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22 SEPTEMBER 2014

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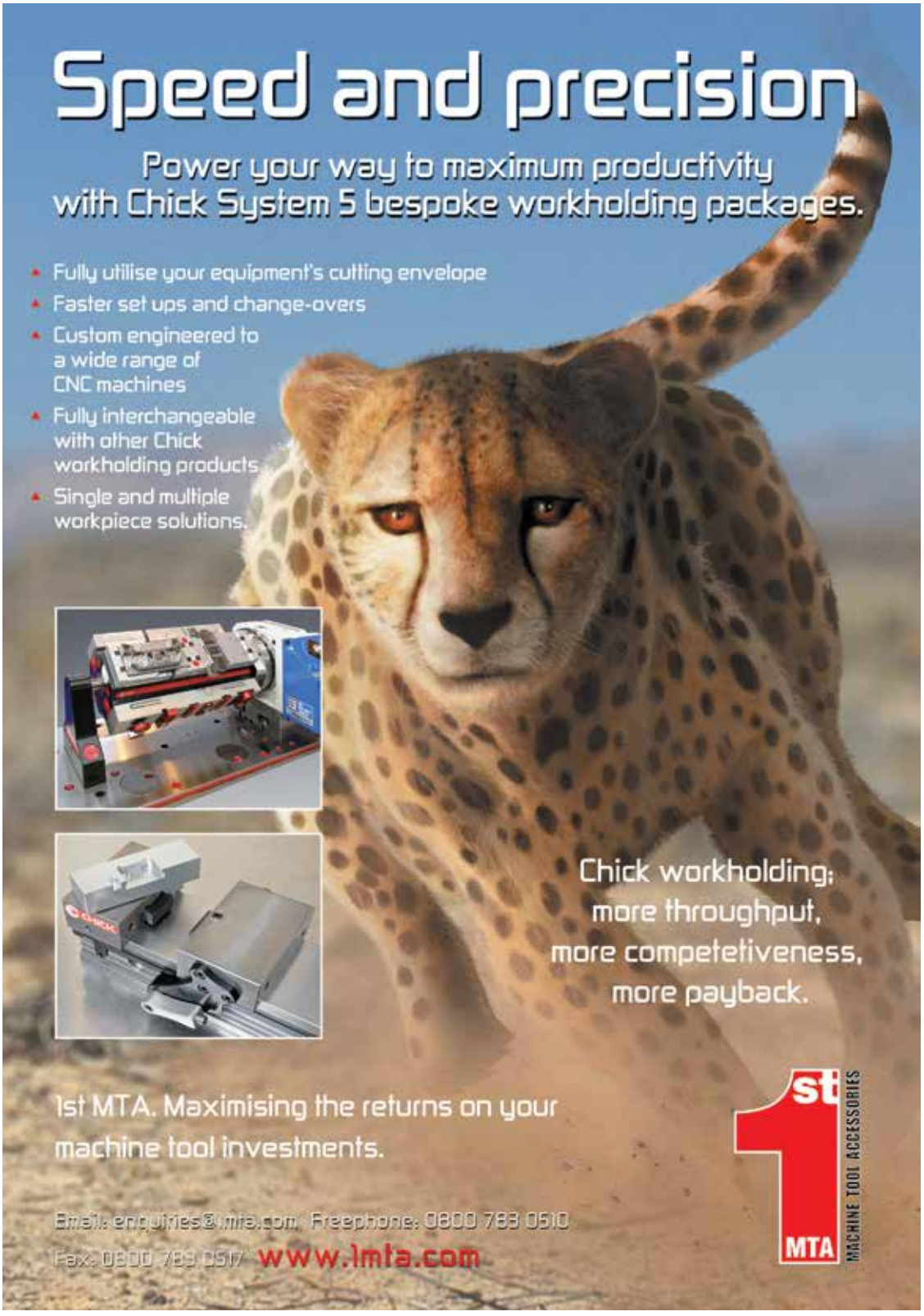

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SINCE 1921

VISIT US AT OUR
OPEN HOUSE
on 25, 26 & 27 September in Zele, Belgium

MAZAK CNC 5-Axis High Speed Horizontal Machining Center

Type H-1250
X = 1524 mm
Y = 1524 mm
Z = 1550 mm
A = 10° - 100°

B = 360°
Pallet size 1000 x 1000
ATC 120 pos
FULL FMS System
with 12 stations

ZAYER CNC Bed Milling Machine

Type KFU 3000
X = 2700 mm
Y = 1016 mm
Z = 1500 mm

ATC 60 pos
Motor 37 KW
Control Heidenhain TNC 355

OKUMA CNC Bridge Type Machining Center

Type MCV16A
X = 2000 mm
Y = 1600 mm
Z = 1000 mm

Quil 400 mm
Pallet size: 1700 x 1000 mm (2 pcs)
Between columns: 1650 mm
ATC: 50 pos.
Control: OSP 5000 M

BURKHARDT & WEBER Horizontal Machining Center

Type MC60
X = 800 mm
Y = 630 mm
Z = 630 mm

Pallet size: 630 x 630 mm (2 pallets)
ATC: 180 pos.
Control: Siemens 850 M

CINCINNATI CNC 4-Axis Horizontal Machining Center

Type 20HC2500
X = 2500 mm
Y = 76-990 mm
Z = 101-812 mm

2 index tables 815 x 815 mm
Control Fanuc 16i-M
CIM-X-CHANGER
ATC 30 pos.
ISO 50

LINE Bridge Type Milling Machine

X = 8000 mm
Y = 2 x 900 mm
Z = 1350 mm

Table size: 8000 x 1250 mm
Distance between
columns: 1550 mm

UNION NC Horizontal Boring Mill

Type BFT110/6
X = 2000 mm
Y = 1600 mm
Z = 1950 mm

Table size: 1400 x 1600 mm
Spindle diameter: 110 mm
Control: Heidenhain

FAVRETTO Bedway Grinding Machine

Type FR80.70.5000
Grinding length: 5000 mm
Grinding width: 800 mm
Max. height: 700 mm

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CMT supplies machine tools to Walsall College

Chester Machine Tools has recently completed another successful installation of milling machines, drilling machines and lathes at the new engineering and manufacturing workshop at Walsall College. The project was instigated after the announcement of a £300,000 capital investment budget to address regional shortages.

The workshop now boasts a CNC milling machine, several manual milling machines and a number of lathes, the majority of which have been supplied by Chester Machine Tools. The college supports over 80 engineering apprentices and the new workshop will allow for further expansion after outgrowing the existing workshop based at the Black Country University Technical College.

For further information
www.chestermachinetools.com

Mondiale and Harry Vraets open doors

Machine tool specialists Mondiale and Harry Vraets Machinery are staging a joint open house at Zele, Belgium on 25-27 September 2014. The event will focus on a plethora of new and pre-owned machine tools suitable for all industry sectors and all budgets. The event is open from 09:00 to 20:00 on 25 and 26 September, and from 09:00 to 16:00 on 27 September. Many of the machines are priced attractively during the three days and visitors are invited to take a look and strike their own "open house deal".

During the first two days of the event, around 600 final-year students (the engineers of the future) will be in attendance along with a wide spectrum of industry visitors. Mondiale is a famous brand in educational establishments throughout Belgium and the Netherlands, and the company will be laying on workshops and demonstrations of machines featuring Fanuc, Siemens and Heidenhain controls.

Tooling expert Sandvik Coromant will also be present offering advice on optimised cutting tool strategies, while KBC Bank will be explaining to visitors how they can fund machine purchases using a variety of finance options.

Visitors from Belgium, the Netherlands, Germany, France, the UK, the USA and India are expected at the 1500 sq m showroom, where around 900 machines are currently in stock (approximately 100 will be under power for visitors to see in action). The company's workshop will also be open, where visitors will be able to see how pre-owned machines are refurbished.

For further information
www.mondiale.be
www.vraetsmachinery.com

EMO dates

The dates have now been finalised for EMO Hanover 2017, Europe's largest trade fair for the metalworking sector. The VDW (German Machine Tool Builders' Association), which is responsible for organising EMO, has announced that the event will be held on 18-23 September 2017. The show will follow the EMO exhibition in Milan next year on 5-10 October 2015. "We are announcing the dates well in advance so that exhibitors and visitors can make their plans in good time", says Dr Wilfried Schäfer, executive director of the VDW.
For further information www.vdw.de

Hardinge deal

US machine tool manufacturer, Hardinge, has entered an agreement to acquire the assets of the Voulmard internal diameter grinding business from Peter Wolters GmbH of Rendsburg, Germany. Voumard, founded in Neuchatel, Switzerland, has been in the ID grinding market for almost 70 years. It was acquired by Peter Wolters in 2005 and subsequently moved to Germany in 2010. Hardinge plans to move Voumard's production and support back to Switzerland, where it will be integrated into the company's existing Kellenberger business.
For further information www.hardinge.com

UK rail

Hitachi Rail Europe says that it is working with more than 30 UK-based suppliers to build trains for the first phase of train delivery in the Government's Intercity Express programme. Of the parts, systems and operations that Hitachi Rail Europe could have sourced from the UK for the new trains, 72% have indeed been purchased from UK-based businesses. These include wheel sets from Manchester-based Lucchini, braking systems from Knorr-Bremse in Melksham and exhaust systems from Gainsborough-based Eminox.
For further information www.hitachirail-eu.com

£3m factory provides Street Crane with a lift

Visitors from around the world joined Street Crane to celebrate the opening of its new £3m hoist factory at Chapel-en-le-Frith earlier this month. Street Crane is the UK's largest crane and hoist manufacturer, and the new factory will give the company capacity to increase wire rope hoist production from the current level of 2500 hoists to 3200 per year. The company anticipates that, based on current growth, a second shift will be needed by 2016 to double production, bringing further jobs.

"We currently have the strongest order book in our history," states managing director, Andrew Pimblett. "We have worked hard to build an international network of nearly 90 overseas distributors in 48 countries. To support our global network we have continually invested in the business, creating products such as our ZX hoist range to meet mainstream lifting needs up to 80 tonnes."
For further information www.streetcrane.co.uk

Technicut takes Edgemaster

Alicona has announced that cutting tool manufacturer, Technicut, based in Sheffield, has become the latest user of its InfiniteFocus Edgemaster system for R&D applications. "We've used optical 3D measurement to verify edge rounding for a number of years but the Alicona system offers some significant advantages, particularly for R&D and analysis of wear mechanisms," says manufacturing director, Warwick Spearing. "The resolution, which now goes down to 20 nm, allows extreme detail of the cutting edge to be checked, including direct surface roughness measurement – even of polished surfaces."
For further information www.alicona.com

E-learning aids metalworking skills

Cutting tool manufacturer, Sandvik Coromant, has launched a programme to help production engineers and manufacturing specialists keep abreast of the latest metal cutting technologies and practices. The free online service represents an e-learning programme for metalworking skills that can be accessed from anywhere at any time.

The programme is based on the Sandvik Coromant 360-page 'Metal Cutting Technology' training handbook used for all in-house training at the company's productivity centres. To make the material more user-friendly for online access, it has been divided into nine chapters and 75 training courses, and features useful comments, voiceovers, animated graphics and video clips. A one-off registration at the web address below enables full utilisation of the e-learning programme.
For further information www.metalcuttingknowledge.com

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- 1600 x 1840 x 2110mm footprint
- 500mm X axis traverse
- 320mm Y axis traverse
- 400mm Z axis traverse
- 10,000rpm spindle speed
- BT40 spindle
- 5.5kW spindle motor
- Linear guideways

Available for demonstration

Coming soon - 600A & 800A

Search for "Dugard Machine Tools"

P400 TEM at Delphi

Delphi-TVS, a joint venture between US-based Delphi Corporation and TV Sundaram Iyengar & Sons of India, is using a P400 TEM (thermal energy method) system from Kennametal Extrude Hone to remove burrs from high volume diesel fuel injector components. The system uses a pressurised mixture of combustible gas and oxygen that is injected at 5 to 10 atmospheres of pressure into a containment chamber sized both by the amount of material to be removed and the volume of parts in the chamber. An ignition system ignites the gas mixture, releasing heat energy from the oxidation of fuel in a high speed (20 ms) energy wave. With their raised surface areas and thin cross-section features, even internal burrs and flashings burn away instantly. Because the gas mixture engulfs the entire workpiece, all internal and external surfaces are exposed to the rapid oxidation. Internal cross-drilled holes and intersecting edges that are difficult or impossible to reach are processed instantly.
For further information
www.kennametal.com

More tool life on CFRP

Developed in Japan to satisfy growing demand for higher quality holes and improved tool life when drilling carbon fibre reinforced plastic (CFRP) materials used extensively by the aerospace industry, the resulting Sumidia diamond-coated SDC drill range is said to increase tool life and, by incorporating specialised geometry, reduce the likelihood of burring and the onset of delamination in the material. In comparison with competitor diamond coated tools and uncoated carbide tools when producing 7 mm diameter through-holes in 28 mm thick CFRP at 6000 rpm and 0.1 mm/rev feed, the SDC drill excelled due to lack of any wear on its flanks even after 600 holes, says Sumitomo. Meanwhile, the competitor drill types had to be changed at 50 and 25 components respectively.
For further information
www.sumitomo-hardmetal.co.uk

AMRC acquires Profimat MC 607 five-axis grinder

A Profimat MC 607 five-axis CNC grinding machine manufactured by Blohm Jung in Germany has been supplied in close cooperation with UK agent, JRA Bennett, to the University of Sheffield's AMRC. It follows a rigorous tender process that involved evaluating hundreds of parameters and included grinding trials at the machine builder's factory in Hamburg.

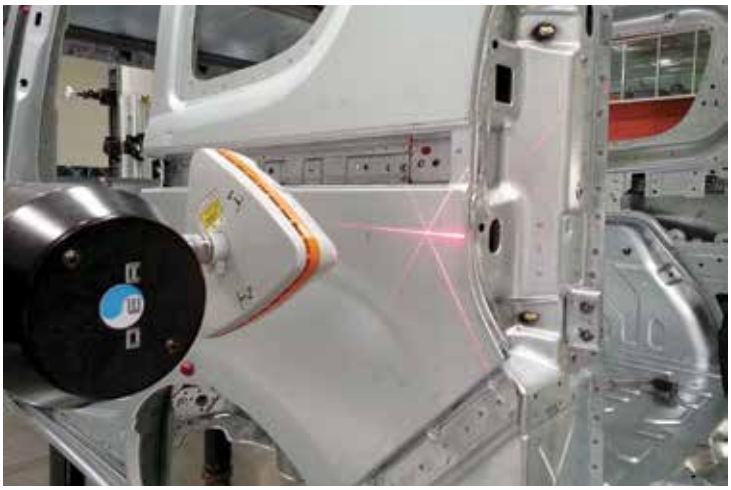
The moving-column grinding machine is located within the design, prototyping and testing centre, a major expansion of the original AMRC building on the Advanced Manufacturing Park. The centre concentrates on the development of high value manufacturing technologies mainly for the aerospace and high-end automotive sectors.

The latest Siemens Solutionline 840D control, which includes a Blohm user interface, can be used to program the machine's five CNC axes to interpolate simultaneously. Complicated surfaces may be generated in this way, without using profiled wheels. Initial grindability trials have already been carried out on Inconel and aerospace grade steels, with more exotic materials destined for evaluation shortly.
For further information
www.jrabennett.co.uk

Laser scanners replace tactile probes for BIW

Turkish automotive manufacturer FIAT-Tofaş is implementing new inspection methodologies for the diagnostic measurement of sheet metal components and body-in-white (BIW) assemblies. A key element involves the installation of Nikon Metrology XC65Dx-LS cross scanners and CAMIO multi-sensor metrology software, which are retrofitted on an existing Hexagon double-arm CMM at Bursa. Inspection is now twice as fast compared with touch probes and provides better insight, reducing the time needed to diagnose problems and raising efficiency.

By digitising complex features from three sides, the cross scanner acquires the complete 3D geometry of the features, driving the accurate extraction of positions and dimensions. Smart laser intensity adaptation allows any surface, such as those with varying colour or high reflectivity, to be scanned without the use of a matt spray or other user interaction.



Özgür Ogur in the quality department at Bursa says: "The savings are significant when using scanners instead of tactile probes for feature and surface inspection of BIW on our CMM. Also, there are no significant differences in accuracy between tactile and scanning. We require 0.2 mm uncertainty on a 5.5 m diagonal, and as the inspection device has to resolve to one-tenth of the tolerance band, the scanners need to measure down to 20 µm. Measurements have proven that the scanners achieve this requirement."
For further information
www.nikonmetrology.com

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Gearbox shafts made easy

EMAG has unveiled a new vertical turning lathe – the VT 4-4 – designed specifically to deliver top efficiency levels in large volume gearbox shaft production. This four-axis shaft turning machine is said to open up new potential in the machining of components up to 1050 mm in length and 200 mm in diameter. Simultaneous machining is carried out in four axes at a maximum speed of 4,500 rpm. The process employs two turrets with 12 tool stations each, equipped with turning tools or driven tools (with one station reserved for the gripper). Workpiece grippers move the raw parts to the machining area and remove the finished components.

For further information
www.emag.com

JVM invests in Brother

JVM Castings, the UK's largest independent aluminium die casting shop, machines nine different JLR chassis castings at its Worcester headquarters and a further nine at its Tamworth facility. The finished parts are destined for production lines building all variants of the Range Rover and Range Rover Sport. JVM partners with Whitehouse Machine Tools, the UK agent for Brother machining centres, to react quickly to changes in volume. For instance, when 2000 of each type of large casting per week was predicted, the company intended to mill, drill and tap them on Brother machining centres that were supplied in 2010 to fulfill another contract. However, after weekly quantities rose to 3000 it was decided to install four new Brother machines (TC-S2DN-O models) to form a separate cell. Now that volumes for JLR are expected to expand further, JVM has added three of the pre-existing Brother TC-S2DN machining centres to form a line of seven machines processing eight of the nine casting types. The total weekly output of parts from Brother machines is now close to 30,000 units.

For further information
www.wmtcnc.com

Fiat upgrades CNC systems

Fiat Powertrain is upgrading the CNC systems of 20 key machine tools used on the crankshaft and cylinder block production lines of its engine manufacturing plant at Campo Largo, Brazil, in order to extend their life cycle and minimise future maintenance downtime. Each machine requires a custom upgrade kit, comprising a high performance CNC unit, servo drives and motors, specifically designed by NUM.

The Campo Largo facility make extensive use of multi-axis CNC transfer machines, machining centres and specialist machine tools. These include a range of Cinetic-Landis crankshaft grinding machines, Heller machines for the external milling and grinding of crankshafts, and transfer machines produced by Comau for engine block machining.

The company took the strategic decision to extend the life cycle of the production lines by upgrading all 20 machines with modern CNC controllers, drives and motors. After reviewing various CNC manufacturers' products and services, Fiat Powertrain concluded that NUM offered the best upgrade solution for the specific needs of the plant because it is the CNC OEM for the current machines and was able to provide a faster-to-implement solution with the best benefit/cost ratio.

For further information
www.num.com

LX021 suits aero blade machining

Starrag UK has announced the new LX021 machining centre as a compact, cost-efficient answer to the complete machining in a single set-up of aero engine turbine blades up to 200 mm long. The machine will also process impellers/small blisks. Importantly, the LX021 can include full capability for turning and, courtesy of the machine's axis arrangement, an optional automatic barfeed. The machine's automation can be further extended by its integration into a flexible manufacturing system with automatic pallet change.

LX machines have been developed specifically for the simultaneous five-axis machining of blades in difficult-to-machine materials, such as titanium and nickel-based alloys, with extremely low rigidity and poor damping (rather than blades with relatively simple geometries and made from forgings or castings).

With X, Y and Z axes of 400 x 200 x 410 mm respectively, plus 360° in the A-axis (root) and -45° to +95° in the B-axis (swivel), the LX021 also offers an NC-driven U-axis (tailstock), which can accommodate three clamping elements including a pneumatic device, allowing machining to be performed on all sides of a component.

For further information
www.starrag.com

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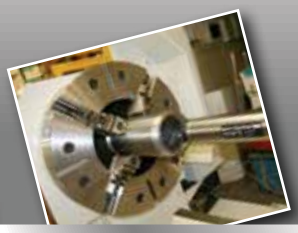

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This award winning range offers swings ranging from 430-760mm and bed lengths from 760 to 5050mm.

Yorky type 'O' Oilfield Grinding Machine

Swing over slides	*44", (1118 mm)*
Distance between centres	*120".(3048mm)*
Face width ground (max)	*106" (2693mm)*
Wheel Size	*30" x 12" hole x 3" wide*
Speed of spindle head traverses	*Variable, electrical*
Work head speeds	*10 to 100 rpm, variable*
Work head hollow bore	*12½" (317.5 mm)*
Maximum work piece weight	*5,000Kgs*

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CU-ICAR uses Okuma

As well as production applications, machine tool manufacturer Okuma says that facilities such as the Clemson University International Centre for Automotive Research (CU-ICAR) in Greenville, South Carolina are proving a hotbed for its technologies. CU-IAR has $1.5m of Okuma machines onsite for use in its Lightweight Automotive Materials Programme (LAMP). The approach will be applied directly to machining process control for titanium component manufacture, optimised with respect to cost while maintaining constraints on quality parameters such as dimensional stability, vibration-induced defects (chatter) and surface finish quality. CU-IAR is working with BMW on the project.

For further information www.okuma.com

Auction Spotlight

Perfection Industrial Sales is holding an online auction of assets owned previously by J Hortz Automotive, Barcelona, Spain. This complete stainless steel and zinc cable production plant comprises: Barmag DV2 stranding machines; Sket MSCD 2/7/190 stranding machines; Sket SM251G wire drawing machines; Lucky Winsun rolling wire machines; Ribbon flattening and wire rolling machines; and Fisher and Frech diecasting machines. Sale closes from 23 September at 15:00.
+34 622 230290 www.perfectionindustrial.com

Thompson is staging a public auction of CNC machines used formerly by TSS Technologies, Cincinnati, USA. Lots include: a Toshiba MPC-E bridge mill; a Makino A-81 HMC; a Giddings & Lewis VTC1600 vertical boring mill; a Parpas ML-120 floor-type horizontal mill-borer; a Toshiba TUD-13APC twin-pallet vertical boring mill; a Toshiba BP-150. R22 horizontal mill-borer; and a Toshiba TUE-15 VTL. Viewing is on 22-23 September (10:00-16:00). Auction takes place on 24-25 September starting at 09:00.
+1 937 426 8446 www.thompsonauctioneers.com

Hilco Industrial is conducting an online auction of equipment used formerly by Isofoton, Malaga, Spain. Lots include: a CMS T1-3000 pipe cutting machine; a Hellas ENE pipe punching machine; an SK Brazing 200 four-station auto-index brazing machine; a Mullutensil sheet cutting machine; a DSA custom automated solar panel testing station; a DSA custom automated ultrasonic welding station; and seven Fanuc R-2000iA/125 165F six-axis robots. Sale takes place on 2-9 October.
+44 (0)8453 130185 www.hilcoind.com

1st Machinery is hosting an online auction of various machines from various UK sites. Lots include: a Leadwell LT-20SM CNC lathe with driven tools; an Amada Promecam Aries 245 CNC punching machine with pressure mats; a Hartford HV-60 VMC; a Hurco BMC 4020 VMC; an MHP CNC lathe; a Hare HP 25 ton press; an LVD Helius 2513 laser; a Kitamura H300 HMC; and a Bridgeport EZ Path CNC lathe. Viewing is by appointment only. Auction date is 2 October at 15:00.
+44 (0)845 2871 290 www.1stmachineryauctions.com

Cottrill & Co is facilitating an online auction of CNC machinery used previously by James Thomas Engineering and others. Lots include: a Mazak Nexus 510C-11 VMC; a Mazak QuickTurn Nexus 250-II four-axis turning centre with barfeed; a Mazak Super QuickTurn 200MS five-axis turning centre; a Mori Seiki MT2000SZ nine-axis twin-spindle turning centre with barfeed; and a DMG Mori CTX310 Eco three-axis turning centre. Viewing is by appointment only. Bidding ends on 2 October at 15:00.
+44 (0)121 328 2424 www.cottandco.com

FOR MORE AUCTIONS, SEE Pages 33 – 45

Auction Spotlight

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Bridgeport VMC 760 20
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YOM 1995

Bridgeport VMC 500 16
with Heidenhain TNC 370 control, X-500mm, Y-340mm, BT 40 6000 rpm spindle, 16 tool ATC.
YOM 1998

Bridgeport VMC 560 22,
Heidenhain TNC 2500 control, 6,000 RPM, X- 560mm, Y-360mm movement, 22 tool ATC, YOM 1996

Bridgeport VMC 1000-30,
Heidenhain 426 Control, 30 TOOL TC 10,000 RPM spindle, due in next week. Library picture!
YOM 1999

Colchester Tornado 100 CNC lathe
with Fanuc control, tailstock, 12 station VDi turret, collet chuck, 51mm Spindle, 4,000RPM, tooling
YOM 1995

CMZ TC 30 YS CNC lathe with Fanuc 32i control, main & sub spindles with C-Axis on both spindles, driven tools, Y-Axis, 315mm power chuck plus collet chuck, 78mm bore, 800mm turning length, full tooling pke & LNS servo Bar feed, as New! YOM Dec 2013

Mori Seiki ZL 203 4-axis CNC lathe
MSX 501 control, twin turret tailstock, parts catcher, probes
VIP short mag barfeed.
YOM 2006

Mori Seiki CL 203-B
MSG-803 control, 3 jaw chuck, Renishaw probing, swarf conveyor.
In super condition!
YOM 2001

Hardinge Cobra 42
with Fanuc control, tail stock, parts catcher, VDi turret, ex college, immaculate!
YOM 2004

Hitachi Seiki HItec Turn 20SII
Seicos L-Multi control, tailstock, 3 jaw power chuck, swarf conveyer, 630mm turning length, tooling package,
YOM 1995

Haas VF0E 20HP motor,
10,000 RPM, X-500mm, Y-350mm, BT 40 spindle, 4th Axis drive, 20 tool ATC
YOM 1998

Cincinnati Arrow 500 VMC
with Heidenhain TNC 360 control, 6,000 RPM, 21 tool ATC, 4th axis head and chuck, 510 x 510 x 560mm movements. Immaculate! YOM 1997

Hurco VMX 60 /40
with Winmax control, 3D Surface Mould Sweep option, thru coolant, side mount 24 tool ATC, 10K RPM. YOM 2007

XYZ Mini Mill 560 VMC
with Siemens 810d & Shopmill 12 station ATC, 560 x 400 x 500 travels.
Hardly used YOM 2004

XYZ DPM 4000 with AGE 3 Control, 1000mm X-Axis Travel, power drawer bar, table guards.
Immaculate!
YOM 2000

XYZ SMX 3500 Prototrak SMX Control with electric handle wheels, power drawer bar, programmable spindle speeds, DFX File Reader.
YOM 2006

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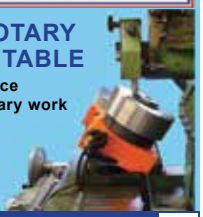

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Fanuc OT Control – 305 mm 3 Jaw Chuck
10 Station Turret + Toolholders – Tailstock
Parts Catcher – Swarf Conveyor – Tool Pre Setter
Max Swing – 500 mm Diameter – Max Turned Length 1100 mm – Max Thro' Bore – 76 mm
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Max Turn Length - 350 mm
Max Bar Capacity – 52 mm Diameter
Spindle - 7.5kW / 4,000 rpm
12 Station VDI 30 Turret + Toolholders
Tailstock – Parts Catcher – Hydrafeed HY52 Bar Feed.
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Twin Screen Hurco Ultimax 4 Control.
Axis Travel 1060 x 610 x 610mm X/Y/Z. Machine Table 1270 x 610mm. Max Spindle Speed 12,000RPM.
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ATC 21 Station – Spindle - 8,000rpm / 11kW
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Table – 1473 x 356 mm.
X/Y/Z Axes Travel – 1016 x 597 x 584 mm.
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ATC – 21 Station ISO40
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20 T
Max thickness : 6mm
2000x1250
SIEMENS SINUMERIK 840 DI

UNION BFT 130/7
Ø 130mm - 5 axis (X-Y-W-Z-B)2235x1620x1020x1200mm
HEIDENHAIN iTNC 426

ZAYER 20 KM 8000
6400x1202x1517mm
Table : 7700x1200mm – Heidenhain TNC 415 B

SACHMAN T 10 GP
2000x1075 x900mm
Table : 2200x710mm
iTNC 530
Tool mag. 20 pos.
Auto head KOSMO (2,5°)
Coolant Through spindle

SCULFORT FABRICAP 650x10000
BC : 10 000mm – HC : 650mm

DAVI IT 4R 30/E
30 x 3050mm - 4 Rolls

TRAUB TNA 700
Max swing Ø : 700mm
Max length : 1250 mm
Bi-turrets
Bi-spindles
C axis
Live Tools

AMADA EUROPE 258
20T – max thickness : 6,4mm
1270x2000mm, FANUC 18i-P

SIT R 650 CA
700x3800mm
Table : 1300 x 300mm

BYSTRONIC VR 6.5-40
6.5 x 4050mm
with rear sheet metal holder

ZPS S-80/1000 CNC
Ø 680x1000 mm – Hydr. chuck & tailstock
12 positions turret – FANUC 21i-T

DECKEL MAHO DMU 60 T
630x560x560mm – Table : 1000x600mm
Heidenhain TNC 426/430 CNC Millplus M

SENY R 605
Centerless grinder : Ø 1, 5 to 50mm

FLEXICAM BARRACUDA 1313
1340 x 1190 x 150 mm
Table : 1340 x 1190 mm

GSP 407 C22
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30x6150 mm
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LVD PPE 320/61 B
320T - 6100mm - 6 axis

LEADWELL FMC 560
560x420x490mm
FANUC Oi-MD – Rotopallet

STANKO 1M 658
HC : 500mm – BC : 8000mm

SAF OXYTOME 45 RS HPC
14500x 3500mm – HPC DIGITAL PROCESS D 610
NERTAJET HP 125 – NERTAJET HP 300

AMADA HFT 170 - 30
170T - 3100mm - 4 axis

PICOT CRH 3020
20x3050mm – 4 Rolls

JOHNFORD VMC 1300
1300x850x800mm
Table : 1500x750mm – FANUC 21i-MB

HURON DX 250 - 1000
Ø 600mm - 1000mm
SIEMENS 802D

MAZAK V515
1050x510x560mm
MAZATROL 640M-PC-FUSION-CNC

HURON PU 771
1900x1000x1000
Table : 2235x700mm

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Max turning Ø : 2440mm
Plate Ø : 2000 mm

AMADA APX 100-30
100T – 3100mm – AMADA OPERATOR 2
7 axis

TRENS SN 500/1500
HC : 250mm – BC : 1500mm

CINCINNATI R 77
Max Ø : 250mm - HC : 130mm
BC : 805mm - Bore Ø : 38mm

CORNAC C100
Spindle Ø : 90mm, 1260x1000x900mm
Table : 1420 x 980mm

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New in 1978 and 1973. Technical condition: good. Capacity: 800T. Stroke: 65mm. Stroke/ min: 45.

Lathe POREBA TR 125x2500
With tailstock for drilling, technical condition good. Diameter over cross slide 950 mm.

Horizontal Boring Machine BFT 90/5
New in 1983, reconstruction in 2006. Control Heidenhaine. Table area - 1250x1400 mm. W – 710 mm. Y – 1150 mm. Z – 950 mm. X – 1450 mm. B – 360 Grad.

Internal and Face Grinding Machine WMW SI 8
New in : 1977. Internal diameter 900 mm. Grinding depth 500 mm. Swing diameter 1000 mm.

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Diameter of all sets of roller is 54 mm

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HARRISON ALPHA 330S 330mm x 1000mm GE Fanuc **2 AXIS CNC** control

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HARRISON ALPHA 330S 330mm x 1000mm With GE Fanuc **2 AXIS CNC** control	POA
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SUPERB ORIGINAL HEAVY DUTY BUILD	£7,750
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SUPERB - AS NEW

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Short Bed Centre Lathes

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£82,500

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GILDEMEISTER CTX 510 with C axis & Milling
Fanuc 21i TB control.
320mm chuck.
3500 driven tools spindle speed.
42kW main motor.
1050mm turning length.
42 kW / 31kW spindle motor power.
680mm swing.
465mm swing over carriage.

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1250mm between centres. 91mm bar capacity. 458mm cutting diameter. X x Z: 12 x 15m/minute rapid feedrates. FANUC OiT control. **£39,950**

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42mm bar capacity. Fanuc 18T control. 228mm cutting diameter. 353mm cutting length. 7.5kW spindle motor. 16C spindle nose. **£17,950**

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Long Bed With Steady
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400mm chuck.
550mm machining diameter.
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2000 rpm spindle speed.
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2001 MAZAK INTEGREX 200Y
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1997 SUPERMAX YCM-VMC-165A
Heidenhain TNC410 control. 37Kw spindle motor. 4000rpm (2 speed gearbox) spindle speed. 30 station tool change capacity. BT50 tool size. **£29,950**

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2013 HURCO TM6
Tool setter, coolant, collet chuck, parts catcher, tooling. **£34,950**

2011 HURCO VM10 Hurco Winmax control. 8000rpm spindle speed. Table size: 762 x 356mm. 20 station tool change capacity.DIN40 tool size. Traverses XYZ:560 x 356 x 457mm. **£32,500**

2004 DAHLIH DMV800 Twin Pallet Machine
4th axis Nikken table to BOTH pallets. CHOICE OF TWO MACHINES! Fanuc 0iMD control. 11kW spindle motor. 8000 rpm spindle speed. 32 position QCTA. BT40 tool size. **£34,950**

2000 FANUC ROBODRILL T14i
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2004 TRYAX MMC45 8,000 rpm spindle. 770 x 300 mm table. BT40 taper. 10 position tool change capacity. 450 x 300 x 250mm XYZ travers. 5.5kW spindle motor. PC based - Centroid control. **£15,500**

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COLCHESTER Master 2500- 40" Gap Bed 5hp, full equipment, faceplates, chucks, qctp tooling.

COLCHESTER Bantam 800 286mm swing x 510mm, 800rpm. Ex-University, with equipment.

CNC CINCINNATI FTV VMC Year 2005. X- 3700mm, Y- 815mm, Z- 800mm, Table 4300mm, Fanuc 18I-Mb, 40 Taper, 8000rpm 22Kw, (29.5hp), Tapping to 24mm, 48 ATC, length 6900mm, Width 3400mm, Weight 22000kgs.

K&B Hydraulic Shear 2000x4mm, power backgauge, spare blades, back guard.

ASQUITH OD1 MK2-54 Radial Arm Drill with tilting box table. Emergency braking, ex-oil refinery maintenance department.

IBARMIA A50 Pillar Drill, all geared head, power down feed, 4mt, 54-1032rpm, Swivel tilting table.

TOS FG32 Horizontal Mill with a universal table 1250x320mm, 50 international spindle, year 1993.

KINGLAND 115XS Steel Work, 2 cylinder machine, 34mm thro 26mm, flat plate 380mmx25mm, angle 150x150x18mm. Big selection of punches and dies.

COLCHESTER Chipmaster 286mm swing x 510mm, 3000rpm. Ex-University, with equipment.

1995 **EUROPA JAINNHER JHC18B** 1-50mm Centreless Grinder.

COLCHESTER Magnum 1250 630mm swing X4000mm between centre. Spindle bore 115mm clear. Spindle speeds 6.3-1250rpm x 24. Motor 20hp – 15kw.

CINCINNATI NO2 Tilting Head tool and cutter grinder with Equipment.

1986 **FAT TUR 63 Large Bore Centre Lathe** Spindle Bore 140mm. Swing over bed 630mm, distance between centres 2500mm, 22-1120rpm.

HERKULES WD 400 Roll Lathe 3,000mm b.c., 400mm c.h., max. swing 680mm over saddle, speed 1,2-38 rpm, carriage calibration support with automatic longitude and cross feed. Full length hydraulic copy profiling.

1990 **AJAX AJ 400** 800mm swing x 5000mm centre lathe, gap bed, travelling steady, 2 x 3 point steady. Quick change toolpost, rapid to saddle, coolant.

HERKULES NF Keyway Notching and Spiral Milling Lathe 600mm x 2,500mm, change gears and equipment.

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(Installed New Nov 2013)

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Pallet Size	500mm x 500mm	Spindle Speeds	35 to 18,000rpm	120-Station Auto Tool Changer
X Travel	730mm	Spindle Tooling	DIN/CAT 40	High-Pressure Thru-Spindle Coolant
Y Travel	730mm	Spindle Power	35kW	& Niagara Coolant
Z Travel	740mm			Swarf Management &
B Axis	360,000	Rapid & Feed Rates	60,000mm/min	Filtration System

Mazak Nexus HCN 4000-III Twin-Pallet Horizontal

(Installed New Jan 2014)

Mazatrol Matrix
Nexus II CNC control
with control options

Pallet Size	400mm x 400mm	Spindle Speeds	35 to 18,000rpm	40-Station Auto Tool Changer
X Travel	560mm	Spindle Tooling	DIN/CAT 40	High Pressure Thru Spindle Coolant
Y Travel	640mm	Spindle Power	35kW	& Niagara Coolant
Z Travel	640mm			Swarf Management &
B Axis	360,000 (NC Table)	Rapid & Feed Rates	60,000mm/min	Filtration System

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X/Y/Z - 1100/600/630 mm

CNC Vertical Machining Center
YANG EAGLE SMV 1000
Year of production: 2000
X/Y/Z - 1020/510/510 mm

CNC Horizontal Machining Center
KIRA KN 30 H
Year of production: 1991
X/Y/Z - 300/250/250 mm

CNC 4 axis Vertical Machining Center
STAMA MC 540
Year of production: 1996
X/Y/Z - 4000/550/550 mm

CNC Bed Type Milling Machine
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Year of production: 1996
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Doosan S310 M CNC Lathe with C axis & Milling, Magazine Barfeed (1999)
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Bridgeport VMC1000/30 Vertical Machining Centre (2000)
Traverses X Y Z: 1020 x 510 x 500mm, Table 1150 x 490mm, Spindle speed 40 – 10,000 rpm, Spindle taper BT40, Spindle Motor 11kW, Heidenhain TNC410, 30 Station Side Mount ATC, through spindle coolant, Low Volt light. **£ 27,500**

Bridgeport VMC 500 XP Vertical Machining Centre (2001)
X Y Z: 500 x 340 x 520mm, Table 840 x 360mm, 40 – 7,000 rpm, taper BT40, Motor 7.5kW, Heidenhain TNC410, 16 Station ATC, Coolant, Low Volt light. **£ POA**

Leadwell T7 CNC Lathe (2008)
350mm max. diameter, 600mm Z axis travel, 520mm swing, 4500rpm spindle, 65mm bar cap, 12 station block turret, 15kW motor, FANUC Oi-TC, 250mm 3 jaw power chuck, tailstock, t/setter, swarf conveyor, tooling, manuals, coolant. **£ POA**

Ecoca SJ-20B CNC Turning Centre (2001)
225mm max. diameter, 380mm Swing, 375mm max. length, 6000rpm, 45mm Bar Cap, 12 station turret, 7.5kW motor, FANUC 18-T, p/catcher, tailstock, swarf conveyor. **£ POA**

Bridgeport VMC 800/22 Vertical Machining Centre (1998)
X Y Z: 800 x 510 x 500mm, Table 1000 x 490mm, 40 – 6000 rpm, taper BT40, Motor 11kW, Heidenhain TNC410, 22 Station ATC, Coolant, Low Volt light. **£ 21,500**

Doosan S550 LM CNC Lathe with C axis & Milling (2003)
550mm max. machining diameter, 1130mm max. machining Length, max swing over bed 710mm, 30 - 2500rpm spindle, 90mm bar capacity (102mm bore), 12 station VDI turret, 22kW spindle motor, FANUC 21i TB control with Manual i Guide, Tailstock, 15" 3 jaw power chuck, driven tools and static tools, manuals, fixed steady, coolant. **£ 54,950**

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241mm max. diameter, 308mm b/c, 40 - 4000rpm, 51mm bar cap, 8" chuck, 8 station turret, 11kW motor, FANUC 0T, t/setter, tooling, tailstock, manuals. **£ POA**

Hurco VM10 Vertical Machining Centre (2011)
X Y Z: 560mm x 356mm x 457mm, table size 762mm x 356mm, 10000rpm, 20 station ATC, DIN40 taper, Hurco MAX control, coolant – VERY GOOD CONDITION. **£ 32,500**

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X Y Z: 2000 x 1250 x 650mm, table 2000 x 1000mm, 18,000 rpm, taper HSK63, motor 21kW, Heidenhain TNC426, max. table load 5000kg, 24 Station ATC, TSC, probe. **£ POA**

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DMG DMU50 Evo 5 Axis, 2005, Heidenhain Millplus iT Control, nc rotary table 500 x 380mm, trav 500 x 450 x 400mm, 18000rpm, 30atc, cat40, spindle probe. Spindle Hours 13,611. **£85,000**

Bridgeport VMC600/22 Digital, 1998, Heidenhain TNC410, 4th Axis, Table 840 x 420mm, Trav 600 x 410 x 520mm, 22atc, bt40, 6,000rpm. **£POA**

Doosan Puma 2600LY, 2012, Fanuc i Series, C & Y Axis, hydraulic steady, barfeed interface, 4 driven holders, 250mm chuck, parts catcher, toolsetter, 12 stn turret, tailstock, swarf conveyor max turning dia 376mm, length 1280mm, bar feed cap 76mm, 22/26kw. Cutting Time 3219 hrs. **£POA**

OKK HM 4, 1998, 400mm twin pallet Horizontal, Fanuc 21iM, 1° indexing, through spindle coolant, trav 620 x 560 x 560mm, bt40, 60atc, 8000rpm, swarf conveyor, probing. **£POA**

Bridgeport VMC800/22 Digital, 1998, Heidenhain TNC410 Control, table 1000 x 490mm, trav 800 x 510 x 500mm, 22atc, 6,000rpm. **£POA**

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(1st – 2nd October 2014) come and meet the MTI team on Stand D80

NORTHERN 14 Manufacturing & Electronics

WANTED URGENTLY

CNC & CONVENTIONAL MACHINE TOOLS

Any age, any model.
Single items or complete plants.
Immediate valuation,
same-day payment.

Contact: Percy Martin
Tel: +44(0)116 260 5582
Fax: +44(0)116 264 0227
www.percymartin.co.uk

J&R International

WANTED

ALL FORMS OF
GEAR MACHINERY, CENTRELESS GRINDERS AND LARGE BORERS

Web: www.jandrinternational.co.uk
Email: info@jandrinternational.co.uk

30 years of trading experience ensures confidentiality

Tel: +44 (0)1785 284655

Nobilla Machine Tools: Colchester Lathe Specialists

See our website: www.nobilla.co.uk
Email: john@nobilla.co.uk Tel: +44(0)1438 812409

LATHES, LATHES, LATHES are what we do. COLCHESTER LATHES are what we specialize in. SPARES & ACCESSORIES we have in stock – new & used.
The largest stock is here!
WANTED: REDUNDANT MACHINERY

MTI MACHINERY TRADE INTERNATIONAL
Planning on visiting NORTHERN Manufacturing & Electronics
(1st – 2nd October 2014) come and meet the MTI team on Stand number D80
NORTHERN 14 Manufacturing & Electronics

Strategic Solutions for Industry *Online Auctions & Liquidations*

Contact: Casey Mulqueen
casey@solutionsforindustry.com
Office: 203-254-6436
Cell: 203-247-3991

Liquidations in Progress

Surplus to the ongoing needs and continuing operations of a world class builder of turbine generators

(23) Late Model 5-Axis CNC High Speed Turbine Blade Machining Centers 2008-2011

All machines available for inspection under power

Contact OEM's exclusive Representative Casey Mulqueen 203-247-3991

Liechti 5-Axis High Velocity Blade Machining Centers
Model: go-Mill 350 Installed New 2010

Work Range:	Recommended max blade dia.	250 mm / 9.8"
	Distance A rotary table to B-axis	150 mm / 5.90"
	Distance A-axis to B-axis	90 mm / 3.54"

Heidenhain iTNC 530 Control w/ Heidenhain scales and encoders
20,000 RPM Spindle for HSK-A63 Tooling w/ tool and work changers

(2) Liechti 5-Axis High Speed Blade Machining Centers
Model: Turbomill 2600xl Installed 2010

Work Range:	Max distance between centers	102.3" / 2600 mm
	Max part diameter	25.6" / 650 mm

Siemens 840D Control w/ Heidenhain Scales
15,000 RPM Spindle, HSK-A63 Tooling w/ 32 position tool changer

(17) Starrag Heckert 5-Axis Blade Machining Centers
High Performance Model: LX-151 Installed 2007-2011

Work Range:	Max distance between centers	33.7" / 855 mm
	Swing diameter	15.7" / 400 mm

Siemens 840D Control
18,000 RPM Spindle, HSK-A63 Tooling w/ 24 position tool changer
Automatic work piece changer, Main drive 28 kw / 38 hp

Additional Blade Manufacturing Test and Finishing Equipment Including:

- Rosler Drag Finishing Equipment complete with 2 finishing bowls w/ spinners, media systems and automation controls
- Brand new, never installed - Vision Robotics Polishing and Innovative Peening Systems for finishing blades.
- (4) Centrifugal Barrel Finishing Model VFC40F
- Gould Bass MP and MagnaFlux testing equipment

Be sure to ask for a complete copy of our Terms & Conditions.

Seller reserves the right to withdraw rejecting offers to purchase and or inspections at any time during this process including rescinding any form of previous acceptance.

www.solutionsforindustry.com

Be sure to ask for a copy of our Terms & Conditions.

Call Casey Mulqueen 203-247-3991

Hilco Industrial

ONLINE AUCTION

On Behalf of a World Leading Manufacturer of Rolled and Machined Aerospace Gas Turbine Engine Rings

Section/Plate Rolling Machines & Machine Tools

Advance Notice of Sale: November 2014

SECTION/PLATE ROLLING MACHINERY
Roundo AB 4-R-6-S CNC 4-Roll Section Bending Machine, Capacity 90cm³ **(2009) – Unused**
Roundo PAS-340 CNC 4-Roll Plate Bending Machine, Capacity 1000mm x 25mm, Power Infeed, Lifting Roll **(2009) Very Little Use**
SMT Pullmax Z52 3-Roll Section Bending Machine (1979)

MACHINE TOOLS
Webster & Bennett Pollard 72" Ram Type CNC VTL, GE Fanuc Series 10T, 16 Position ATC
Webster & Bennett 'Sapphire' 72" CNC VTL, Fanuc 21i-T, Guards
Webster & Bennett 'Lance' L1220 Ram Type CNC VTL, GE Fanuc Series 21i-TA, 16 Position ATC (85/2000)
Webster & Bennett 72" VTL, 60" 5-Jaw Chuck, Copying, Acu-Rite DRO, Guards
Webster & Bennett 72" VTL, DRO, Guards
Webster & Bennett 60" DH Type VTL, Fixed Rail, Heidenhain DRO, Guards
Webster & Bennett 58" EM Type VTL, Upgraded Table, DRO, Guards
Webster & Bennett 54" Q Type VTL, DRO, Guards
Webster & Bennett 48" VTL, Fanuc 6T, Renishaw Interface, Guards
Webster & Bennett 48" DH Type VTL, 30" Extra Height, Fixed Rail, Acu-Rite DRO, Guards
Webster & Bennett 48" EM Type VTL, Copying, DRO, Guards
Mazak QT10 CNC Lathe, Mazatrol T Plus (1997)
(2) **Churchill** HC5/45 & HC5/35 CNC Turret Lathes, 800mm Chuck, 8 Station Turret, Fanuc 10T, Swarf Conveyor
(5) Mills 80T Hydraulic C-Frame Press
Stanko 1M65 1000mm x 3000mm Engine Lathe
Colchester Student 1800 x 1000mm Gap Bed Centre Lathe
Wickstead Hacksaw
Draper HD19 Pedestal Drill

HEAT TREATMENT
Automated Heat Treatment & Quench System (1995)
Comprising of; (2) FEA Natural Gas Batch Furnaces, 600°C - 1180°C, Wood Jenks Rail Mounted Furnace Charger
Chain decent Quench Tank, Slag Collection Skip, 7: Fabricated Steel Cooling Racks
FEA Natural Gas Batch Furnace, 750°C - 1180°C, Chain Decent Quench Tank, Fuel Furnace Charging Machine (3) Ramsell-Naber Electric Laboratory Furnaces
Techno Wash AQF2000/4 Multi-Stage Front Loading Spray Wash System (2007)
Caltherm Gas Fired Drying Oven (2007)

FORGING / FORMING MACHINERY
Henry Berry 2000T Capacity 4-Post Hydraulic Forging Press (1974)
Stroke 915mm, Daylight 1828mm, Pressing Speeds 0-22mm/sec, 1676mm Between Columns (L/R), 1752mm (F/B), Upgraded in 1986
Henry Berry 1500mm dia x 700T Hydraulic Vertical Expanding Machine
Henry Berry 96"dia x 525T Hydraulic Vertical Expanding Machine
Henry Berry 48"dia x 250T Hydraulic Vertical Expanding Machine
Henry Berry 72" Hydraulic Shrinking Machine (1982)
(2) **Henry Berry** 200T Horizontal Hydraulic Bending Machines
Henry Berry 400T Horizontal Hydraulic Bending Machine

INSPECTION EQUIPMENT
LK G80 Microvector Coordinate Measuring Machine,
Renishaw PH10T Probe, Upgraded Control
Trimos Horizon H2001 2020mm Horizontal Measuring Instrument
Faro Platinum Arm P10 Portable Coordinate Measuring Machine (2011)
Qty of Assorted Gauges, Micrometers and Verniers
Steel/Granite Inspection Tables
Brinell 3000kg Hardness Tester
NDT Ultra-Violet Spray & Test Cell

PLANT SUPPORT EQUIPMENT
Arboga-Darenth Swarf Crusher/Filtration System
Floor Mounted Swing Jib Cranes, Electric Hoist
Pelloby 10Tonne Twin-Beam Overhead Travelling Gantry Crane
Compare Broomwade 6050E07AS Packaged Screw Compressor, 7 Bar/37kW
Qty of Hand Tools, Power Tools, Office Furniture, Racking

A 16% Buyer's Premium is applicable to this sale • All equipment is offered subject to availability or unless sold prior to auction

Location: 150 Redfern Road Tyseley, Birmingham B11 2HN United Kingdom
Preview: Strictly by appointment only
Contact: Simon Halsey, shalsey@hilcoglobal.eu • Daniel Gray, dgray@hilcoglobal.eu • +44 (0) 8453 130 180

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ONLINE AUCTION #3

Machinery & Equipment at DMR Produktionsgesellschaft mbH

DMR in conjunction with:

cbi
industrial asset management

Modern High Capacity CNC Boring Mills, Vertical Turning Lathes, Plano Mills and Tooling

DMR Produktionsgesellschaft mbH

Sale Date: Thursday 30 October 2014

CNC HORIZONTAL BORING MILLS, FLOOR TYPE

Union PCR160 plus, Siemens 840D, Spindle Diameter 160mm, X/Y/Z/W = 6.415/4.500/1500/700mm, 120 Station Tool Changer, EIMELDINGEN RUECKLE Model 2-30, 4000 x 4000mm x 50,000kg (5º Max Tilt) 1500mm Travel Rotary Table), Spindle Taper ISO 50, Spindle Speeds 5 – 2800rpm, Main Motor 60kW **(2008)**

Union PC150, Heidenhain TNC426, Spindle Diameter 150mm, X/Y/Z/W = 8.000/3.500/800/750mm, 40 Station Tool Changer, Spindle Taper ISO 50, Spindle Speeds 5 - 2800rpm, Main Motor 60kW **(1999)**

CNC VERTICAL TURNING LATHE

Kolomna KR1565 Twin-Ram, Siemens 840D, Table Diameter 4500mm, Max Swing 5200mm, Max Turn Height 3350mm, Max Table Load 60,000kg **(Rebuilt 2008)**

PLANO MILLS (CNC/MANUAL)

Carnaghi FPTM 253410/T24 6-Axis, Siemens 880M, Table Size 10.000 x 2.250mm x 50Ton, Max Height Under Rail 3.400mm, Max Distance Between Columns 2.500mm, Integrated 2400mm dia x 15,000kg x 70kW Rotary Table, Max Table Speed 70rpm, Vertical Turning Spindle, 60 Station Tool Changer, Spindle Taper ISO 50, Spindle Speeds 8 - 2700rpm, Milling Head Motor 35kW, Z1-Axis 1100mm, Z2 Axis 1750mm/32kW/5 -2000rpm/ (1991)

Stanko-Y3TC UF920, Table Size 10.000 x 4.000mm (x2), Max Weight of Workpiece 250,000kg, Max Height Under Rail 4.000mm, Max Distance Between Columns 4.500mm, Cross Rail Travel 3.015mm, Spindle Speeds 5 - 500rpm; Spindle Motor 11 - 85kW, Spindle Taper ISO 50, 4 Ranges, Torque on Spindle 2.000kpn, Min/Max Distance Spindle 770/4.185mm, 2 Ram-Heads on Elevating Cross Rail, 1 Side-Head, 8 Milling Heads, Heidenhain DRO (manual machine)

Waldrich Siegen PMC3000AS-M1, Siemens 880U, Table Size 13.000 x 2.500mm x 120,000kg, Max Height Under Rail 3.000mm, Distance Between Columns 3.000mm, Main Motor 50kW, Spindle Taper ISO 50, Spindle Speeds 20 - 4000rpm, Z-Axis = 1250mm, Integrated C-Axis (0.0001o Indexing) (1994) video Watch Video

MISCELLANEOUS

Large Quantity of SK50 Tooling/holders with Milling Heads, Steel Layout Plates, Clamping Fixtures, EIMELDINGEN Servo Rotary Table

Coming Soon – Online Auction

Late Model (2007) CNC Machine Tools, Work Shop & Inspection Equipment
Location: Markranstädt, Germany

SMB
MODELL- UND WERKZEUGBAU GMBH

Check the Website for more details www.hilcoind.com

A 16% Buyer's Premium is applicable to this sale • All equipment is offered subject to availability or unless sold prior to auction

Location: Erich-Schlesinger-Straße 50 D-18059 Rostock, Mecklenburg-Vorpommern Germany
Preview: Strictly by appointment only
Contact: Simon Halsey • shalsey@hilcoglobal.eu • +44 (0) 8453 130 181
Martin Kolodziejczyk • mkolo@cbiworld.com • +31 20 470 0989

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WORLDWIDE ASSET DISPOSALS

(5) Online Auction Sales at;

Bidding Ends: Tuesday 14th, Wednesday 15th & Thursday 16th October 2014 at 13.00 & 14.30 (UK Time), 14.00 & 15.30 (CET Time)

CNC MULTI AXIS LATHES

- **(2) Tornos** Multi Deco 20/8b 8-Spindle Multi Axis CNC Lathe with Mag Barfeeds (2004-07)
- **Index** MS32G(3) 6-Spindle Multi Axis CNC Lathe with (6) Sub-Spindles & Iemca Mag Barfeed (1999)
- **Index** MS32P 450033 6-Spindle Multi Axis CNC Lathe with Iemca Mag Barfeed (1999)
- **Fanuc** Robot M6iB Robot with Microrex CNC Centreless Grinder
- **Kummer** K250A Speed CNC Lathe (2009)
- **(7) Index** V100 CNC Lathes with C200-4D Controls, Renishaw LP2 Probes & GMN Grinding Spindles (2001-08)
- **Tornos** Deco 2000/26 Multi Axis CNC Lathe (1999)
- **Citizen** Cincom M-16 CNC Sliding Head Lathe with Iemca Mag Barfeed (2000)
- **Hardinge** Model TT CNC Lathe (1998)
- **Schaublin** 110-CNC Slant Bed CNC Lathe with Fanuc 18-T Control (1997)
- **Hemburg** Slantbed 50 CNC Lathe (1998)
- **(2) Traub** TNS26DGY Multi Axis CNC Lathes with Mag Barfeeds (1992-96)
- **Mazak** Quick Turn 8 CNC Lathe

CNC INTERNAL & EXTERNAL GRINDING

- **(2) Tschudin** Ecoline 400 CNC Centreless Grinders (2004-2007)
- **(2) Studer** Model S140 CNC Internal Grinders with Fanuc Series 16 Controls (2002)
- **EWAG** WS11SP Tool & Cutter Grinder

HONING & VMC

- **Chiron** FZ08W Vertical Machining Centre (2001)
- **Kadia** 15-Station and 11-Station Honing Machines with Unipos UCP 1000 Controls (1999/01)
- **(2) Sunnen** ML-3500-CGMIAG Precision Honing Machines
- **Sunnen** CGM-5000 CP Kross Grinding Machine

SURFACE TREATMENT

- **Dürr** Ecoclean Universal 81C High Volume Cleaning System (2007)
- **Dürr** Ecoclean Universal 71C & 71W High Volume Cleaning Systems (2005)
- **Bremer** High Precision (Swiss) Twin Barrel Shot Blast (1996)

HIGH QUALITY INSPECTION EQUIPMENT

consisting of; **Mitutoyo** BX303 CMM, **Mahr** Formtester, **Mahr** PST-MSE Perthometer, **Tesa** Scan 25 (2006), **Tesa** Profile 30 Projector, **Deltronic** DH216 Projector, Qty **Leica** Scales

ASSEMBLY/MEASURING MACHINES

- Large Qty High Speed Automated Rotary Assembly & Measuring Machines (2000-06)
- Qty of High Speed Automated Pick & Place Assembly & Finished Product Assembly Machines

MISCELLANEOUS

- **Atlas Copco** GA75FF, GA50VSD, GA30 Compressors (1999-2008)
- Huge Qty of Workshop Equipment inc; Forklift and Pallet Trucks, Racking etc
- High Quality Office Furniture

UK Contact: Cottrill & Co Tel: + 44 (0) 121 328 2424

www.cottandco.com

Hilco™ Industrial

Meister Benelux, Belgium

Outstanding Ultra High Precision Machining Facility

Continental Europe Contact: Hilco Tel: + 31 (0) 20 470 0989

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Online Auction Sale

Excellent Quality CNC Machinery formerly used at James Thomas Engineering & Others

Cottrill & Co.
WORLDWIDE ASSET DISPOSALS

Bidding Ends: Thursday 2nd October 2014 at 3.00pm (UK Time)

Viewing by Appointment only with the Auctioneer

- **Mazak** Nexus 510C-II Vertical Machining Centre with Mazatrol Matrix Nexus Control, Table Size: 1300 x 550mm, X/Y/Z= 1050mm/508mm/508mm, 12,000rpm, 30-station ATC (2008)
- **Mazak** Quickturn Nexus 250-II MY 4-Axis Turning Centre with Mazatrol Matrix Nexus Control, Turning Capacity: 380 x 500mm, C-Axis, Y-Axis, 12-St Turret, Driven Tools & Mulitifeed MX18 Magazine Bar Feed (2008)
- **Mazak** Super Quickturn 200MS 5-Axis Turning Centre with Mazatrol PC Fusion 640T Control, Turning Capacity: 300mm x 500mm, 12-station Turret with Driven Tools, Main Spindle: 5000rpm with C-Axis, Sub-spindle with C-Axis (1998)
- **Mori Seiki** MT2000 SZ 9-Axis Twin-Spindle Turning Centre with MGS501 Control, Turning capacity: 550 x 1,020mm, 64mm Bar, Main Spindle: 4,500rpm, Sub-spindle 6,000rpm, 180-St Toolchanger, 12-Station Turret & LNS Magazine Barfeed (2002)
- **DMG Mori Seiki** CTX310 Eco 3-Axis Turning Centre with Mori Seiki MAPPS IV Control, Turning Capacity: 200mm x 409mm, 51mm Bar Capacity, C-Axis, 12-station Turret with Driven Tools (2010)
- **Brother** TC-S2A High Speed Vertical Machining Centre with Brother CNC-A00 Control, Table Size: 600 x 300mm, X=480mm, Y=360mm, Z=270mm, 14-St Turret, BT30, 10,000rpm (2001)

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

1308

For Further Information please contact our Office:
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 ▪

Cottrill & Co is a Trade Name of Cottrill & Associates Ltd

PRIVATE TREATY SALE

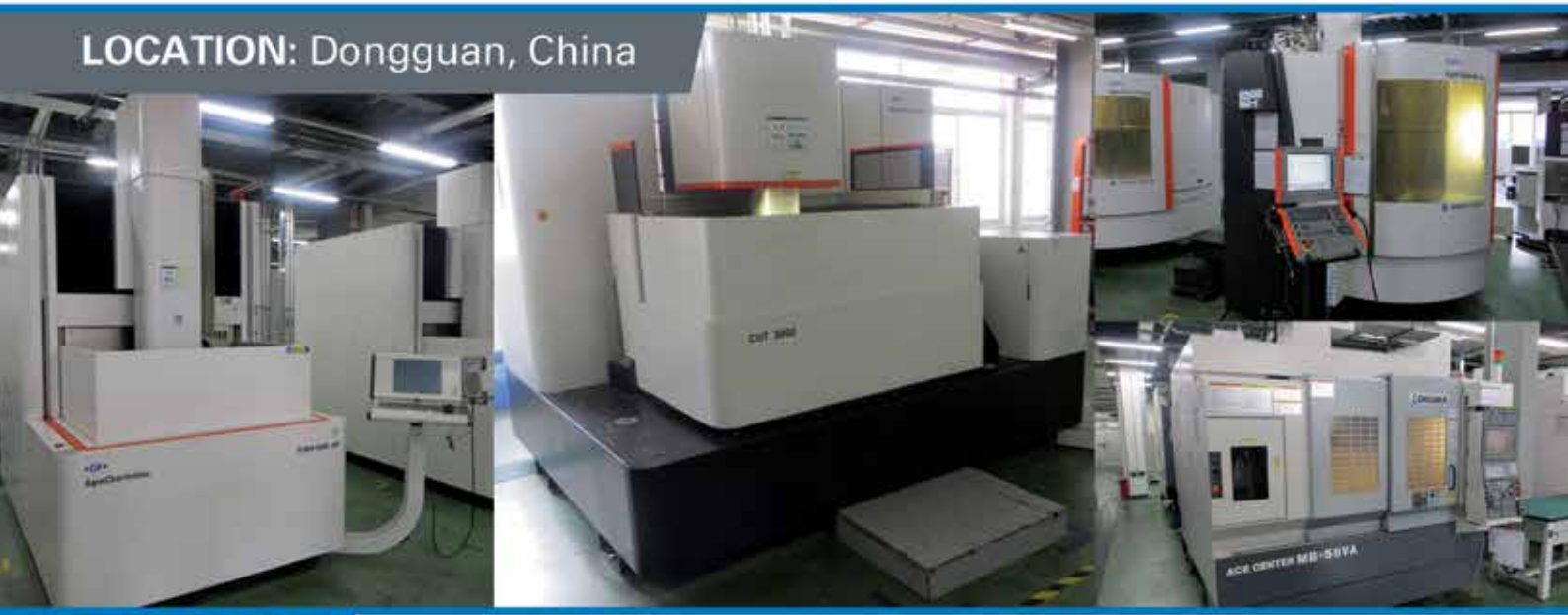
By order of a worldwide consumer electronics contract manufacturing company

Assets Immediately Available for Negotiation

EXCEPTIONAL MODERN CNC MACHINE TOOLS & RELATED EQUIPMENT

Including industry testing and inspection equipment, industrial robots, generators, support equipment and more

LOCATION: Dongguan, China



FEATURING:

EDM DIE SINKING AND WIRE ERODING
- AgieCharmilles +GF+ 'FORM 3000HP' high precision die sinking EDM (Qty 74 - 2012)
- AgieCharmilles +GF+ 'CUT 3000' high precision wire cutting EDM (Qty 2 - 2012)

VERTICAL & HORIZONTAL CNC
- AgieCharmilles +GF+ 'Mikron HSM 700' high speed vertical CNC machining centre (Qty 47 - 2012)
- Okuma 'MB-56VA' CNC vertical machining centre (Qty 39 - 2012)
- Pinnacle 'QV 179' vertical CNC machining centre (Qty 4 - 2012)
- Pinnacle 'LV 85' vertical CNC machining centre (Qty 4 - 2012)
- Yasda 'YBM 640V verIII' vertical CNC jig borer (Qty 9 - 2012)
- Nice Machine 'NCSX 1512-1500' Horizontal CNC drilling and milling compound machine (2012)

PRESSES AND INDUSTRIAL ROBOTS
- Nice Machine 'NC70-1007' hydraulic die spotting press (Qty 3 - 2012)
- World Precise 'JH21-60T' 60 ton mechanical press (Qty 115 - 2012)
- ABB 'IRB 4600' & 'IRB 2400' industrial robots (Qty 35 - 2012)

CONVENTIONAL MACHINE TOOLS
- Okamoto 'ACC158DX' precision surface grinding machine (Qty 2 - 2012)
- Okamoto 'ACC350II' precision form grinding machine (Qty 8 - 2012)
- Gentiger 'SHCM-97A' turret milling machine (Qty 13 - 2012)
- Shenyang 'CA6140A/1000' centre lathe (Qty 6 - 2012)

DIESEL GENERATORS
- Cummins 'KTA50-G3' diesel generator (Qty 4 - 2012)

ALL EQUIPMENT IS AVAILABLE IMMEDIATELY

For further information, please contact:

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To view and bid on the lots, please visit:
http://tiny.cc/MTI

GoIndustry DoveBid
A LIQUIDITY SERVICES MARKETPLACE

Online Auction Sale

Large Capacity Gear and CNC Machinery formerly used in the production of Mining Equipment & Others

Cottrill & Co.

Bidding Ends: Wednesday 1st October 2014 at 3.00pm (UK Time)

Viewing by Appointment only

- **Pfauter** P1250 Gear Hobbing Machine, Max Gear diameter: 1250mm, Max Width: 580mm, 12 Mod, Table diameter: 950mm
- **BHS-Hofler** H1001 Gear Grinding Machine, for Spur, Helical and Cylindrical Gears, Max Gear diameter: 1000mm with Tailstock and Extended Height for Spline Grinding (Fully Rebuilt 2008)
- **Yamazaki Mazak** Vortex 815/120 5 Axis CNC Vertical Machining Centre with Fanuc series 15i-M CNC Control, Table Bed Size: 3250 mm x 800 mm, Traverse X-Axis: 3048mm, Y-Axis: 810 mm, Z-Axis: 610 mm, A-axis ± 30°, B-Axis ± 30°, Spindle speeds: 50 - 10'000 rpm, BT 50 Tool Taper, 30-Tool ATC (2001)
- **Makino** MC98 4-Axis Twin Pallet Horizontal Machining Centre with Professional 3 (Fanuc 16M) Control, Pallets: 630 x 630mm, X=910mm, Y=810mm, Z=750mm, B-Axis, BT50 Spindle Taper, 15,000rpm, 99-Station ATC (1995)

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 •

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Cottrill & Co is a Trade Name of Cottrill & Associates Ltd

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Unit 4, Anglo African Ind Estate
Union Road, Oldbury
West Midlands B69 3EX

Phone: + 44 (0)121 544 9867
Email: auctions@newengland.co.uk
Web: www.newengland.co.uk

Online Auction Of Machinery & Equipment From Cameron Machine Tools Ltd

Machine Tool Stock Available Due To Reorganisation Of The Ongoing Business Of Cameron Machine Tools Ltd (Scotland)

Sale Closes: From 14:00 2nd October 2014 — Location: East Lothian, SCOTLAND

- Kearns 3" Horizontal Borer
- Pearson 155 Ton Press Brake
- Churchill UA Internal Planetary Grinder
- Jones & Shipman 540 And 1300 Grinders
- Binns & Berry, Colchester, DSG Lathes
- Adcock & Shipley, Kitchen & Wade, Pollard Radial Drills
- Parkson And Warco Mills
- Hyster And Still Fork Lift Trucks
- Drills, Saws, Welders, Tooling
- Over 70 Lots Of Ancillary Machinery And Equipment

GO TO www.newengland.co.uk TO BID

1977

MTI MACHINERY TRADE INTERNATIONAL

Planning on visiting NORTHERN Manufacturing & Electronics (1st – 2nd October 2014) come and meet the MTI team on Stand number D80

NORTHERN 14 Manufacturing & Electronics

FUTURE SALES

MANSTON KENT'S INTERNATIONAL AIRPORT TENDER & AUCTION SALE

VIEWING: **TUESDAY 23rd SEPTEMBER 2014**

TENDER & AUCTION DATE:
THURSDAY 25th SEPTEMBER 2014

Runway Systems, Control Tower, Border Inspection Area, Arrivals / Departures / Security, Runway Vehicles / Equipment, Forklift Trucks, Container Loader, Fire Vehicles & First Aid Equipment, Fuel Farm, Generators, Portable Building, Tanks, Miscellaneous, Office Furniture etc.

RAKON UK LIMITED – 2 DAY ON-LINE AUCTION SALE

VIEWING: **TUESDAY 7th OCTOBER 2014**

AUCTION DATES:
WEDNESDAY 8th & THURSDAY 9th OCTOBER 2014

Electronic / Laboratory / Factory etc inc: Reflow Ovens, Screen Printer, Pick & Place Machine, Transfer Stations, Peelback Force Tester, High Vacuum Welding Station, Ovens, Microscopes, Electronic Workbenches, Qty Test Equipment, Nitrogen Generators, Compressors, Maintenance, Factory Plant / Miscellaneous, Office Furniture etc.

BBC TVC – SATELLITE FARM – TENDER SALE

VIEWING: **By Prior Appointment**
Only With The Auctioneers

TENDERS DUE BY:
12.00Noon FRIDAY 10th OCTOBER 2014

Approximately 20 satellite dishes and ancillary equipment available either as a whole or in part:- Andrew, Channel Master, Vertex, Weston, SA, Precision etc Satellite Dishes to 11m approx, antennae & associated equipment.

OCTOBER COLLECTIVE ON-LINE AUCTION SALE

VIEWING & AUCTION: **END OCTOBER 2014**

CNC, Machine Tools, Sheet Metal, Laboratory, Inspection, Small Tooling, Electronics, Office Furniture, Mezzanine Floor, Factory / Miscellaneous Equipment etc

Entries Being Taken Now
Contact The Auctioneers

BBC TVC – PHASE 2 – 4 DAY ON-LINE AUCTION SALE

VIEWING: **WEDNESDAY 29th OCTOBER**
& MONDAY 3rd NOVEMBER 2014

AUCTION DATES: **TUESDAY 4th to FRIDAY 7th NOVEMBER 2014**

Over 2500 Lots including: Stereo / Digital Mixing Desks, Sundry Broadcast Equipment, Rack / Control Room Equipment, Electronic Test Equipment, BBC Memorabilia / Heritage Equipment / Office Furniture / IT, Generators / Factory / Maintenance, Miscellaneous Equipment etc.

CONOFLOW LIMITED – ON-LINE AUCTION SALE

VIEWING: **TUESDAY 25th NOVEMBER 2014**

AUCTION DATE:
THURSDAY 27th NOVEMBER 2014

Retirement Sale including: CNC, Machine Tools, Pressing / Sheet Metal / Welding, Inspection, Small Tooling, Factory Plant, Miscellaneous Equipment etc etc.

Peaker Pattinson (Auctioneers) Limited

HEAD OFFICE: THE GRANGE OFFICES, AUNBY, STAMFORD, LINCS, PE9 4EE. ENGLAND
Tel: **+44 (0)1778 590111** Fax: **+44 (0)1778 590730** E-mail: **Info@ppauctions.com**

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1st Machinery Auctions Ltd

Worldwide Asset Disposals

www.1stMachineryAuctions.com

Martech Engineering is moving and has 2 very low hour quality Hurco VMCs available.

Call us for more details: 0845 287 1290 info@1stmachineryauctions.com

Online Auction Date: Thursday 25th September 2014 – 3pm BST. Location: Slough, Berkshire
Viewing Dates: Appointment only

Hurco BMC30 HT (1996) 8250hrs

Hurco BMC30 (1998) 5590hrs

Riverside Precision Engineering (Blackburn) Ltd has 2 Mazak QT10MS Lathes available due to the purchase of New Machinery.

Online Auction Date: Thursday 25th September 2014 – 3pm BST. Location: Blackburn
Viewing Dates: Appointment only

Mazak QT10MS with Barfeed (1996) with driven tooling packages

Mazak QT10MS with Barfeed (1992) with driven tooling packages

Clint Hill Engineering Ltd has a selection of CNC machinery due to the purchase of new machinery.

Online Auction Date: Thursday 25th September 2014 – 3pm BST. Location: Hinckley, Leicestershire.
Viewing Dates: Appointment only

Kia V25P
Twin Pallet VMC

2x STAR RNC16 CNC Sliding Head Lathes with Barfeed

Parker Design Engineering Ltd has excess items available due to restructuring.

Online Auction Date: Thursday 25th September 2014 – 3pm BST. Location: Watford, Hertfordshire
Viewing Dates: Appointment only

Bridgeport VMC560/22
(1996)

Thermal Dynamics Cutmaster
51 Plasma Cutter

CNC 4th Axis

Excess equipment available from a Motor Industry acquisition.
Please see each lot for details.

Online Auction Date: Wednesday 1st October 2014 – 3pm BST. Location: Dudley, West Midlands
Viewing Dates: Appointment only – info@1stmachineryauctions.com

Serdi Millenium 3 Honing Machine

Delapena Speedhone

Myford Surface Grinder with Extraction

Jones and Shipman Grinder with Extraction

Landis Lund Cylindrical Grinder

Monach Centre Lathe

Rottler Boring Machine

Engine & Gearbox Test Cells x 3

- Horizontal Linisher
- Polishing Tool Grinder Unit
- Large Polishing Twin Unit
- Union Double Ended Tool Grinder
- Herbert Twin Spindle Drill
- Sealey Parts Cleaning Tank
- Magido Parts Cleaner
- Metalas Parts Cleaner
- Mk4 101 Parts Cleaner
- Rotajet Parts Cleaner
- Press with Wide Table
- Small Press No.1 (12 Ton)
- Small Press No.2 (12 Ton)
- Small Press No 3 (12 ton)
- Large Toggle Press
- Toggle Press
- Demagnetising Machine
- Union Centres
- Shadowgraph with DRO
- Graphotype Machine
- Avery 6403 Hardness Tester Oven
- Extraction Unit and Table
- Sets of Racking

October 2nd Collective Auction

1st Machinery Auctions are offering various Machines from Various UK Sites.
Please see each lot for details.

Online Auction Date: Thursday 2nd October 2014 – 3pm BST.
Viewing Dates: Appointment only – info@1stmachineryauctions.com

Leadwell LT-20SM CNC Lathe with Driven Tooling (1999)

Amada Promecam ARIES 245 Amadon 04PA CNC Control Punch with Pressure Mats

Hartford HV-60 Vertical Machining Centre

Hurco BMC4020 Vertical Machining Centre (1997)

Single Storey Portakabin

Hare HP 25 Ton Press

LVD LASER HELIUS 2513

Kitamura H300 Horizontal Machining Centre

- MHP Model MT-65 CNC Lathe. With Fanuc 0T Control
- COOLJET Systems 70-30 High Pressure Unit
- ELBO AR1000 Tool Presetter
- Cutmaster ST3000
- P J Hare, 12 Ton Hydraulic 12 BS Press 1981
- HARE 5BS Hydraulic Press
- HME GP 75 Power Press
- TOS FA3A U, Universal milling machine
- Lumsden 48" Rotary Grinder
- Meddings Drill with Pneumatic Feed Unit and Speed Indexer
- Ingersoll-Rand Compressor 3hp 150ltrs Model EN3V30B
- ABAC 150 3hp 150ltrs Ps 11Bar Compressor
- SPRINT "E1" Capacity Plugboard Auto Single Spindle with Bar Feed
- Startrite C350 Saw
- Crane Jib & Hoist

October 9th AUCTION

1st Machinery Auctions are offering various Machines formally used by a precision engineering company.
Call us for more details: 0845 287 1290 info@1stmachineryauctions.com

Online Auction Date: Thursday 9th October 2014 – 3pm BST. Location: Sligo, Ireland
Viewing Dates: Appointment only

Gildemeister CTX420 CNC Lathe

Hurco VMX24S VMC

Minini PL65.8 Surface Grinder with DRO

Kaeser SM11 Screw Compressor

Ramsell Naber Heat Treatment Oven 1300˚c

AEW Oven - 400˚c

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On Instructions from I.J. Gould & E.T. Kerr of BDO LLP
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ENGINEERING, HYDRAULIC, PLANT AND MACHINERY, RACKING AND ASSOCIATED PLANT

Forte 400 Horizontal Metal Cutting Bandsaw
Ward Soraluce TRU50 Radial Arm Drill
Harrison 600 Lathe : Jones & Shipman Grinder
Birkett Cut Master WPD20/15LAB C downstroke cutoff saw
Airflex 424 gear box test bed with power pack
Schwing hydraulic test rigs
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200 T HES press with power pack bench and safety cage
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3M T slot table with Norbar static torque meter
C E Johansson granite table : Parkson gear tester
Jones & Shipman balancer : Baty shadowmaster
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Metaserv rotary pre grinder : Vickers hardness tester

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Hydralok SFF2E : Small cut off unit Hydralok T40T
Hydratro hydraulic hose pressure test unit

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Deawalt bench bandsaw DW3501
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GENERAL & PALLET RACKING

Genie Cherry Picker Z34/22 : Eton 2000kg elec fork lift
Ingersoll-Rand P150 Compressor
HPC ASK 32 T Rotary Screw Compressor
Orwak 50.31-B waste bailer : 20T digital crane scales
A large quantity of pallet and stores racking

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See bidspotter website for further details

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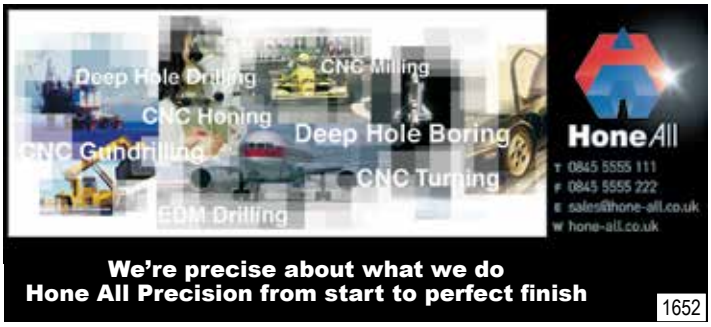

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