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- Parts catcher

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ADIPEC 2016 – less than one month to go

ADIPEC 2016, which takes place on 7-10 November in Abu Dhabi, United Arab Emirates, will be staged across 130,000 m² of dedicated exhibition floor space. Over 2000 exhibitors are expected to be present, along with around 95,000 visitors from the oil and gas industry. The organisers anticipate that around £9.7bn of business will be conducted on site. In addition, the show's technical conference has received a record 2700+ abstract submissions, with 700 speakers and 8500 delegates expected.

It is reassuring to know that in the Middle East and North Africa, there are still an estimated $331bn worth of oil and gas projects planned or underway. The GCC accounts for the lion's share of this project pipeline, with Saudi Arabia and the UAE holding about 46% of project undertakings, coupled with major opportunities in Algeria, Egypt and Iraq.

As always, MTI will be handing out extra printed copies of its show issue to ADIPEC visitors from the company's dedicated stand (121244). Any show visitors are welcome to call by and collect their free copy from our friendly team.

For further information www.adipec.com

GCC manufacturing summit date set

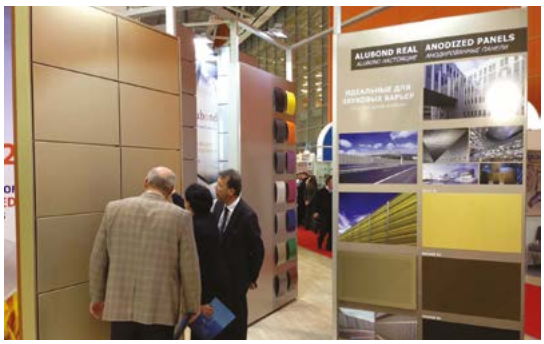
The GCC Manufacturing Excellence and Technology Summit will lay emphasis on achieving operational efficiency and best practice in the manufacturing industry. With the Dubai Economic Council as a strategic partner, this event is one of a kind in the region that is designed to provide a platform for the exchange of dialogue between manufacturing professionals, policymakers, free zone authorities, consultants and technology providers. The conference will be held on 14-15 November 2016 at Sofitel Dubai Palm Resort & Spa.

For further information www.gccmanufacturing.com

Alubond invests in $50m facility

Alubond USA will set up world's largest A2 fire-resistant panel manufacturing facility in the UAE to increase its production capacity up to six million square metres annually by the first quarter of 2017. The company, which is a specialist in fire-resistant aluminium composite cladding, has a similar facility in Turkey with a capacity of two million square metres per annum, and can now produce up to eight million square metres of panels a year.

Alubond is the only A2 brand in UAE and Middle East which has obtained UAE Civil Defense certification. The company says it has emerged as the world's largest metal composite cladding brand with additional production bases in Europe and India. Recently introduced production bases in Sri Lanka and Saudi Arabia increased the installed capacity of metal composite panels to over 25 million square metres and coil coating capacity to over 20,000 tonnes per annum.



For further information www.alubond.com

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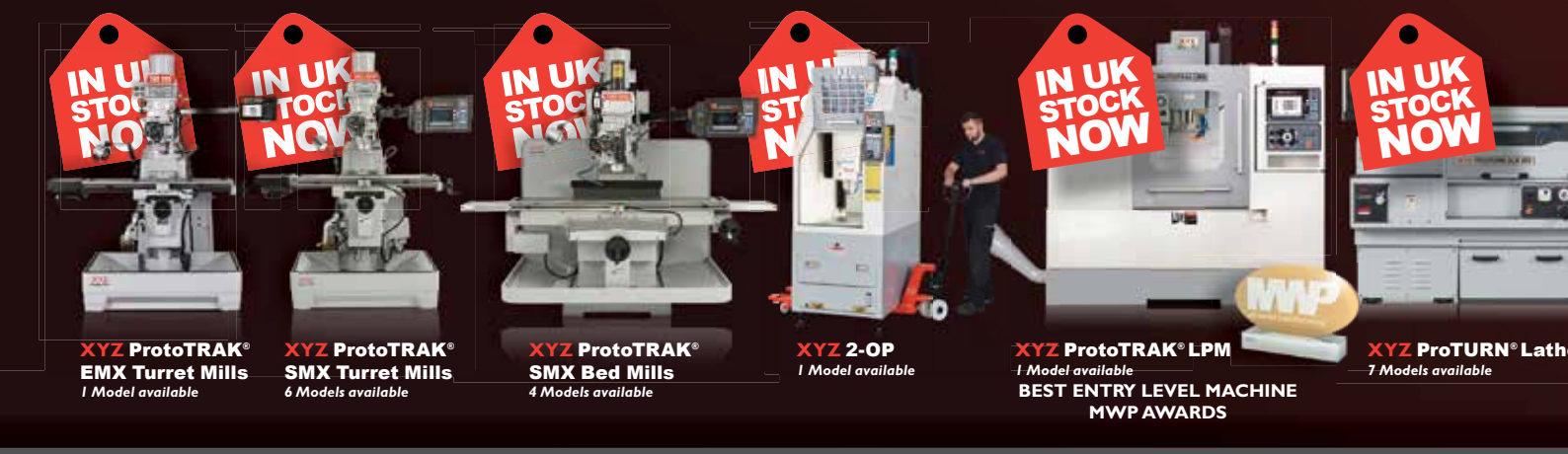

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1 Model available

XYZ ProtoTRAK® SMX Turret Mills
6 Models available

XYZ ProtoTRAK® SMX Bed Mills
4 Models available

XYZ 2-OP
1 Model available

XYZ ProtoTRAK® LPM
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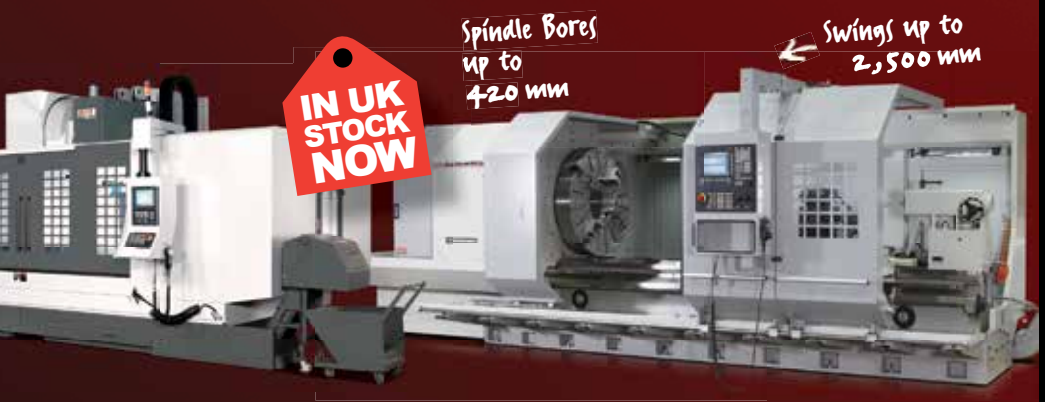

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Experience Industry 4.0

Okuma will host an open house in order to provide customers, distributors and media representatives with a first-hand look at the manufacturer's approach to the fourth industrial revolution. Via the real time simulation of a state-of-the-art smart factory, visitors will gain valuable insight into the challenges and opportunities presented by Industry 4.0. The one-day event will be held on three consecutive days from (25-27 October) at Okuma's European headquarters in Krefeld, Germany. All of the machines in the showroom will be network connected in order to accurately mimic the exchange of data in a smart factory.

For further information
www.okuma.eu

Mapal creates new position

Boasting impressive year-on-year growth and job creation figures that both currently stand at over 20%, Mapal UK has again added to its team with the arrival of Eugene Nugent as the company's new national sales manager. "To facilitate the progression of the Mapal brand in existing and new target sectors; and to ensure our exceptional customer support levels continually advance, this new role is key to our business strategy," says Mapal UK's managing director Wayne Whitehouse. "The role will also see the latest product developments and advancements being expedited to our end users to enhance customer experience and productivity."

For further information
www.mapal.com

Manufacturing & Measurement roadshow

GTMA will host its 10th Manufacturing & Measurement roadshow on 13 October 2016. The event will be held at the Concord Sports Centre, Sheffield. It has free parking for over 140 vehicles and registration starts from 08:30 (the event finishes at 16:00) with free refreshments provided. A key focus of the roadshow will be over 40 UK inspection, metrology and measurement companies, as well as engineering specialists in fixtures, toolmaking, additive manufacturing and associated products and services.

Keynote speakers will include representatives from blue chip manufacturing companies including Rolls-Royce, Jaguar Land Rover and Renishaw. The chairman of the event will be Roger Digby, group technical director at Exova Group.

For further information
www.measurementinmanufacturing.co.uk

PSL joins line-up at Tornos open house

PSL Datatrack will be offering information on the latest features of its Datatrack production control software to visitors attending the 2016 Tornos open house, which is being held at the Tornos technology centre in Coalville on 11-13 October. The 2016 version extends the versatility and appeal of PSL Datatrack with a number of new features, including faster allocation and delivery from stock, greater flexibility and assistance with purchasing, more user control over workshop scheduling dates, and more detailed analysis and monitoring of shop floor achievement targets.

For further information
www.psldatatrack.com

Starrag and TTL present turbine solutions

Aerospace production engineers from throughout the country heard all about how Starrag achieves its 'engineering precisely what you value' mission when Starrag UK and sister company TTL unveiled to a UK audience their latest developments in turbine machining technologies. These ranged from Starrag's most recent blade and blisk production trends through to the cryogenic cooling of tools (in conjunction with Walter), TTL adaptive machining technologies for aerofoil repairs, and how Starrag has combined milling and turning for the complete of turbine casings on a single machine.

Presented at the AMRC in Sheffield, delegates enjoyed a full agenda of presentations and demonstrations, including an insight into the benefits of the RCS aerofoil milling software and an outline of Starrag's expertise at developing flexible manufacturing solutions for turbine blades. This included details of the milling and turning of a 500 mm long by 660 mm diameter aero engine compressor casing (typically Inconel or titanium) with wall thicknesses down to 5 mm on a Starrag STC 800 MT.

For further information www.starrag.com

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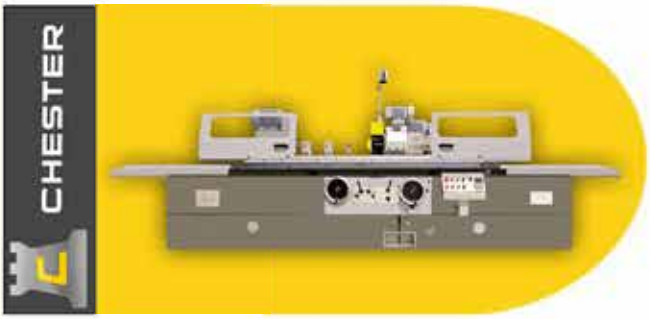
- 7.5kW Motor

VB1250 Boring Machine

Ex Stock UK

- Worktable Diameter: 1000mm
- 2-200 rpm
- Max Workpiece Weight: 3,000kg



UG50x2000 Cylindrical Grinder

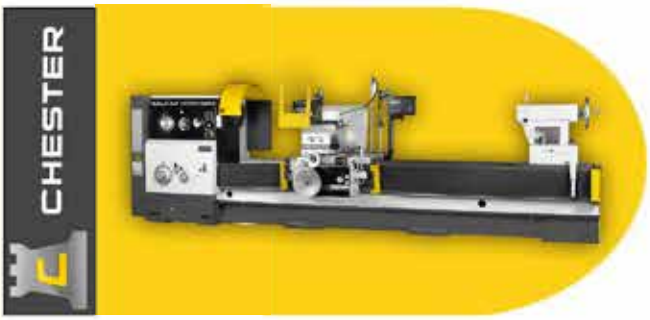
Ex Stock UK

- Centre Distance: 2,000mm
- Centre Height: 180mm
- Swivelling Angle: +/- 90 deg
- 1670 rpm
- 5.5kW Motor

S60RT Milling Machine

Ex Stock UK

- Table Size: 2000 x 560mm
- Longitudinal Travel: 1500mm
- ISO50 Spindle Taper
- 3 Axis DRO, 3 Axis Table Feed
- Max. Table Load: 1,500 kg



Halifax 1030x3000 Lathe

Ex Stock UK

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

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Midlands Factory: Unit 4 Plant Lane Business Park, Zones 2/3 Burntwood Business Park, Off Ring Road, Burntwood, Staffs, WS7 3GN, United Kingdom

£0.25m welding cell

William Hughes has announced that it has invested over £0.25m in a high specification twin-robot welding cell. The new welding cell was supplied by Bauromat with Fanuc robots, all installed at William Hughes UK headquarters in Stalbridge, Dorset. It features advanced weld monitoring and recording, ensuring that high standards of quality and consistency are maintained for customers. The welding cell is in operation 24 hours a day during the working week and is currently being used for the bulk manufacture of seat frame backs for a SUV. This particular assembly has 56 welds and uses 25 wires.
For further information www.wmhughes.co.uk

AE sponsor

Advanced Engineering returns to Birmingham's NEC on 2-3 November 2016 with the Institution of Mechanical Engineers (IMechE) on board as an official show supporter. As part of the deal, IMechE will be running two one-day technical conferences live on the show floor, focusing on the aerospace and automotive sectors. Advanced Engineering 2016 brings together a number of events to showcase over 700 exhibiting suppliers.
For further information www.advancedengineeringuk.com

Entries now open to Comau's automation Master programme

Following the success of the first five editions, Comau is now accepting applications for the new edition of the Second Level Specialising Master in Industrial Automation from Politecnico di Torino, organised together with Comau, and supported by funding from Regione Piemonte. The selection period for the sixth edition of the course is open until 11 November 2016. To date, more than 90 engineers who attended the Master programme have gone on to join Comau.

The training course, taught entirely in English, consists of 540 hours of lessons in the first year and 660 hours in the second year, and is devoted to project work within the company. Classes are taught by Comau's best managers and professors from Politecnico di Torino. The Master is free of charge for selected students.
For further information www.comau.com

UK climbs industry rankings

According to figures published by EEF and Santander, British manufacturing has continued to climb up the global rankings. The data shows that Britain is now the ninth largest industrial nation with an annual output worth $247bn. This accounts for some 10% of GVA for the UK economy, while manufacturing accounts for 14% of business investment and 68% of business R&D. This positive picture is reflected in data on employment and earnings where, according to the OECD, UK manufacturers have outperformed any country except the US for job creation since 2010.
For further information www.eef.org.uk

Mitutoyo acquires TAG Optics

Following the establishment of a technology and product-centric alliance between Mitutoyo and TAG Optics of Princeton, USA, the former says it has acquired a majority stake in the latter's shares. TAG Optics is the developer of variable focusing lenses which use sound to enhance optical inspection and metrology.

Originally announced in February 2016, the framework agreement between the two companies has, among other ongoing joint technological projects, led to the development of a new TAG lens with the ability to be mass produced by Mitutoyo.
For further information www.tag-optics.com

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MAZAK FH 4800
Horizontal Machining Center

Pallet size 400 x 400 mm—6PC
X-Y-Z 560 x 610 x 560 mm
Spindle speed 12.000 Rpm
Mazatrol 640M control

MAZAK Mega Turn A 12 MC
Vert. Turning Milling Center

Max. machining ø 1350 mm
Turning Height 1325 mm
RPM Turning 350/Milling 1500
Mazatrol T 32-2 control

MAZAK VTC 300 C-II
Vertical Machining Centre

Table size 2000 x 760 mm
X-Y-Z 1740 x 760 x 660 mm
Spindle speed 12.000 Rpm
Mazatrol Fusion 640 M

MAZAK Integrex E 800-II V
Turning Milling centre

Max turning ø 730 x 1000 mm
Spindle speed turning 1000,Rpm
Milling 12000 Rpm with 6 pallets
Mazak Matrix control

MAZAK Integrex E-410 H-II
Turning Milling Centre

Max. machining ø 660mm.
Turning length: 3060 mm
RPM Turning 3000/ Milling 12000
Mazatrol Matrix control

MAZAK Multiplex 630
Turning Centre

Max. machining ø 260 mm.
Turning length: 225 mm
Spindle bore 77 mm.
Mazatrol T Plus control

MAZAK FH 580-40
Horizontal Machining Center

Table / Pallet 500x500 mm
Spindle speed 12000 RPM
Number of Tables / Pallets 6
Mazatrol M-Plus control

MAZAK H 415
Horizontal Maching Center

Pallet size 400 x 400 mm—6PC
X-Y-Z 560 x 510 x 510 mm
Spindle speed 15.000 Rpm
Mazatrol M-Plus control

MAZAK Quick Turn Smart 100S
CNC Lathe

Turning Length 309 mm
Turning Diameter 200 mm
Spindle speed 6000 RPM
Mazatrol Smart control

Mazak Integrex 400 SY
Turning Milling Centre

Max. machining ø 610 mm.
Turning length: 1018 mm
RPM Turning 3000/Milling 6000
Mazatrol 640 MT control

MAZAK Super Quick Turn
250 MS Turning Centre

Max. machining ø 300mm.
Turning length: 757 mm
Spindle bore 65 mm.
Mazatrol T-Plus control

MAZAK FH 880 PMC
Horizontal Maching Center

Pallet size 800 x 800 mm—14 PC
X-Y-Z 1300 x 1100 x 1000 mm
Spindle speed 7.000 Rpm
Mazatrol M-Plus control

MAZAK Multiplex 620 MK II
Turning Centre

Max. machining ø 200 mm.
Turning length: 200 mm
Spindle bore 51 mm.
Mazatrol T Plus control

MAZAK H 400n
Horizontal Machining Center

Pallet size 400 x 4001mm
X-Y-Z 560 x 510 x 560 mm
Spindle speed 10000 Rpm
Mazatrol M32 Control

MAZAK V 655-80 2PC
Vertical Maching Center

Pallet size 2240 x 650 mm
X-Y-Z 2000 x 650 x 650 mm
Spindle speed 6.000 Rpm
Mazatrol M-Plus control

MAZAK MTV 414-22 5
5-Face/5 Axis Machining Center

Table / Pallet 900 x 410 mm
X-Axis travel 560 mm, Y-Axis Travel 410 mm, Z-Axis Travel 460 mm
Mazatrol PC Fusion 640 M control

MAMACH—the used Mazak specialist

AUCTION SPOTLIGHT

● BVA is conducting an online auction of metalworking machines located at Weert in the Netherlands. Lots include: CNC milling machines; a panel cutting machine; folding machines; guillotine shears; saws; presses; drills; lathes; sanders; welding equipment; a compressed air system; forklifts; a MAN truck with crane; trailers; power tools; and workshop inventory. Auction ends on 11 October. **www.bva-auctions.com**

● Gavel is facilitating an online auction of equipment used previously by Fairwood Fabrications. Lots include: 35 Esab and Hitachi MIG welders with feeders; a SAF Starmatic 1303 DC submerged arc welder; a Lobo modular scaffold system; a Johnstone Road sweeper; a Graco AquaMax 3540 diesel steam cleaner; Nilfisk and Big Brute industrial vacuum cleaners; and various power tools including Trumpf TruTool TKF 1500 bevellers and grinders. Viewing is on 10 October (09:30-16:00). First lot closes on 11 October at 10:00. **+44 (0)330 8080 113 www.gavelauctionsonline.com**

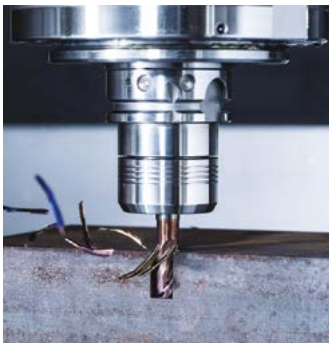
● Peaker Pattinson is staging an online tender auction by order of GKN Aerospace, Isle of Wight, UK. The auction offers a Henri Liné Macbormill 240 CNC plano mill manufactured in 2000. It is offered complete with three- and five-axis heads and a 20,000 x 3600 mm bed, while control is via Siemens Sinumerik 840D CNC. The specification also includes a 60-tool ATC, 100 HSK toolholders and a 50 mm thick vacuum table with hydraulic lift. Viewing is by appointment. Tender auction date is 20 October. **+44 (0)1778 590111 www.ppauctions.com**

● 1st Machinery is hosting an online auction of Citizen sliding head lathes used previously by a London-based precision engineering firm. Lots include Citizen Cincom C32 (2008), L32 (2008), L520 (2007 and 2003), M32 (2000) and L20 (1998) models. The machines will be relocated to the Midlands before auction end due to new machines arriving. Viewing is by appointment only with the auctioneer. Online auction date is 20 October at 15:00. **+44 (0)2476 992205 www.1stmachineryauctions.com**

● Cottrill & Co is holding an online auction of machines used formerly by Facts Precision Ltd. Lots include: a Mazak Nexus HCN-4000-II HMC with six-pallet changer; two Doosan Puma TTI 800SY CNC turning centres; three Mazak SQT 10M CNC lathes; four Mazak SQT 200M CNC lathes; two Mazak Quickturn Nexus 200-II MSY CNC lathes; a Mazak SQT 200MSY CNC lathe; two Mazak QT 6.G CNC lathes; and six Emco 420MCPlus Twin CNC turret lathes Bidding ends on 27 October (time TBC). **+44 (0)121 328 2424 www.cottandco.com**

UPCOMING FEATURES

17 October
Tooling



24 October
EDM

31 October
CNC mills and machining centres

7 November
Workholding

QUALITY CNC AND CONVENTIONAL EQUIPMENT

DOOSAN S550L 2 Axis CNC Slant Bed Lathe with Fanuc 21i-TB CNC Control. Year 2005. Maximum swing 710mm. Maximum turning dia.550mm. Maximum turned length 1130mm. Spindle speeds 30-2500 rpm. Spindle power 22 kW. Spindle bore 102mm. Bar capacity 88mm. Rapid Feeds X & Z 20 & 24m/minute. Tailstock taper 6MT. Tool setter. Coolant. Tailstock. Interlocked guards. Low Volt Light.

MAZAK Quick Turn Nexus 250-II CNC Lathe. Mazatrol Matrix Nexus Control. Year 2007. Swing over bed 610mm.Swing over carriage 350mm. Distance between centres 1000mm. Max machining length 995mm. X Axis travel 225mm. Z axis travel 1035mm. Spindle speeds 0-4000 rpm. Spindle nose A2-8. Spindle bore 87.8mm. Bar capacity 77mm. Turret 12 positions. Feed rate X/Z 0-30mm min/0-33mm min.

POREBA TRP-93 x 4000mm Gap Bed Centre Lathe. Re-conditioned by Poreba in 2012. Swing over Bed 930mm x 4000mm Between Centres. Swing in Gap 1148mm. Swing over cross slide 630mm. 800mm dia 4 Jaw Chuck. Spindle Speeds 8 to 800 RPM. Fixed 3 Point Steady 400mm dia. Spindle Bore 95mm. 4 Way Tool Post. Rapid Traverse to Saddle. Power Feed to Compound Tool Slide.

HURCO VM10i Vertical Machining Centre with WinMax Control. Year 2013. Table Size 762 x 356mm. Traverses X/Y/Z 660 x 406 x 508mm. Spindle Speeds 10,000rpm. Spindle Motor Power 11kW.Tool Change Capacity 20 Station. Spindle taper BT40. Rapid Feedrates 24m/minute. Machine Dimensions L x D 1806 x 1749mm. Machine Weight 1340 kgs.

HAAS VF-6D SE Vertical Machining Centre. Year 2008. Table Size 1625mm x 711mm. X = 1625mm. Y = 812mm. Extended Z Axis = 762mm (nose to bed 300mm up to 1062mm). 24 Position ATC. Spindle Taper BT40. Max Spindle Speed 7500 RPM. Spindle Motor 20HP. 4th Axis Interface. Extended Z Axis. Tool Setting Probe. Parts Measuring Probe.

BROADBENT STANLEY PA35 x 3,000mm Between Centres. 318mm Hollow Spindle Lathe. Year 2007. Spindle Bore 318 mm. Swing over bed 880 mm. Swing over cross slide 610 mm.Distance between centres 3000 mm. Spindle speeds Auto 4 steps (with inverter) 12 – 400 rpm.Cross slide travel 670 mm. Compound slide travel 450 mm.Tailstock quill Diameter 115 mm.Tailstock travel 200 mm.

EXCEL D560 x 1500 Gap Bed Centre Lathe with 2 Axis DRO. Year 2007.Swing Over bed 560mm. Swing over saddle 355mm. Swing in gap 790mm. Bed Width 350mm. Spindle Bore 80mm. Speed Range 25-1600rpm.Tailstock taper 5MT. Tailstock Quill Travel 180mm. Motor 7.5KW. Weight 2300Kg. Dimensions L x W x H 2840 x 1150 x 1460mm.

FRONIUS Compact Cladding Cell – FPA9000/CC TIG. Year 2013. Fronius Compact weld overlay cell system, comprising; Fronius FPA 9000 CC control system. Fronius model TT2200 wire feed unit. Fronius model T95000 power welding unit. 1,000mm dia rotary table.

BROADBENT STANLEY LC40 x 3,000 with Fanuc 18i-TB Control. 360mm Hollow Spindle. Year 2008. Swing over bed 1010mm. Width of bed 560mm. Swing over cross slide 760mm.Distance between Centres 3,000mm. Cross slide travel (X axis) travel.630mm . Longitudinal (Z axis) travel 3,000mm. Feed Rate (X axis) 0.001- 250mm/ rev. Feed Rate (Z axis) 0.001-400mm/rev. Spindle bore 360mm. Spindle nose A2-11.

PFAUTER PE500
CNC Gear Hobbing Machine
with Siemens Sinumerik Control.

KURAKI KBM 11X-P Twin Pallet 5 Axis Horizontal Boring & Milling Machine with Fanuc 16i-MB Control. Year 2003. Spindle dia. 110mm. Spindle speeds 5 – 3000 rpm. Spindle taper SK50. X/Y/Z/W 1500mm/1000mm/ 700 mm/350mm. Full B Axis indexing to 0.001°. Rapids X/Y/Z 12m/min. Rapids W 6m/min. 60 ATC. Table loading 2,200kgs. Main spindle drive (AC) 18kW.

GURUTZPE MODEL A -1600 CNC Oil Country Lathe with 360mm dia. Spindle Bore, Twin Chucks & Fagor 8055 Control. Year 2008. Centre height 610 mm. Swing over bed 1,200 mm. Swing over cross slide 800 mm. Distance between centres 3,000 mm. Spindle speeds 0 – 480 rpm. Spindle bore 360 mm.Spindle nose A-20.Front bearing dia. 430 mm.

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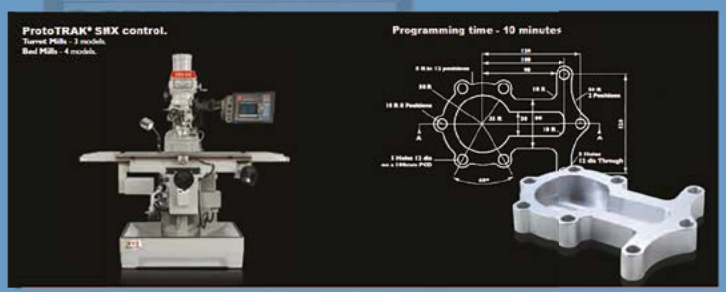

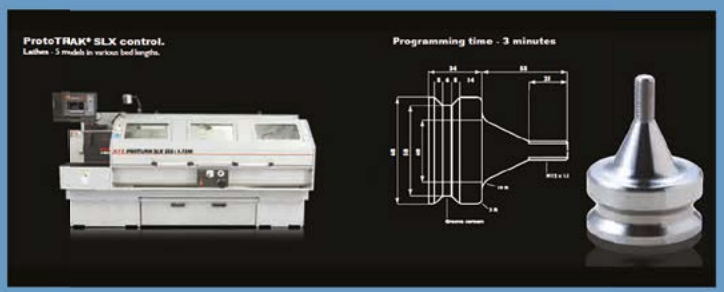

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Bringing the shop floor to the classroom

Training students to become CNC machinists has never been easier, according to Kris Richens, programme leader for engineering apprenticeships at Burnley College and one of its senior lecturers. His comment follows the acquisition last year of a Heidenhain Interactive Training (HIT) system comprising workbooks, server software and a network of 20 workstations for students. The material covers DIN/ISO programming, while a separate module teaches Heidenhain's conversational data input.

"When we train apprentices, BTec students and people studying for HNC Level 4 to program the proprietary Mazatrol CNC system fitted to our Mazak machine tools, we can only have two people standing at each of three vertical machining centres in our workshop," says Richens. "Things are even more restricted when teaching how to program turn-milling cycles on our Colchester lathe with Fanuc control, as only two students can be around the machine at a time.

"The HIT system is much more flexible and, as far as I know, unique," he adds. "Realistic training is carried out in a classroom environment with students sitting at a computer screen. In front of them is a programming station that is a PC-based replica of the company's iTNC 530 control panel, one of which is fitted to a three-axis Ajax training mill in our workshop. The only differences are that the classroom pad has a keyboard built in and there is no resident software, as that is provided from the server. Programs created by the students at their desks are downloaded directly to the mill so that the parts can be machined. It is seamless from lecture room to finished part."

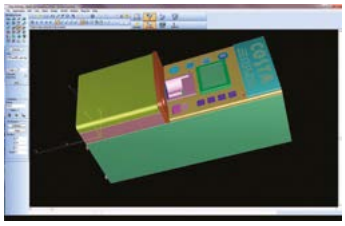
For further information
www.heidenhain.co.uk

Radan nests and bending "vital" for KMF

Manufacturing components for such diverse products as premium class aircraft seating, coffee vending machines and electrical distribution boards, the UK's largest sheet metal subcontractor says specialist CAM software is vital to nest a range of parts for several customers on the same sheet.

Operating from a 120,000 sq ft manufacturing facility in Staffordshire, KMF Precision ships around one million parts every month. Programming manager Stephen Gardener says the Radnest function within the company's Radan sheet metal CADCAM system from Vero Software saves time and reduces scrap.

"It plays a large part in our day-to-day business, and we use it in two different ways. Firstly, it consolidates large assemblies where we want to produce an exact amount of parts to match the bill of materials. A number of our assembly jobs consist of 100 or more parts, and the project nesting function means we can nest different materials and



thicknesses on different sized sheets. These would typically be saved as a project, with all nests retained under one job number.

"Secondly, it gives us the ability to nest small batch quantities," he continues. "If a customer wants five-off, we can nest them on sheets with components for other customers. But if we had to run a full sheet program for just five parts it could leave us with about 20% waste. As our batch sizes can vary from one-off to thousands-off, we have a full time nesting office analysing all jobs to see if the quantity justifies running its own nest program. If it doesn't, the parts will be separated and nested with parts for other customers. This way we can maximise sheet utilisation for any batch quantity."

For further information
www.radan.com

Used Structural Steel Machinery

Machinery Available from Stock

Ficep 1003 DZB – CNC Drilling & Sawing Line – Year 2005 *(STK-1391)*

- 18m In-Feed / 18m Out-Feed
- 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 A152 – CNC Angle Processing Line – Year 2003 *(STK-1324)*

- 12m Angle – 150mm
- Upright Leg Punching
- Material Loading Device
- 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-1391	Ficep	1003 DZB	2005	CNC Drill/Saw Line (22m/18m) Cross/Transfers	Dec-16	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-1324	Ficep	A152	2003	CNC Angle Punch/Shear Line	In-Stock	Angle Sections
USSM-STK-1291	Ficep	1001 DX	2003	CNC Drilling Line (15m)	In-Stock	Beams/Sections
USSM-STK-1291	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-1358	Voortman	V630 / Sabi Saw	2003	CNC Drill/Saw Line (18m/18m) Cross/Transfers	In-Stock	Beams/Sections
USSM-STK-1374	Kingsland	Multi 125 CNC	2007	CNC Plate Punch / Section Shear (Ironworker)	In-Stock	Plates/Sections
USSM-STK-1390	Vernet	FP 400	TBC	CNC Drill/Saw Line	Ex-Site	Beams/Sections
USSM-STK-1369	Kaltenbach	KF 1501	TBC	CNC Plate Profile/Drill Machine	Ex-Site	Plates Profiling
USSM-STK-1378	Peddinghaus	FDB 600	1989	CNC Plate Drill / Profile Line	Ex-Site	Plates / Drill / Profile
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-1379	Ficep	A164	2011	CNC Angle Punch/Shear Line	Ex-Site	Angle Sections
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-1362	Valmar	Side Loader	2007	Side Loader Fork Lift - 4.5T - 4.0M	Ex-Site	Material Handling
USSM-STK-1353	MMW	4013 / 4020 Shear	NEW	4M - 13MM or 20MM Shear	8 Weeks	Plates / Shearing

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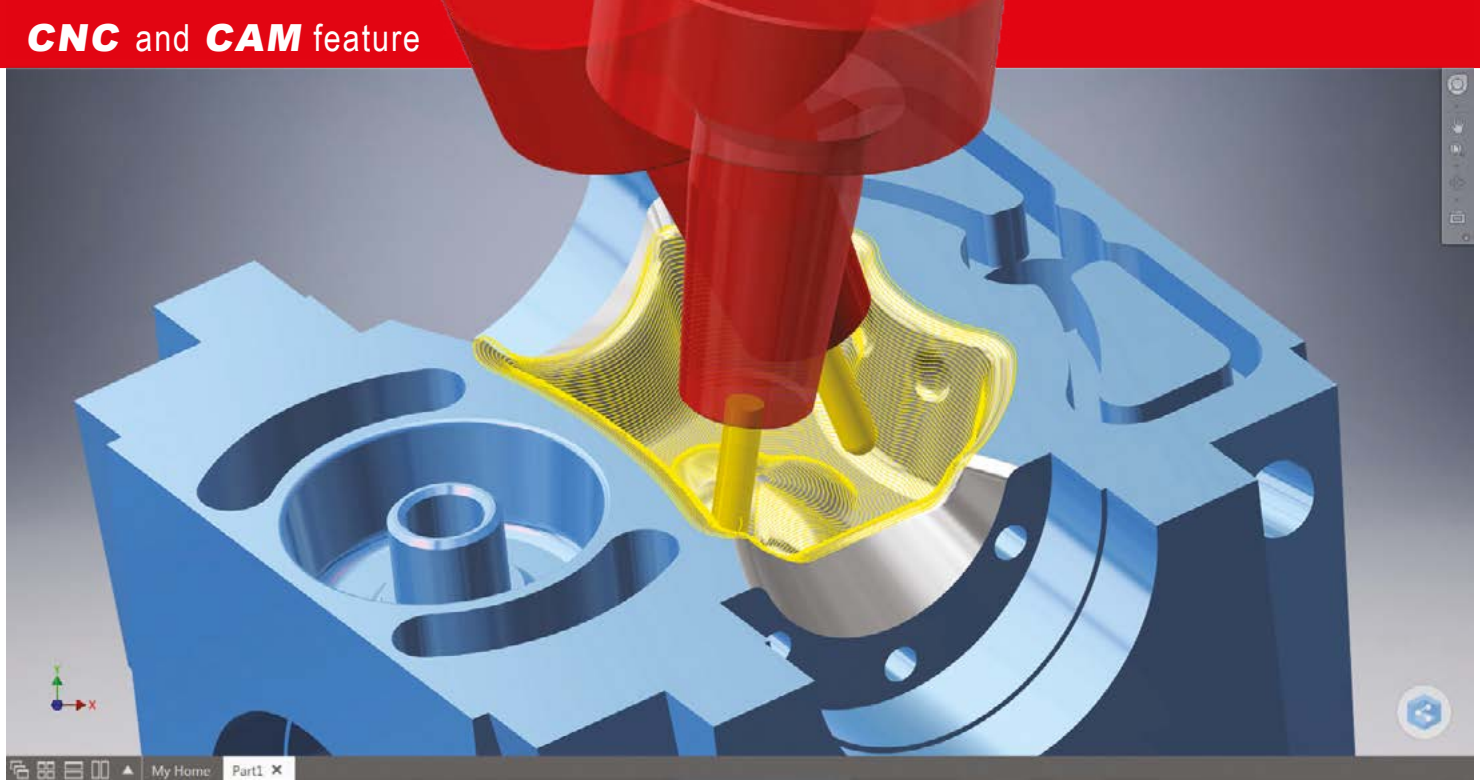


HyperMill 2016.2 certified for Autodesk 2017

HyperMill from Open Mind Technologies has been certified by Autodesk. This means that an integrated and autonomous workflow is assured when converting files from Inventor 2017 software to HyperMill. As a result, Open Mind says that the transition path from Inventor through the HyperMill CAM system and on to the CNC machine tool is completely seamless.

The necessary data association was confirmed following a rigorous test procedure for the latest edition of HyperMill 2016.2. This rigerous process was affirmed on the same database to increase common access, speed and efficiency, which ensures that errors are avoided and the workload for end users is reduced to a minimum. The big advantage is the changes in the CAD data that lead to an automatic update of the CAM operation. This is particularly convenient for Inventor users, as it allows these customers to invoke the entire CAM functionality of HyperMill within this familiar CAD interface.

HyperMill 2016.2 CAM offers a host of enhancements in 2D, 3D, five-axis and HPC machining. For instance, the HyperMill Maxx Machining HPC package has once again been expanded to incorporate five-axis tangent machining of any arbitrary faces with conical barrel cutters. The use of conical barrel cutters is said to enable performance increases of up to 90% compared with conventional production methods.

A further enhancement is the five-axis rest material roughing module. This has been designed to create high speed, optimised toolpaths for rest machining from a previous roughing operation.

For further information
www.openmind-tech.com

The right strategy for taking the brakes off

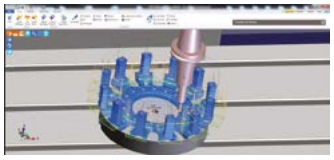
Automating much of its CAM programming for specialised motorsport braking pistons means Tamworth-Alcon Components can create CNC toolpaths for hundreds of variants in two minutes.

"If we didn't use Edgecam's Strategy Manager, our more complex pistons would take around four hours to program," says production engineer Warren Knight.

The pistons inside Alcon Components' brake calipers come in many different sizes, and as their typical batch size is relatively small and most parts are designed for a specific application, it would be impractical to spend several hours on programming.

"We use Strategy Manager to automate a considerable number of Edgecam's machining applications on the pistons," says Knight. "Individual features change considerably – such as being longer, shorter, having a smaller diameter, a larger diameter, smaller bore and longer bore, and also include mill slots, undercuts, holes and chamfers, among others.

"We simply load a piston into Edgecam, insert the Strategy



Manager files we need, and within two minutes we've got a program coming out for each variant," he adds. "It not only looks at sizes and features, but also changes speeds and feeds for different materials such as titanium, aluminium and stainless steel."

Knight uses Strategy Manager to build flexible strategies, utilising his own extensive knowledge of Alcon's requirements, in a simple flow chart format which defines the rules governing how the part will be machined, thus creating consistent, repeatable G-code.

Having used Edgecam at a previous employer since the turn of the century, he was largely responsible for Alcon installing it in 2015. He says coupling Edgecam and Strategy Manager with a new Doosan Lynx 220 for manufacturing the pistons has completely revolutionised the way the company works.

For further information
www.edgecam.com

Kemmerich Werkzeugmaschinen GmbH

FDM Fachverband des Maschinen- und Werkzeug-Großhandels e.V.

Thread-Worm-Grinding-Machine
REISHAUER US 500 E
No. **14103** new in: 1984
thread dia. 250 mm
grinding length 500 mm
thread pitch - mm

Bevel Gear Generator - Straight
KLINGELNBERG BF 204
No. **07681** new in: 1980
max. wheel diam 180 mm
gear width 60 mm

Gear Hobbing Machine - Horizontal
STANKO-KOLOM 5 B 370 x 3000
No. **08332** new in: 1985/2010
max. wheel diam 500 mm
gear width 3000 mm

Gear Testing Machine
KLINGELNBERG PFSU 1200 HP
No. **07712** new in: 1983/2001
max. wheel diam 1200 mm
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
workpiece diame 500 mm
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
rolling capacit 0 t
workpiece diame 340 mm
workpiece lengt 1000 mm

Rotor Milling Machine
HOLROYD 5 AC
No. **14010** new in: 1989
rotor dia 630 mm
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
max. wheel diam 800 mm
gear width 170 mm

more information and technical details: www.kemmerich.biz

Kemmerich Werkzeugmaschinen GmbH * Im Rottfeld 1a * 40789 Monheim/Rhein
info@kemmerich.biz * www.kemmerich.biz

Edge Connect CNC available from Hypertherm

Hypertherm, a manufacturer of plasma, laser, and waterjet cutting systems, is shipping a new CNC platform called Edge Connect. This next generation CNC contains a number of enhancements for operator ease of use, reliability and customisable performance.

New features include the latest version of Hypertherm's Phoenix software coupled with SureCut technology, as well as a software-based operator's console and embedded PLC feature called PLC Connect that is said to allow for greater customisation of a cutting machine with reduced costs.

Further improvements include enhanced CNC-based nesting for convenient operator programming with SureCut outcomes via ProNest CNC, and three new hardware options that are designed to improve performance, reduce weight and increase reliability.

"Our customers wanted greater functionality integrated into their cutting machines coupled with our embedded expertise," says Nathan Pascarella, CNC product marketing manager for Hypertherm. "Edge Connect delivers that through our new software applications running on this new hardware platform. In addition, the product offers greater flexibility for machine operators with ProNest CNC, a feature that allows SureCut outcomes to be programmed quickly and efficiently from the touchscreen interface."

Cutting machine customisation is further enhanced by quick and easy set-up through an EtherCAT communication platform and custom software configuration that allows for up to 12 axes through an online configurator. The hardware platform is the foundation while software selections enable any Edge Connect to be set for various cutting applications. Furthermore, cutting machine manufacturers can develop their own operator consoles and auxiliary programs using the Soft Op Con API and PLC Connect.

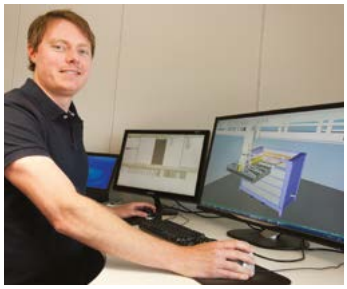
For further information
www.hypertherm.com

Automotive forming line simulation

It is now possible for customers of AP&T, a specialist in sheet metal forming solutions, to get an exact picture as early as the tendering stage of how their planned production line will function and perform in an authentic environment. Using an advanced simulation program, AP&T's technical sales team can visualise the production process and specify cycle times and production capacity with almost 100% precision.

"What the simulation shows is basically identical to what the customer will receive," says Magnus Svenningsson, director technical sales at AP&T. "For companies on the verge of investing in a production line worth many millions, having the best possible basis upon which to make decisions means making them is both easier and more secure."

The simulation program, Process Simulate, was developed by Siemens and is used within the automotive industry where AP&T has many of its largest customers. In order to satisfy AP&T's specific needs, distributor Summ Systems in Linköping, Sweden, together with Siemens, helped to produce



a working method for discrete event simulation.

"Together we have produced an excellent tool for discrete event simulation, whereby the machines included in the production line can communicate with each other through a virtual control system," says Andreas Vaktel, simulation engineer at AP&T. "This allows us to identify potential bottlenecks in the process early on, which otherwise would have been impossible to detect in traditional time-based simulation."

The program is also readied for virtual commissioning, which means that when the finished production line is in place at the factory, the simulation program can be used to start up the machines.

For further information
www.aptgroup.com

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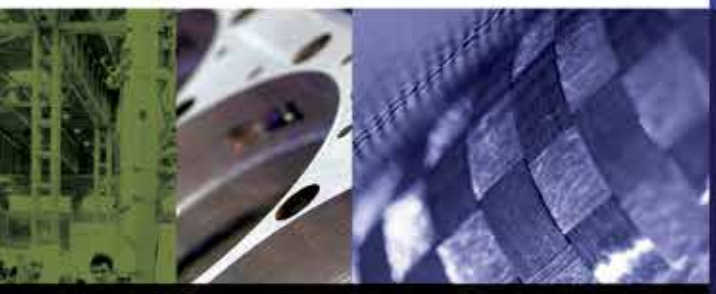

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CNC Boring mill

Union BFT 105

Control : Heidenhain 355
Table : 1.400 x 1.250 mm
Spindle diam. 105 mm
X/Y/Z/W: 1.750/1.250/1.250/600mm
Stock nr. : kot104

CNC lathe

Hyundai HiT 18 S

Control : Siemens
With deadcenter
With barfeeder : ± 40 mm
Toolchanger : 8
Stock nr. : draai668

Coordinate precision drilling machine

Mas VSP 50 CNC

Capacity: 50 mm
X/Z/W : 2.000/4.750/800 mm
Rev. drilling head: 20 - 3.150 r/min
Floorarea plates: 6.700 x 2.200 mm
Stock nr. : boor277

Vertical turret lathes

GTC-20090

Control : Siemens 810D
Chuck diam: 1.600 mm ø
Max. swing: 2.000 mm ø
Turningheight: 1.600 mm
Stock nr. : draai612

Vertical turret lathes

Pietrocarnaghi AC 10 CNC

Control: Siemens 850 M/E
Chuck diam: 1.000 mm
Max. swing: 1.400 mm
With c-axe + milling
Stock nr. : draai630

Vertical turret lathe

Dorries VCE 2400/220

Control: Siemens Sinumerik 840C
Chuck diam: 2.200 mm ø
Max. swing: 2.400 mm ø
With c-axe + milling
Stock nr. : draai641

CNC lathe

Mazak Multiplex 620

Control : CNC Mazatrol T32-6
Between centers : 1.180 mm
Swing over bed : 390 mm ø
Spindle boring : 61 mm ø
Stock nr. : draai588

CNC lathe

Tacchi HD/3-140 LS CNC

Control: Siemens Sinumerik 840 D
Distance between centers: 20.000mm
Swing over bed: 2.000 mm
With c-axe + milling
Stock nr. : draai638

CNC lathe

VDF Wohlenberg DN1060

Control: Siemens 840 (+/-2006)
Distance between centers: 3.000 mm
Centerheight: 550 mm
Swing over bed: 1.100 mm ø
Stock nr. : draai647

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Machining Center

Kao Ming KMC-700HV

Control: Fanuc 15-M
Table: 700 x 700 mm (2x)
X/Y/Z : 1.050/800/950 mm
R.P.M.: 20-6.000 RPM
Stock nr. : frees468

Machining Center

Deckel Maho DMU 50 T

Control: Heidenhain
Table: 700 ø x 500 mm
X/Y/Z : 500/400/400 mm
Intake: SK 40
Stock nr. : frees474

Bed milling machine

Anayak HVM-11000-PC

Control: Heidenhain iTCN530
Table: 1.500 x 11.000 mm
X/Y/Z : 10.300/1.200/1.500 mm
R.P.M.: 60 - 3.000 RPM
Stock nr. : frees430

Bed milling machine

I.M. Parpas ML 90/4000

Control: Heidenhain TNC 426 M
Table: 3.000 x 3.000 mm
X/Y/Z : 4.000/2.000/2.000 mm
R.P.M.: 5.000 RPM
Stock nr. : frees405

Bed milling machine

Lagun GNova MM6

Control: iTNC Heidenhain 530
Table: 2.000 x 5.000 mm
X/Y/Z : 6.000/1.200/2.000 mm
R.P.M.: 3.000 rpm
Stock nr. : frees386

Bed milling machine

Soraluce Soramill SL 5000

Control: Heidenhain TNC 415 B
Table: 800 x 5.000 mm
X/Y/Z : 3.500/900/1.000 mm
R.P.M.: 2.000 RPM
Stock nr. : frees336

Machining center

Mazak FH 880 PMC

Control: M plus
X/Y/Z : 1.300/1.100/1.000 mm
Pallet size: 800 x 800 mm
Number of pallets: 14
Stock nr. : frees448

CNC Boringmill

Wotan Rapid 5C

Control: Heidenhain iTNC 530
Spindle diameter: 160 mm
X/Y/Z : 10.000/3.800/700 mm
Retrofitted by Dories Scharmann
Stock nr. : kot142

CNC Boringmill

Juaristi MDR105 CNC

X: 1.000 mm
Y: 1.000 mm
Z / W: 1.000 mm
Year of make: 1983
Stock nr. : kot162

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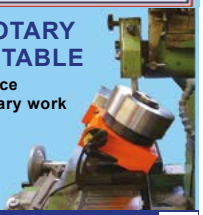

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Dah Lih MCV-1200
CNC Vertical Machining Centre
Installed: 2012, Fanuc 0i-MD, table size 1,300mm x 640mm, X = 1,200mm, Y = 600mm, Z = 500mm, spindle speed: 15,000rpm.

Dah Lih MCV-1020BA
CNC Vertical Machining Centre
Installed: 2007, Fanuc 0i-MC, table size: 1,300mm x 660mm, X = 1,020mm, Y = 550mm, Z = 560mm, spindle speed: 8,000rpm.

Dah Lih MCV-720
CNC Vertical Machining Centre
with 4th Axis Rotary Table
Installed: 2007, Fanuc 0i-MC, table size 950mm x 560mm, X = 720mm, Y = 460mm, Z = 510mm, spindle speed: 8,000rpm.

Dah Lih MCV-720
CNC Vertical Machining Centre
Installed: 2007, Fanuc 0i-MC,table size: 950mm x 560mm, X = 720mm, Y = 460mm, Z = 510mm, spindle speed: 8,000rpm.

Dah Lih MCV-720
CNC Vertical Machining Centre
with 4th Axis Rotary Table
Installed: 2005, Fanuc 0i-MB, table size 950mm x 560mm, X = 720mm, Y = 460mm, Z = 510mm, spindle speed: 8,000rpm.

Dah Lih MCV-510
Vertical Machining Centre
Installed: 2008, Fanuc 0i-MC, table size 700mm x 410mm, X = 510mm, Y = 360mm, Z = 410mm, spindle speed: 8,000rpm.

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Installed: 2007, Fanuc 18i-TB, 8in chuck, 12-station turret, quick tool setter, max turning length: 510mm, parts catcher and conveyor, swarf conveyor.

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MIKRON UCP 600
Year of production: 2005
CNC HEIDENHAIN iTNC 530
X: 530 mm
Y: 450 mm
Z: 450 mm
B: -115° +30°
C: 360°

CNC Vertical Machining Center
HURON KX 10
Year of production: 2001
CNC HEIDENHAIN
X: 1000 mm
Y: 700 mm
Z: 550 mm

CNC Vertical Lathe
DOOSAN PUMA VT 450
Year of production: 2008
CNC FANUC
Max turning diameter: 450 mm
Max turning height: 450 mm

CNC Lathe
MICROCUT BNC- 2680 XXL
ocular, tailstock
Year of production: 2007
CNC FAGOR
Turning diameter over bed: 650 mm
Turning length: 2 000 mm

CNC Vertical Milling Machine
ALMAC CU 1005
Year of production: 2010
CNC FANUC Oi MC
X: 220 mm
Y: 120 mm
Z: 230 mm

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

Cell with welding robots
MOTOMAN YR-UP6-A00
Year of production: 2004/2005
CNC MOTOMAN XRC
Number of robots in cell: 2 pcs.
Axis range: S: +/-170°
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X: 2 000 mm, Y: 1 700 mm, Z: 1 450 mm, W: 650 mm, B: 360°

5 AXIS

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

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

CNC Horizontal Machining Center **TOSHIBA BMC 800**
2-pallet, Year of production: 2001, **CNC TOSNUC 888**
X: 1 600 mm, Y: 1 250 mm, Z: 1 000 mm

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

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FLOOR TYPE BORING SCHIESS FRORIEP SPD 150MM DIGITAL TRAVELS 7000X3700MM SKODA TABLE 2000X2000MM

CNC TURNING MORI SEIKI SL 300 YEAR 98 FANUC

GEAR SHAPER MAAG SH 180/300 CAP 3,000MM

GEAR HOBBING STANKO YEAR 1999 CAP 1250MM

GEAR HOBBING PFAUTER P630 YEAR 2000 CAP 630MM TOOLING

CNC CENTRELESS ESTARTA 318MV YEAR 99 SIEMENS

TURNING SCULFORT 6000X1350MM BORE 210MM TOOLING

CNC GEAR HOBBING GLEASON PFAUTER P 400 YEAR 2002 SIEMENS 840D

VMC MAKINO V 55 YEAR 2000 FANUC 14000RPM TRAVELS 900X500MM

CNC VTL FRORIEP TABLE 1400 MM

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VERTICAL MACHINING CENTER HYUNDAI YEAR 2001 TYPE SPTV 32S-605 SIEMENS 840C TRAVELS 1500X700MM 60ATC

CNC GEAR GRINDING HOFLER NOVA 1000 YEAR 1999 CAPACITY 1000MM

TURNING CAZENEUVE HB 725X5000MM DIGITAL CAPACITY 5000X725MM

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VTL KOLOMNA:
Max turning diameter: 8000 mm
Max turning height: 3240 mm
Max workpiece weight: 125 000 kg
Table diameter: 7100 mm
Max slider stroke: 2000 mm
Max travel of cross slide: 4400 mm

VTL SC 17 CNC
Control Siemens 810D
Table diameter 1400 mm
Turning diameter 1700 mm
Max. height under cross rail 1600 mm
Max. height under tool holder. 1400 mm
Max. workpiece weight 9 000 kg
Main drive motor power 40 kW
Table rotary 1,5-300 rev / min

CYLINDRICAL GRINDING MACHINE BUC 63 CNC
Year of manufacture 2004. Control CNC Siemens 810 D. Touch probe Renishaw. Steady rests. Technical details: Max. grinding diameter: 630 mm. Max. grinding length: 3000 mm. Max. workpiece weight: 4000 kg.

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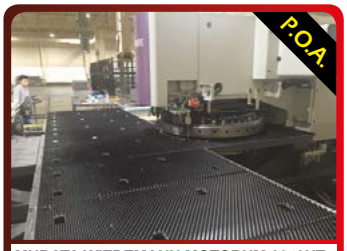

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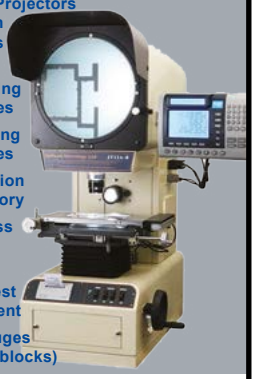

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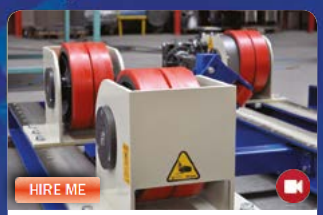

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Online Auction Sale
CNC Machine Tools formerly used by CNC Speedwell

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WORLDWIDE ASSET DISPOSALS

Bidding Ends: Tuesday 1st November 2016 at 3.00pm (UK Time) Viewing by Appointment only

- **Chiron** DZ15 W Twin Spindle Vertical Machining Centre with Fanuc 18i MB5 Control (2006)
- **Chiron** DZ15 W Twin Spindle Vertical Machining Centre with Fanuc 18i MB5 Control (2004)
- **Chiron** DZ15 W Twin Spindle Vertical Machining Centre with Fanuc 18i Control (2004)
- **Chiron** DZ15 W Twin Spindle Vertical Machining Centre with Fanuc 18i MB5 Control (2002)
- **Nakamura** WT-300 Twin Spindle CNC Lathe with Fanuc 18i-TB Control (2006)

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

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Online Auction Sale

CNC and Conventional Machine Tools formerly used by JJ Churchill

Cottrill & Co.
WORLDWIDE ASSET DISPOSALS

Bidding Ends: Tuesday 25th October 2016 at 3.00pm (UK Time)

Viewing by Appointment only with the Auctioneer

- **Chiron** Type Mill 3000 Vertical Machining Centre with Siemens Sinumerik Control, Nikken 4th Axis Unit, 40 Station Tool Changer, Swarf Conveyor and Coolant Management System, Table Size: 3.6m x 700mm (2006)
- **HAAS** VF6ce 40 Vertical Machining Centre with HAAS Control, 40-Station Tool Changer, Table Size: 64" x 28" (2001)
- **Matsuura** H-Plus-405 Twin Pallet Horizontal Machining Centre with Matsuura G-Tech 16i Control, Swarf Conveyor & Management System, 50 Station Tool Changer (2004)
- **Matsuura** H Plus 300 - 11 APC Horizontal Machining Centre
- **Deckel** Maho DMU50 Evolution Machining Centre with Heidenhain TNC 530 Control, 32-ATC, Swarf Management System, Swarf Conveyor, Table Size: 500mm x 380mm (2003)
- **Huron** J2 Milling Machine with Heidenhain D.R.O, Table Size: 41" x 14" (1990)
- **Newhall** Jig Borer with Sony D.R.O & Table Size 43" x 24"
- **Newhall** Jig Borer with Heidenhain D.R.O & Table Size 43" x 24"

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Online Auction Sale

Gear Machinery and Workshop Equipment no longer required by a Glasgow based Manufacturing Facility

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WORLDWIDE ASSET DISPOSALS

Bidding Ends: Wednesday 26th October 2016 at 3.00pm (UK Time)

Viewing by Appointment only with the Auctioneer

- **Buderus** 332 CNC Grinder with Siemens Control
- **Buderus** 332 CNC Grinder
- **(2) Hey** No.3 Face and Centre Machines
- **Hey** No10 CNC Gear Tooth Rounding Chamfering Machine (1995)
- **(3) Drummond** Maxicut HD200 Gear Shapers (1974-79)
- **(4) Drummond** Maxicut 150 Gear Shapers (1978-80)
- **Sykes** Genamec Gear Shaper
- **(2) Sykes** S 6 Gear Shapers
- **Churchill** Model MK1V Rigid Hobber
- **Churchill** Model S815 Rigid Hobber
- **Churchill** SAU8 Universal Gear Shaver
- **(5) Churchill** GS8 Universal 8" Gear Shavers
- **Hey** No18 Twin Spindle Gear Deburring Machine
- **(2) Hey** 18A Gear Deburring Machines
- **(2) Hey** No10 Gear Tooth Rounding, Pointing Chamfering Machines
- **Hurth** ZEA1 Gear Chamfering & Gear Deburring Machine
- **Maxnova** Model 3225 Roto-Flo Spline Roller
- **(4) Matrix** Broach Machines
- Qty Broaches
- **Newhall** Grinder
- **(3) Cincinatti** Horizontal Mill
- **Churchill** Gear Tester
- **CGM** Model GSC10 Gear Tester
- **David Brown** CMM Gear Checker
- **Mistral** 100707 Coordinate Measuring Machine
- **David Brown** CMM Gear Checker
- **Mistral** 100707 Coordinate Measuring Machine
- **Coventry** Gauge Shadowgraph
- **M&M** CMM Gear Checker
- **Goulder Mikron** R3 Gear Tester
- **Maag** Model PH60 Gear Tester
- **Parkson** 15N Gear Tester
- **Ferranti** Surfcom Manual Profile Inspector
- **(2) Hartle** 6-Ton Hydraulic Presses
- Qty **Mills, Hare & Flange** Presses
- **(2) DMTECH** Sealant Dispensers
- **Loctite** Sealant Applicator
- **Moore** Model VCS11 Shim Selector
- **Pryormarking Technology** System Pin Stamper
- **Churchill** 3.5-Ton Flypress
- **Jones & Shipman** Single Spindle Drill
- **Edbro** Automatic Drilling Machine
- **(2) Cannings** Polishers with DCE Extraction Units
- **PDJ** EUP-10 Vibro Plant (2012)
- **Vacublast** International Shot Peener
- Inch Head Wash with Roller Conveyor
- **Lawrence King** Wash with DCE Extraction Unit
- **Tangie** Wash with DCE Extraction Unit
- **Wash** Type Tunnel plus many more items

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Online Auction Sale

Late & Modern CNC Machine Tools & Other Associated Equipment previously used by Facts Precision Ltd

Cottrill & Co.
WORLDWIDE ASSET DISPOSALS

Bidding Ends: Thursday 27th October 2016

- **Mazak** Nexus HCN-4000-II Horizontal Machining Centre with 6-Pallet Changer (2008)
- **Doosan** Puma TT1800SY CNC Turning Centre (2010)
- **Doosan** Puma TT1800SY CNC Turning Centre (2007)
- **Mazak** SQT 10M CNC Lathe (2000)
- **Mazak** SQT 10M CNC Lathe (1999)
- **Mazak** SQT 10M CNC Lathe (1990)
- **(2) Mazak** SQT 200M CNC Lathes (2001)
- **(2) Mazak** Quickturn Nexus 200-II MSY CNC Lathes (2008)
- **Mazak** SQT 200MSY CNC Lathe (2002)
- **(2) Mazak** SQT 200M CNC Lathes (2001)
- **(2) Mazak** QT 6.G CNC Lathes
- **(6) Emco** 420MCPlus Twin CNC Turret Lathes (2002-04)
- **Yamazaki Mazak** VTC-20C VMC (1999)
- **(2) Yamazaki Mazak** VTC-200C VMC's (2000)
- **Mega** BS-300HAS Horizontal Bandsaw (2000)
- **Pedrazzoli** Circular Saw (1997)
- **Hydra** TRK 50 Recooler (1997)
- **Delapena** Honing Machine
- **(3) Sealey** PDM 125B Pillar Drills
- **Tecna** 3409 Spot Welder
- **Compair** 6075 Air Compressor
- **Safety Kleen** Mobile Parts Washer
- **Jones & Shipman** 540 Cylindrical Grinder
- **Meddings, Optimum & Kobe** Benchtop Drills
- **Trowal** BB40 Deburring Machine
- **Solothurn Agathuu** Tool Sharpener
- **IMS Impact** Coordinate Measuring Machine
- **Rank Talyrond** 200 Surface Measurer
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ONLINE AUCTION

Online Auction Of Machinery From BM Injection Ltd, Available Due To Reinvestment

Sale Closes: From 14:30 20th October
Location: Whitchurch, Hampshire

Hurco VM1 VMC, Year 2003, 10,000rpm

KRV4000 CNC Milling Machine, Prot-Trak MX2 Control

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ONLINE AUCTION

Online Auction Of Machinery From Stevens & Carlotti, Available Due To Reinvestment

Sale Closes: From 14:00 26th October
Location: Sandwich, Kent

TOSULIN SKQ 8 CNC Vertical Borer, Year 1997

Finn Power A5-20SB CNC Punch, Year 1997

Both Machine Still Onsite And Can Be Viewed Under Power

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NWP Engineering Ltd, a leading Southern precision engineering company, has excess machinery available due to New Machinery Purchase

Location: Wimbourne, Dorset. Viewing by Appointment only
Online Auction Date: Ends Thursday 13th October 2016 – 3pm BST

Bridgeport 5AX500
5 Axis (2004)

Sodick Premium AQ750L (LQW750)
Wire Eroder

Dugard Eagle VMC 1300
4th axis (2007)

Bridgeport HMC 700HP
(2004)

CITIZEN SLIDING LATHES October 20th

A London-based Precision Engineering Firm has various high quality Citizen Sliding Head Lathes available, which are being offered for sale due to further investment.

Location: to be relocated to the Midlands before auction end due to new machinery been delivered.
Online Auction Date: Thursday 20th October 2016 – 3pm BST. Viewing Dates: Appointment only Loading Facilities on Site - Free to Truck

Citizen Cincom C32 Sliding Head Lathe (2008)

Citizen Cincom L32 (2008)

Citizen Cincom L520 (2007)

Citizen Cincom L520 (2003)

Citizen Cincom M32 (2000)

Citizen Cincom L20 (1998)

JOMACH 32 5 Axis Mill

A leading precision engineering company is auctioning a JOMACH JOBS 32 5 Axis VMC due to reinvestment

Online Auction Date: Thursday 20th October 2016 – 3pm BST. Viewing Dates: Appointment only Location: Hamble, Sussex
Please contact us for a Decommissioning, Loading and Feight Quotation

JOB Jomach 32 5-Axis CNC
Travelling Gantry Milling Machine

CNC & Manual MACHINERY ONLINE AUCTION
October 26th

1st Machinery Auctions are offering Various Machines on behalf of a Leicester-based Engineering Company and others

Online Auction Date: Wednesday 26th October 2016 – 3pm BST. Please see each lot for details
Viewing Dates: Appointment only Contact us for more details: 02476 992205 info@1stmachineryauctions.com

Niigata HN80B Horizontal Machining Centre, Twin 800mm x 800mm

Cincinnati Sabre 2000 Vertical Machining Centre (1996)

Webster & Bennett 48" V series fixed rail Vertical Borer

Heid S500. P12 CNC Lathe with C axis and driven tooling and Seimens

Hitachi Seiki HT20SII – 400 CNC Lathe with C Axis, Milling and SubSpindle

Castek SDNC16PE/FD EDM Hole Drilling Machine (2004)

Hartford 1230 Vertical Machining Centre (1999)

HAAS HL20 CNC Lathe (1997)

Mazak QT10N CNC Lathe

Mazak QT10N CNC Lathe

Poreba TRP 63 MN x 2m CNC Lathe (2000)

MAZAK VQC-15/40 Vertical Machining Solutions

Chevalier FSG-1224AD Surface Grinder

Haas TM-2CE Toolroom CNC Milling Machine (2005)

- XYZ1550 Manual Gap Bed Centre Lathe (year 2000)
- Orbit GU35 - 150A Cylindrical Grinder
- Caterpillar EC15 Electric forklift truck with charger

PROGRESSIVE TECHNOLOGY

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Location: Newbury, Berkshire. Viewing by Appointment only
Online Auction Date: Ends Thursday 27th October 2016 – 3pm BST

XYZ Proturn SLX555 Lathe (2006)

Addison BMS320 Bandsaw

Bridgeport Series 1 Interact Mill

3 x Bridgeport Turret Mills

Jones & Shipman 540 Surface Grinder

Colchester Student 1800 Lathe

- Ajax Horizontal Mill
- Addison Bandsaw BMS320
- Wild Barfield Oven, Model HW0905
- Nikken 4th axis
- Nikken 4th /5th axis complete with electrical cabinet containing drive units
- Jones & Shipman 4th axis
- Delapena Speed Honer
- LNS Eco Load barfeed

VICTOR

1st Machinery Auctions is offering for sale a 2012 Victor V-centre 70 Twin Pallet Machining Centre previously used in the automotive industry

Online Auction Date: Thursday 3rd November 2016 - 3pm BST. Viewing Dates: Appointment only Contact us for more details: 02476 992205 info@1stmachineryauctions.com

Victor Vcentre - 70 Twin Pallet Machining Centre (2012)

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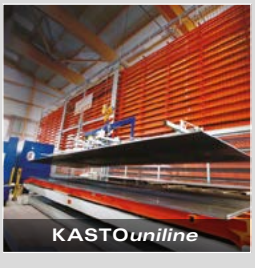
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