, Cross Slide 1260mm

31436 Webster & Bennett EV 72" 1829mm, Vertical Borer, Elevating Rail

32025 Hare 10 ton C Frame Hydraulic Vertical Press

31752 Asquith OD1 MK II 2438mm Radial Drill, No. 5 Morse Taper

31115 Faccin RCMI 150 150mm x 150mm x 15mm Hydraulic Double Pinch Section Bending Rolls

32304 Edwards Truecut 1300mm x 6.5mm Hydraulic Guillotine/Shear

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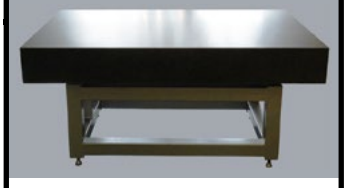

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The machine must have capability of Rotary and making holes on profile and pipes and it has the capability to cut stainless steel up to 6mm thickness.

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- **FABRICATION:** Edwards Besco Truecut Guillotine, 48in; Bending Rolls inc Edwards Powered, 48in; Edwards Manual, 48in; Folders including Edwards Besco Truefold, 48in; Rhodes Manual, 48in; Edwards Box and Pan, 48in; 4 Edwards 24in; Edwards Powered Swager; 3 Oweld Welding/Brazing Sets; Harrison Toolroom Lathe
- **PROCESS PLANT:** Range of Unused and Used Electric Motors; Pumps; Fan Sets; Control Panels; Transformers; Cable; Bearings; Inverters; Allen Bradley Controls
- **CONSTRUCTION PLANT:** Dimas TS500M Stone Cutting Saw; 2 Clipper C99 Road Saws; Wacker Compactor; Breaker; Welding Gen Set; Space Heaters, etc
- **COMPRESSORS:** Atlas Copco GA18P and GA11 Packaged; Ingersoll Rand SSR MLII Packaged; Air Dryers; Air Receiving Tanks
- **FORKLIFTS:** Komatsu FG25T-IILE LPG, 2500kg; Yale GLP18VX LPG, 1800kg; Pallet Lifter; Pallet Trucks; Sack Carts, etc
- **COMMERCIAL VEHICLES:** Ford Transit 350 Double Cab Tipper, '09' 09; VW Transporter T28 SWB Van '57' 07; Vauxhall Movano MWB Van, '56' 07; Ford Transit 350 MWB Van '06' 06; Ford Transit 300 SWB Van Bio Fuel, '04' 04

BIDDING ENDS: FROM 10.00AM WEDNESDAY 1 FEBRUARY 2017

VIEW: TUESDAY 31 JANUARY 2017 BETWEEN 10.00AM AND 4.00PM

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Sale closes: From 14:00 8th February 2017
Location: Lancashire, UK

- **3x Sandretto Serie Nove HP485-2650 Injection Moulders (Year 2007). With Dalmachio Robots**

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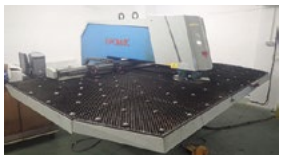
JANUARY COLLECTIVE ON-LINE AUCTION SALE

By order of: Various Aerospace & Precision Engineering Companies
VIEWING: TUESDAY 24th JANUARY 2017 - by appointment only
At: Eng-Tech (PGP) Ltd & other UK Sites inc: PP Saleroom

ON–LINE AUCTION DATE: THURSDAY 26th JANUARY 2017



MACHINE TOOLS: Gleason 641 G-Plete hypoid spiral bevel gear generator. Mazak Super Quick Turn 28M CNC turning centre **(1996)**. Okuma LR15-M CNC turning centre. Ping Jeng CNC-1040 CNC turret mill **(1997)**. Arboga Maskina FR125S radial arm drill. Morris Mor-Speed radial arm drill. Qualters & Smith QDM500 twin spindle drill. 2x J&S 1310 universal grinder. J&S 1300 cylindrical grinder. Elliot RapiGrind 8-20 & Elliot 1018 surface grinders. J&S 540 & 540P 540P surface grinders. Studer RM250L cylindrical grinder. J&S 310 tool & cutter grinder. Masterlap double ended lapper. Huron NU4 universal milling machine. 2x King Rich KRV200 turret mill **(1992)**. Bridgeport turret mill. TOS Kurim FNK25A turret mill. Chen Ho CHV1500 turret mill **(1992).** TOS FGV-40 universal milling machine. 2x Midsaw vertical bandsaws. Startrite H200W & Jaespa W260 horizontal bandsaw. Tyro R02.15LAB cutting panel saw **(2004)**. Invicta 2MR / 4MR horizontal shaper. Broadbent heavy duty gap bed lathe. Colchester Mastiff 1400 & Master gap bed lathes. Harrison M300 gap bed lathe. Harrison 16" centre lathe. Boxford 250 Industrial lathe. DSG 13x30 lathe. 2x Gryphon powered slitting saw. Qty small tooling & inspection equipment.

SHEET METAL / WELDING / PRESSING: Euromac MTX1250/30 CNC turret punch **(2002)**. HM 818 & Comaca corner notcher. Edwards manual folder. 3x Esab Mig4001i mig welder. Miller SRH 444 DC Arc welder. Nexus NXM400 mig welder. Triangle 'Oil 120' arc welder. Astonarc 180 oil cooled electric welder. Oxford RT 180 arc welder. SWP 300degC electrode oven. Bradley & Turton 4 column hydraulic block press. Manual lever press. 25 ton capacity Garage press. J&S manual column press. Tubela 3 tube bender. Irwin Hilmor UL223 pipe bender. Ridgid 2" pipe bender. Rotostock 2" pipe threader. Qty various welding screens, torches, gauges etc

LABORATORY / INSPECTION: Kilns & Furnaces Crusader SHLME3250 SP shuttle furnace. Brown & Sharpe Microexcel PFX4.5.4 CMM **(1999)**. Zoller Smile 400 VSM400-00813 tool pre-setter **(2005)**. Avery 6502 CGB weighing tensile tester. Amsler 6553 tensile tester. Vickers PBA 6111 wire machine. Buehler / Metaserv Pneumet II mounting press. 2x Vickers hardness tester.

FACTORY PLANT / MISCELLANEOUS: 'L' shape freestanding mezzanine. Hyster S150 gas forklift truck. Caterpillar V90F gas forklift truck. Ifor Williams twin axle towable trailer. Daxara 127 trailer **(1999)**. Ford Transit 90 T350 tipper. CompAir Broomwade BW4L compressor. Broomwade WP150 compressor.

MWS LCP1313 digital platform scales. Wheelabrator waste water recycling tank. Unimaster UMA 252 G5 extraction unit. AJM 64 32 comport robotic handler. 3x Tefkin, IMI electrically heated paint application barrels. 670x330x440mm shot blast cabinet. Omega 4203/SP attrition unit **(2014)**. 250kg SWL mobile A frame. 3500x3000mm A frame. KB 4300 40ft container. Forkable manual cage. Keyloc PHT HM27 lift truck **(1993)**. Brodrene Vestergaard A/S EHS-14 lift truck **(1991)**. 2x Kemper Filter Master 64120 & 2x Elektra Beckum SPA1100 extraction units **(to 2008)**. XL Lift 2000kg pallet truck. Andrews G260 & G063 gas fired factory heaters. Clarke Strong Arm engine hoist. Qty maintenance / factory equipment inc: hand tools, power tools, tressells, bearings, chain hoists, work tables, benches, trolleys, hydraulic pipes, industrial fans, clamps, motors, pumps, safety steps, mats, stillages, tiles, bottle / sack wheel, storage cabinets, factory heaters etc. Qty office / IT equipment. Over 200 lots electronic test equipment inc: power supplies, analysers, generators, oscilloscopes, test sets, miscellaneous test equipment, components etc.

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ON-LINE AUCTION SALE

By order of: Penn Elcom Ltd due to a continuing investment programme
VIEWING: TUESDAY 14th FEBRUARY 2017 - by appointment only
At: 9-10 Parsons Road, Parsons Ind. Est., Washington, Tyne & Wear, NE37 1HB.
& At: Philips House, Drury Lane, Ponswood Ind. Est., St Leonards-on-sea, East Sussex, TN38 9BA.

ON–LINE AUCTION DATE: THURSDAY 16th FEBRUARY 2017

PRESSING: Hanoul HNCP-80 mechanical press, 80 ton capacity, 130mm stroke, 60-90SPM, 350mm die height, 1000x600mm bolster area, 840mm work height **(1999).** 2x Hanoul HNCP-60 presses, 60 ton capacity, 125mm stroke, 60-90SPM, 300mm die height adjustment, light guards, 840x500mm bolster area, 800mm working height **(1999).** 2x Hanoul HNCP-60 presses, 60 ton capacity, 100mm stroke, 60-90SPM, 300mm die height adjustment, light guards, 840x500mm bolster area, 800mm working height **(2001 & 2002)**. 2x Seyi SN2-110 double crank mechanical presses, 110 ton, 110mm stroke, 45-90SPM, 400mm die height, 90mm slide adjustment, 1880x660mm bolster area **(2000)**. Seyi SN1-110 mechanical press, 110 ton capacity, 110mm stroke, 45-90SPM, 1150x680mm bolster area, 370mm die height, 90mm slide adjustment **(1998)**. Seyi SN1-80 mechanical press, 80 ton capacity, 100mm stroke, 50-100SPM, 300mm die height, 80mm slide adjustment, 1050x600mm bolster area **(1998).** Seyi SN1-60 press, 60 ton capacity, 130mm stroke, 40-75SPM, 300mm die height, 70mm slide adjustment, 900x520mm bolster area, light guards **(2000).** Aida NC2-11(2) mechanical press, 110ton capacity, 180mm stroke, 35-65SPM, 1880x680mm bolster area, 90mm slide adjustment, 400mm slide to bolster.

INJECTION MOULDING / SHEET METAL: Negri Bossi NB-190 SM720 injection moulder, 190ton capacity, Dimicolor 100 control, Jenco HD50T dryer / hopper **(1990).**
Negri Bossi NB100 Euromap 1000H-450 injection moulder, 1000kN clamping force, 150-410mm platen stroke, 600x600mm platen, Dimi EI1.1 control, Tri Cool Consort water heater **(1994)**.
Sahinler IRM2050/130 powered rolls, manual drop end, 2050x3mm capacity, 130mm dia rolls, foot pedal **(2010).**
Frech D Sinsheim 200/1.7/19 roller leveller, 200mm x 2mm capacity, 19 rolls. Sealey 8" double ended grinder / polisher on base

FACTORY PLANT / MISCELLANEOUS: Stelrad Ideal Harrier size 4 gas fired boiler, 120ºC max temperature, 4.5bar, 85kW heat output with Flamco 125Midi pressure system, 2x vessels, Boss Therm room stat & 2x pumps. 2x 40ft shipping containers. 3x Siemens motors to 11kW@1460rpm. 9x polypropylene storage tanks to 2000 gallon. 400 approx Link 51 20 ton cross beams, 2.2m long. Workbench with built in drawer unit. 6 drawer storage cabinet.

MORE EQUIPMENT STILL BEING LOTTED - CONTACT THE AUCTIONEERS FOR FURTHER DETAILS

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Bidding Ends: Tuesday 31st January and Wednesday 1st February 2017 at 1pm & 3pm on each day (UK Time)

- **Doosan** VTS 1620M Vertical CNC Lathe with Fanuc i Series Control (2012)
- **Doosan** Puma 480L CNC Turning Centre with Fanuc 32i Control (2014)
- **Doosan** Puma 2600 SY Turning Centre with Fanuc i Series Control (2015)
- **Doosan** Puma 2600 SY Turning Centre with Fanuc i Series Control (2014)
- **Doosan** Puma 2600 Lathe with Fanuc Series i Control
- **Mazak** H630 6-Pallet Horizontal Machining Centre with Mazatrol M32 Control (1991)
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- **Cincinnati** Universal Grinder
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Online Auction Sale

CNC Lathes & Machine Tools and other Toolroom Equipment no longer required by CC Precision Engineering

Cottrill & Co.
WORLDWIDE ASSET DISPOSALS

Bidding Ends: Wednesday 8th February 2017 at 3.00pm (UK Time)

Viewing by Appointment only with the Auctioneer

- **HAAS** ST20SS CNC Lathe with HAAS Control & HAAS Servo 300 Barfeed (2010)
- **HAAS** VF355 Machining Centre with HAAS Control (08/2011)
- **Cincinnati** Lamb CFV1300 Machining Centre with Siemens Sinumerik Control (2005)
- **Cincinnati** Arrow 1000 Machining Centre with Siemens Acramatic 2100 Control (2002)
- **Cincinnati** Arrow 750 Machining Centre with Siemens Acramatic 2100 Control (2002)
- **Harrison** VS330TR Lathe with Mitutoyo D.R.O.
- **Harrison** M500 Lathe with Acurite III D.R.O
- **Brierley** ZB25 Drill & Cutter Grinder
- (2) **Meddings** Type MB4 Drills
- **Meddings** Drill with Steel Table
- **Quick Boy** Radial Tapping Arm
- **Qualters & Smith** Simpkin No. 6 Flypress
- **Rusch** 250 Bandsaw
- **AJH** 12" Double Ended Grinder
- **Formula** F1600 Shot Blaster
- 6ft x 4ft Granite Table
- **Fleco** 3m (h) x 2m Arm Jib Crane with 1000kg Hoist
- **Ingersoll-Rand** Compressor with Air Cylinder & Dryer (1999)
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Blagbrough Engineering

Based in Telford, Shropshire, Blagbrough Engineering is a Fabrication company with precision CNC facilities which now have available a range of CNC and Manual machinery due to retirement.

Auction End Date: Thursday 26th January 2017, 3pm GMT
Location: Telford, Assisted viewings only, Open day date to follow.
Please contact us on 02476 992205 or info@1stmachineryauctions.com

1998 Kia Turn 21 with Tailstock

Hardinge Cobra LC - FANUC 21 T control with Multifeed Barfeed

Mori Seiki SL 5a 1985 - FANUC control

Hurco BMC 30 ultimatax control VMC

Kitamura Myturn 208 - FANUC 10T control - 1987

Addison SH-330BR Jubilee horizontal Bandsaw 1995

Lancer BOSS RH20L 4B2 2000kg Gas Forklift

Colchester Master with Tailstock

- 1998 Kia Turn 21 - with Tailstock
- Hepworth spares and repairs FANUC control
- Emi - Mec Sprint
- Adcock & Shipley 1ES Horizontal Mill
- Adcock & Shipley Horizontal Mill
- Ward C3A Capston Lathe
- MACO TRS 30 Chop Down Saw
- 6 Ton Short Stroke Press
- Herbert 3 Station Drill
- Essex 124 Drill
- Brierley ZB32 Tool and Cutter Gtinder
- Pedrazzoli Brown 250 Chop Down Saw
- Vanco 1" Belt Linisher
- Allen West Grinder
- Duplex Nibler
- Block and Sweeney 27.1 Fly Press
- Bench Notcher
- Hydravane 4/4 compressor
- Ingersoll Rand 49811748 compressor
- Michelin HP20 Compressor
- Atlas Copco Compressor
- GMC Compressor
- Oxford Stick Welder
- Blackfast Chemical Black 833 Unit (NEW)
- Bridgeport series 1- Heidenhain DRO
- Colchester Mascot 1600 with Tailstock
- UTTING UB180 AE Automatic Hirizontal Band Saw
- Jones And Shipman 540 Surface Grinder with Extraction. Single phase

OIL & GAS INDUSTRY Machinery ONLINE AUCTION
January 26th

Due to further investment a Hitachi-Seki H630 and a Mazak H630N are now available.

Location: Midlands - Viewing by Appointment only
Online Auction Date: Ends Thursday 26th January 2017 - 3pm GMT
Please contact us on 02476 992205 or info@1stmachineryauctions.com

Mazak H630N Horizontal Machining Centre

Hitachi-Seki H630 2 Twin Pallet Horizontal Machining Centre

Ex Aviation Manufacturer
February 2nd

A leading Aviation parts manufacturer has excess machinery available due to New Machinery Purchase.
Location: Essex – Viewing by Appointment only

Online Auction Date: Ends Thursday 2nd February 2017 - 3pm GMT
Please contact us to discuss this sale on 02476 992205 or info@1stmachineryauctions.com

Dugard QT15N Lathe

Matsuura HPLUS-300 - (2004) - Fanuc Control

Harrison Alpha 550 Lathe

Colchester Triumph 2000 Lathe

Mega Machine B5300HAS Saw

Toskurim FNK25A Manual Mill

- Jones & Shipman Cylindrical Grinder
- Jones & Shipman 1300 Cylindrical Grinder

Southern Based Precision Engineering
9th February

Southern Based Precision Engineering Auction are offering a 2003 Hurco VM1 due to purchase of new machinery. Location: Devon

Online Auction Date: Thursday 9th February 2017 - 3pm GMT.
Please contact us to discuss this sale on 02476 992205 or info@1stmachineryauctions.com

Hurco VM1 (2003)

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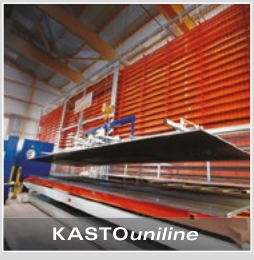
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