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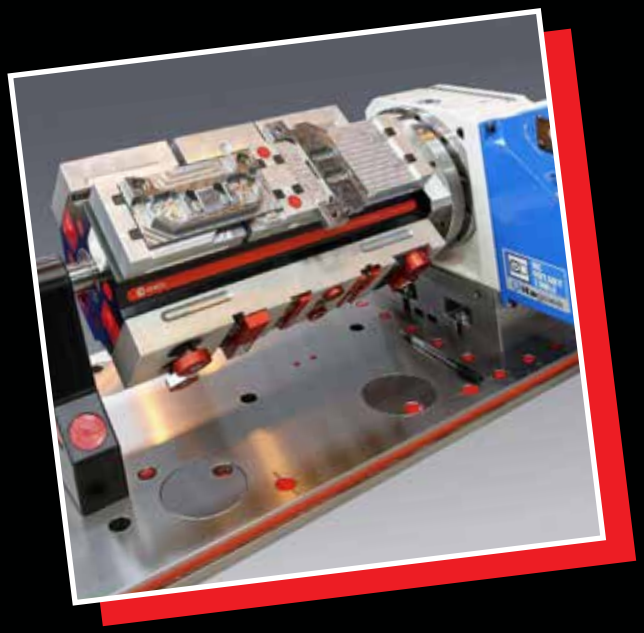

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MetalTech to offer business matching

For its 22nd edition, metalworking exhibition MetalTech 2016 will focus on building strong business connections between international suppliers and local manufacturers.

Malaysia's premier exhibition for the metalworking and machine tool industries will be held from on 25-28 May at the Putra World Trade Centre in Kuala Lumpur. The show will feature over 400 exhibitors, 1800 technologies from a total of 38 countries worldwide within 35,000 sq m of space. Over 27,000 local and international visitors are expected across the four-day event.

To provide value to those in attendance, organiser Trade Link ITE Sdn Bhd has announced the

debut of a business matching programme that will premiere during the exhibition. The service will profile attending companies and pre-arrange meetings with exhibitors who supply technology in fields relevant to their immediate and medium term needs.

For further information www.metaltech.com.my

Happy 40th birthday Radan

Sheet metal CADCAM system Radan is celebrating its 40th anniversary this year.

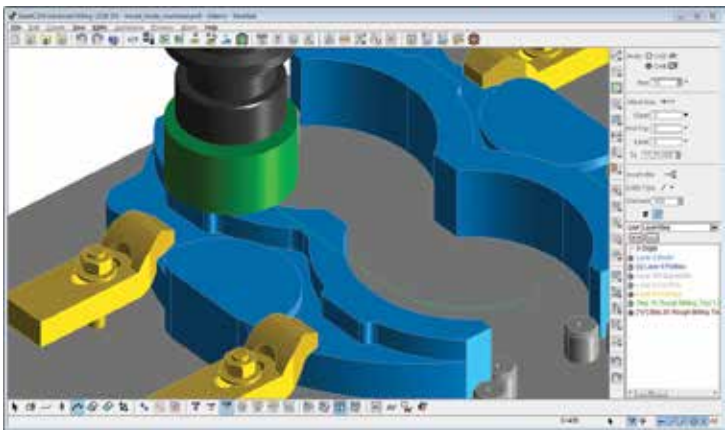
Radan, now part of the Vero Software Group, began life as a verification program created at Bath University. Kevin O'Connor, Radan's sales and major accounts manager, says the university was approached by a machine tool manufacturer that wanted offline programming software for a sheet metal punch press. In those days pre-verification programmers would type the G-code and X and Y co-ordinates long-hand, and it came out as paper tape which would be fed into the machine tool controller. How times have changed.

For further information www.radan.com

SmartCAMcnc seeks international resellers

SmartCAMcnc has made clear its desire to appoint additional international reseller sales partners to serve several key manufacturing regions. While selling direct in North America, the company uses an authorised reseller partner business model to deliver its SmartCAM software system outside of the US. The SmartCAM software family consists of applications for CNC milling, turning, fabrication and wire EDM.

"We have identified a need for additional partners in some of the territories where we have existing representation, but there are also markets which have been unexplored for SmartCAM and where we do not have an active



reseller," says Terry Antrobus, SmartCAMcnc international business manager. "Opportunities exist in Germany, China, Russia, Spain, France, Italy, Australia, New Zealand and Ireland, for example, but our scope is by no means limited to these countries."

For further information terry.antrobus@smartcamcnc.com

Prima Power develops laser

Prima Power has developed a proprietary fibre laser, the CF3000, which offers 3 kW of output. With it, the company says it has become the first laser cutting machine manufacturer to create its own fibre laser source. Already installed for the past six months at pilot customer facilities, the CF3000 will be produced at the group's plants in Chicopee, USA, Barone Canavese, Italy and Suzhou, China. A 4 kW version will be also introduced this year.
For further information www.primapower.com

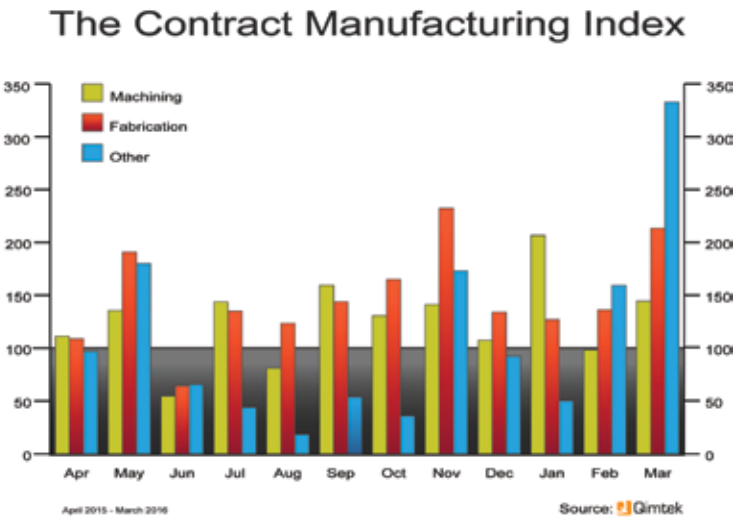
CO_2-free steel

Swedish companies SSAB, LKAB and Vattenfall have announced that they are launching an initiative to solve the CO_2 problem in the Swedish steel industry. Together, the companies involved will initiate work to develop a steel production process that emits water rather than CO_2. While SSAB's existing production system is efficient in terms of CO_2 emissions, existing steelmaking technology using coke plants and blast furnaces means the company is Sweden's largest single source of CO_2 emissions. With its access to fossil-free electricity and high quality iron ore, Sweden is well placed for such a project. "Under this initiative, we will take responsibility to solve long-term the problem of carbon dioxide in steelmaking processes," states Martin Lindqvist, president and CEO at SSAB.
For further information www.ssab.com

Subcontracting growth continues

The value of the UK contract and subcontract market rose by nearly 8% in the first quarter of 2016 compared with the final quarter of 2015, according to the latest Qimtek Contract Manufacturing Index (CMI) figures. The index for the first quarter of 2016 was 155, compared to 144 in the final quarter of 2015. In comparison with the value of the market 12 months ago, the change has been dramatic, with growth of 56% registered from a low base of just 92. The base line figure of 100 represents the average value of the subcontracting market during 2014.

Machining rose by 92% from December to January but then dropped by more than half before starting to recover in March. Fabrication accounted for 39% of the value of the market and fell by 11% compared with the final quarter of 2015, but was showing strong signs of recovery in March.
For further information www.qimtek.co.uk



Sharing in Growth selection

Basingstoke-based Middlesex Group says it has been selected to join the government-funded Sharing in Growth (SiG) programme. SiG's four year transformation programmes are designed to deliver and sustain improvements so that UK firms are better placed to compete for contracts in the aerospace sector. To achieve its growth ambitions, Middlesex Group will work with SiG to enhance its offering and improve its productivity, skills and shop floor processes. The company has already invested in NVQ qualifications for some of its staff and now wants to use SiG's funded programme to accelerate skills development.
For further information www.middlesex.co.uk

SFIL wins £1m contract

Sheffield Forgemasters International Ltd (SFIL) has beaten off Korean competition to win a casting contract worth £1m. The company says it won the contract with Ajax-Ceco, an American press manufacturer, based on its quality of production and developmental input into the design of the frame. It will require 550 tonnes of liquid steel to cast the press frame, which will measure almost 13 m long, 3.5 m wide and 3.2 m deep. Completion of the project, including final machining to "incredibly fine tolerances", is expected by early 2017.
For further information www.sheffieldforgemasters.com

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AUCTION SPOTLIGHT

● Sweeney Kincaid is facilitating an online auction of machinery located in Dumfries, UK. Lots include: an XYZ SLZ CNC Lathe; a Bridgeport VMC 800; a Bridgeport VMC 600; a Colchester Triumph 2000; a Sahinler PK-35F ring bender; an FJ Edwards 6/125 guillotine; a Promecam RG35 press brake; Esab TIG 22007 welding units; a Weldi Mig 301 MIG welding unit; a Hydrovane HV04 air compressor; and steel fabricated workbenches. Viewing is on 20 April (10:00-16:00). Sale date is 21 April, closing at 11:00.
www.sweeney-kincaid.com

● Charterfields is conducting an online auction of machines and equipment used previously by Peak Toolmakers, Chesterfield, UK. Lots include: CNC machining centres; spark eroders; standard machine tools; CMMs; inspection equipment; presses; tooling; lifting equipment; tool cabinets; toolholders; compressors; a Hyster 5 ton forklift; office furniture and equipment; and miscellaneous factory equipment. Viewing is on 20 April (09:00-16:00). Auction closes on 26 April from 10:00.
www.charterfields.com

● Cottrill & Co is hosting an online auction of machines used previously by Premier Precision Engineering Ltd. Lots include: six Doosan Puma CNC turning centres; three Doosan Lynx CNC turning centres; a Doosan Mynx 6500-50 CNC VMC; a Mazak SQT 250M CNC turning centre; a Mazak VTX 800SR CNC VMC; Haas VF2, VF3 and VF4 CNC VMCs; a Zoller Smile 400 too presetter; lathes by Harrison and Colchester; and an XYZ 3000 turret mill. Bidding ends on 27 and 28 April at 15:00 and 16:00 (both days).
+44 (0)121 328 2424 www.cottandco.com

● 1st Machinery is staging an online auction of machines and high pressure compressors used previously by a Formula One racing company located in Northamptonshire, UK. Lots include: a Mori Seiki SL-25M CNC turning centre (1995); a Mori Seiki CL-20 CNC turning centre (1996); a Mori-Seiki SL-15 CNC turning centre; a 350 bar CompAir compressor (2005); and a 300 bar CompAir compressor (2004). Viewing is by appointment only. Auction date is 28 April at 15:00.
+44 (0)2476 992205
www.1stmachineryauctions.com

● Asset Sales is holding a two-day auction of equipment used formerly by Joy Global, Ohio, US. Lots include: 17 Giddings & Lewis CNC horizontal boring mills of various bed sizes; a Vanguard CNC horizontal boring mill; a G&L Sheffield CMM; a Pfauter P400G CNC gear profile grinder; a Mazak QT30M CNC turning centre; an Okuma LB-35II-MX2000 CNC turning centre; a Warner & Swasey SC-28 CNC turning centre; and a Nihon Kikai NDH-1200 universal gear hobber. Auction takes place on 11-12 May, beginning at 09:00 EDT.
+1 888 800 4442 www.asset-sales.com

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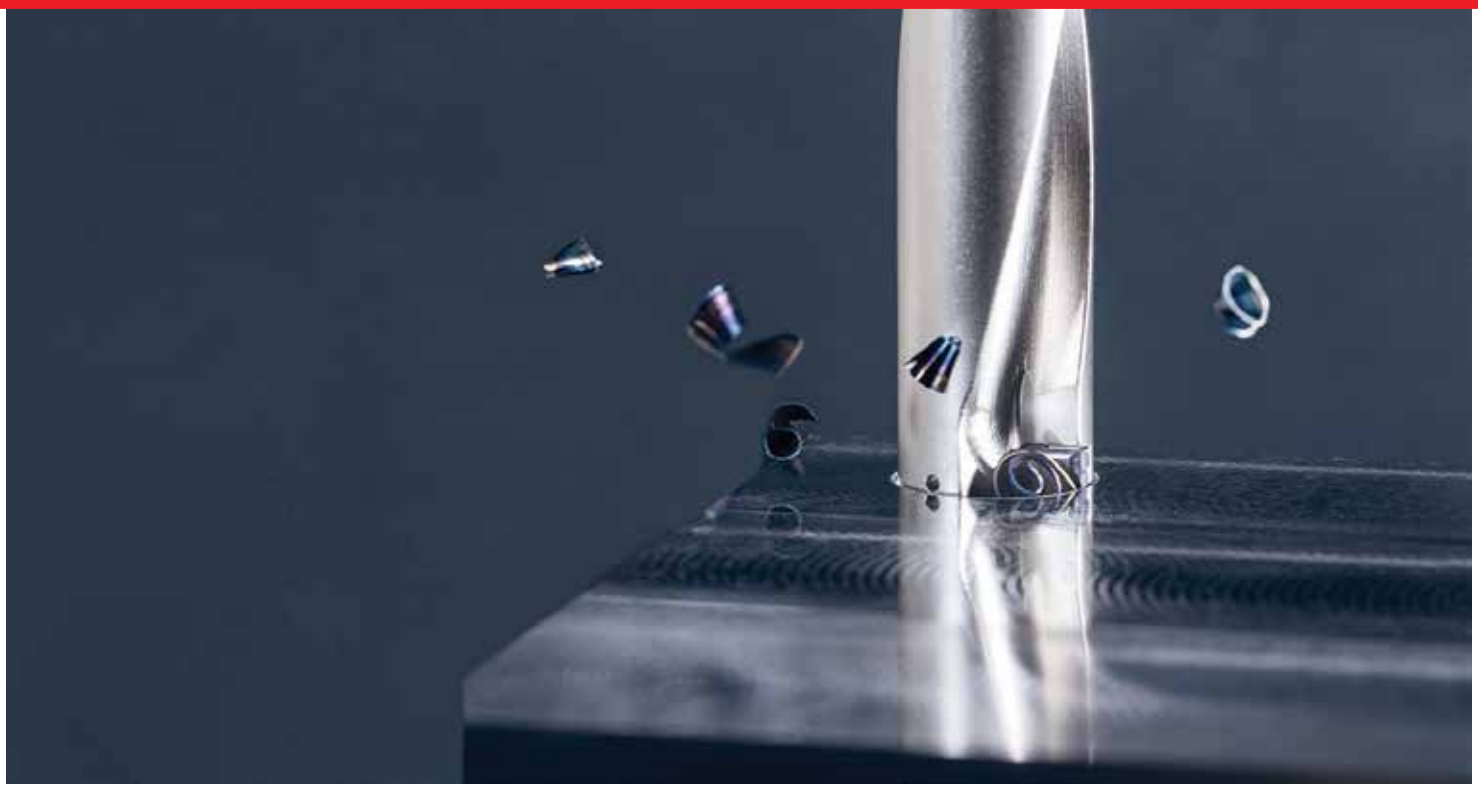

Dragonskin-coated inserts available for C900 drills

WNT says that DCX1420 Dragonskin-coated inserts are now available for use on the company's C900 high feed drill. When used in conjunction with the existing PVD-coated CCN1430 insert grade, in the centre insert position, tool life is extended and cutting speeds can be increased by up to 30%, says the company.

According to WNT, this combination of insert grades maximises each tool coating's performance characteristics, with the CCN1430 having much greater toughness to better handle the low surface speed found in the centre of a drill, while the DCX1420 grade, with its Dragonskin CVD coating, has improved wear resistance that allows higher cutting data to be achieved.

When using the DCX1420 inserts in the C900, cutting speeds in steel components can be as high as 390 m/min and 230 m/min in stainless steel, with feed rates up to 0.3 and 0.23 mm/rev respectively, subject to machining conditions, coolant supply and workholding. In addition to the new grade, the diameter range of the C900 high feed drill has been extended to include drills of 12, 12.5, 13 and 13.5 mm diameter.

Continuing the changes to WNT's drilling portfolio, the WNT Polydrill can also now benefit from the CCN1430 universal insert grade. This grade has been developed for the drilling of steel, stainless steel and non-ferrous materials, and the company says that users benefit from the insert's universal approach, meaning greater flexibility and reduced stock of inserts, and better performance in terms of toughness and wear resistance.

For further information
www.wnt.com

Speroni presetters on show at MACH

A major feature of the NCMT stand at MACH last week was the Speroni Futura STP 46 tool presetter with CNC control over the 50-taper vertical spindle as well as the X and Z axes (with fine linear adjustment completed by hand-wheels). Designed for shop floor use, it incorporates a taper adaptor and a claw system that accommodates all pull stud designs, allowing changeover for setting different tool tapers in eight seconds, says the company. Repeatability of positioning is to within 1 µm.

The presetter's thermo-balanced structure is made of artificially aged, pearlitic cast iron to ensure the equipment is fully isostatic and will not deform or distort over time, or as the temperature changes.

Unlike most presetter designs, Speroni says that the homogeneous structure avoids the drawbacks of systems that use light alloys and/or granite, which have different and unstable reactions to changes in temperature and the environment. There is consequently no need for frequent recalibrations during a shift due to temperature change.

The benchtop Speroni Magis tool presetter was also demonstrated at the show. The Magis has an integrated calibration master, pneumatic axis locks, X- and Z-axis fine adjustment, a CCD camera and an integral ISO 50 taper spindle. The single-screen control has an optional touchscreen to increase the speed of tool measurement.

With a standard X-axis range of 50 to 350 mm, the machine is available in three column sizes with either 400, 500 or 600 mm travel in the Z-axis. In addition, the unit is supplied as standard with a pneumatic spindle brake.

For further information
www.ncmt.co.uk

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VariMill III ER suits titanium and stainless steel

With a seven-flute, eccentric relief (ER) design, the newest addition to the Widia VariMill family, the VariMill III ER solid carbide end mill, is engineered for higher metal removal, longer tool life and improved surface finishes in materials such as titanium and stainless steel.

"OEMs and tier suppliers in the aerospace and energy segments who regularly face working in high strength, low weight titanium and stainless steel will want to see how the VariMill III ER together with the new Widia Victory grade WS15PE can improve performance," says Ron West, Widia product manager.

A newly developed coating and proprietary pre- and post-coat treatment is designed to improve cutting edge consistency. Consistent cutting edges mean higher metal removal rates, longer tool life and improved workpiece surface finishes. The tool is designed to be a true finishing end mill with the ability to take up to 30% radial engagement.

"This also means VariMill III ER customers can use high speed machining techniques such as peel milling or trochoidal machining in high strength alloys," says West.

Widia is offering the VariMill III ER in a full line of options, including 2xD, 3xD and 5xD length-of-cut, and all common aerospace radii and chamfered corners – metric and imperial. VariMill III ER end mills also come as standard with the Safe-Lock option by Haimer, eliminating pull-out risk, and making the tool assembly more stable and concentric, which in turn increases surface finish and tool life. Moreover, VariMill solid carbide end mills are available through Novo, Widia's digital process knowledge application.

For further information
www.widia.com

Interchangeable head tooling for lathes

Floyd Automatic has extended its cutting tool line with the arrival of the W&F Micro range of interchangeable tools. The German-manufactured tooling system, which is being made available in the UK by Floyd, has a completely interchangeable head design that provides a versatile, quick-change solution.

The W&F Micro series utilises face and taper contact technology to guarantee precision repeatability of 0.002 mm, while giving the end user a fast tool change that is suitable for preset tooling systems. The toolholder of the W&F Micro range remains in the machine while the head is removed with a single screw. As a result, the operator can change inserts outside the machine if desired.

The interchangeable heads are available with a variety of head types that can be specified for general turning, facing, profiling and parting, as well as internal profiling and boring operations. Furthermore, the head designs are available in left- and right-hand formats with through-coolant available upon request. According

to W&F, the diverse design of the compact heads, makes them suitable for all types of turning application, whether it's on a Swiss type machine, a multi-spindle automatic or even a general turning centre. Toolholders are available with an 8 x 8, 12 x 12 or 16 x 16 mm square shank with an overall length of 80 mm.

Floyd Automatic says that the arrival of the W&F Micro turning line satisfies the desire of end users to achieve a flexible and interchangeable system that can reduce tooling inventory and associated costs while maximising the potential of tool positions in machine tools with limited capacity.

For further information
www.floydautomatic.co.uk

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Thin parting-off and deep grooving

When savings are a requirement due to machining expensive materials, large batch production, or both, it is essential to use the thinnest insert width possible. CoroCut QD dedicated parting-off and deep grooving tools are now available in smaller insert widths with internal high pressure coolant to help customers improve production efficiency.

Considered a hidden machining cost, component material waste is an often-overlooked production expense. Wider insert blades cut away more material than necessary during each parting-off operation, with the excess material ending up in the chip bin. Using a thinner insert blade not only wastes less material but also allows for more parts per bar when parting-off using a bar feeder. Realising this material saving is especially important for manufacturers that machine components made of expensive materials, such as Inconel, titanium or cobalt chrome. When working with these materials in higher volumes, using a thicker insert blade can be costly.

For smaller insert widths, insert handling is facilitated with the use of the insert cam key. Accompanied with each CoroCut QD, the cam key allows the user to leave the finger of the blade in the open position, permitting the use of both hands for insert positioning. CoroCut QD toolholders are made using the same improved tool steel as the larger width CoroCut QD, resulting in 12% higher tensile strength, says Sandvik Coromant.

For further information
www.sandvik.coromant.com

Seco offers face and taper toolholders

To meet manufacturers' requirements for higher productivity and process reliability, Seco Tools has introduced a range of face and taper toolholders to its product portfolio. Unlike conventional taper-only type toolholders that are only supported at their maximum taper diameters (gauge line diameter), the new toolholders are supported at the gauge line diameter and the flange face diameter. According to Seco, this results in superior rigidity that, in turn, improves part accuracies and surface finishes, and also extends tool life by minimising toolholder deflection and vibration.

This face and taper system is especially advantageous when machining complex parts at high cutting speeds and feeds, or for performing heavy duty cutting operations. The working principle is that before clamping, the toolholder taper and spindle taper are in contact with each other to establish a good taper fit – although at this stage, face contact has not yet occurred.

When the machine's spindle drawbar is activated, the toolholder is pulled into the spindle, which

expands (via elastic deformation) until the faces of both the spindle and the toolholder contact each other. This completes the simultaneous fit of the toolholder taper and flange to the spindle taper and face.

In addition to complex part machining, Seco says that its face and taper toolholders provide process reliability in machining operations involving long tool overhangs, deep-hole boring and machining exotic workpiece materials that have a tendency to increase cutting forces. The toolholders are available for spindle connections BT30 TF, BT40 TF, BT50 TF, CAT40 TF and CAT50 TF.

For further information
www.secotools.com

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HP125	21-30kW	668m³	£1099.00	£1318.80
HP145	30-42kW	935m³	£1579.00	£1894.80

Clarke SILENCED PISTON AIR COMPRESSORS

- Fully enclosed and sound insulated
- Auto on/off pressure control
- 10Bar Max. pressure

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MODEL	AIR DISP.	MOTOR	EXC. VAT	INC. VAT
SSE15C100	14CFM	3HP	£879.00	£1054.80
SSE25C270	23CFM	5.5HP	£1469.00	£1762.80
SSE36C270	30CFM	7.5HP	£1499.00	£1798.80
SSE46C270	40CFM	10HP	£2198.00	£2637.60

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Heavy duty, reliable units delivering high performance to satisfy the professional user.

- Efficient Turbo fan cooling
- Simple precise controls

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MODEL	MIN/MAX AMPS	EXC.VAT	INC.VAT
MIG230TEC	30/210	£519.00	£622.80
MIG255TEC	30/250	£799.00	£958.80
MIG270TE	30/260	£649.00	£778.80

Clarke ELECTRIC POWER HOISTS

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- Includes remote control
- 230v motor

INCLUDES REMOTE CONTROL

MODEL	CABLE	MAX LOAD (KG)	LIFT HEIGHT	EXC.VAT	INC.VAT
CH2500B	Single	125	12M	£79.98	£95.98
	Double	250	6M		
CH4000B	Single	200	12M	£99.98	£119.98
	Double	400	6M		

Clarke INDUSTRIAL ELECTRIC MOTORS

A range of three phase motors suited to many applications. All totally enclosed, fan ventilated & continuously rated for reliable long-term service.

400V Three Phase

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SIZE HP	SHAFT SPEED	EXC.VAT	INC.VAT
1	2 Pole	£76.99	£92.39
1	4 Pole	£89.98	£107.98
1.5	4 Pole	£99.98	£119.98
2	4 Pole	£114.99	£137.99
3	4 Pole	£149.98	£179.98
4	4 Pole	£159.98	£191.98
5.5	4 Pole	£229.98	£275.98
15	2 Pole	£349.00	£418.80
20	2 Pole	£439.00	£526.80

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*Handles solids up to 30mm diameter
† Sewage cutter pump

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MODEL	MAX FLOW LPM	MAX HEAD	EXC. VAT	INC. VAT
CSE400A	115	8.0m	£29.98	£35.98
PSV3A	133	8.0m	£34.99	£41.99
Hippo 2 230V	85	6.0m	£46.99	£56.39
PSV1A*	140	5.8m	£44.99	£53.99
HSEC650A†	290	9.5m	£184.99	£221.99

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POWER CUTS? Ideal back up for offices, schools, factories, workshops, hospitals, medical centres, warehouses etc.

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AUTO MAINS FAILURE CONTROL PANEL £1618.80 INC. VAT

MODEL	MAX OUTPUT	VOLTAGE AC	ENGINE KW	EXC.VAT	INC.VAT
YC6E	6.0kVA	230V/110V	4.8	£2799.00	£3358.80
YC6I	6.0kVA	230V	4.8	£3998.00	£4797.60
LC10	10.0kVA	230V/110V	8	£4399.00	£5278.80
LC9	9.0kVA	230V	7.2	£6499.00	£7798.80

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- Twin cylinder pumps (except SE11)
- Motor overload protection • Petrol models available

MODEL	CFM	MOTOR (HP)	RCVR (LTR)	EXC.VAT	INC.VAT
SEV11C*	9	2	100	£369.98	£443.98
SE16C100*	14	3	100	£399.00	£478.80
SE16C150+	14	3	150	£429.00	£514.80
SE16C200+	14	3	200	£499.00	£598.80
SE18‡	18	4	200	£549.00	£658.80
SE26^	23	5.5	200	£679.00	£814.80
SE29+◊†	28	2x3	270	£969.00	£1162.80
SE36^●	30	7.5	270	£979.00	£1174.80
SE37+◊†	36	2x4	270	£1099.00	£1318.80
SE46#^	40	10	270	£1449.00	£1738.80

*230V Supply +Run From 30 Amp Supply ‡Run From 40 Amp Supply ^400V 3 Phase •Supplied With Direct On-Line Starter ◊Supplied With Sequential Direct On-Line Starter †V-Twin #Supplied With Pre-Wired Star Delta Starter

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Honda & Diesel engine models available

MODEL	PRESSURE BAR/PSI	ENGINE HP	EXC. VAT	INC. VAT
Tiger1800	110/1595	2.6	£199.00	£238.80
Tiger2600	170/2465	4	£259.96	£311.98
Tiger3000	200/2900	6.5	£329.96	£395.98
PLS195	186/2698	6.5	£399.00	£478.80
PLS265	260/3770	13	£599.00	£718.80

Clarke air INDUSTRIAL SCREW COMPRESSORS

MASSIVE PRICE CUTS

- Full range includes floor & receiver mounted with/without built-in dryer • Air receivers, dryers & filters also available separately from only £299.00exc.VAT £358.80 inc.VAT

MODEL	CFM	HP	RCVR	EXC.VAT	INC.VAT
CXR50R‡	17.1	5.5	200ltr	£2099.00	£2518.80
CXR100	37.1	10	–	£2599.00	£3118.80
CXR100R	37.1	10	270ltr	£2739.00	£3286.80
CXR150R	53	15	270ltr	£3359.00	£4030.80
CXR200*	65.3	20	–	£3499.00	£4198.80
CXR200R	65.3	20	500ltr	£3499.00	£4198.80
CXR300	102	30	–	£4499.00	£5398.80

‡ was £3358.80 inc.VAT * was £4198.80 inc.VAT

Clarke air INDUSTRIAL SCREW COMPRESSORS

FROM ONLY £2099.00 EX.VAT £2518.80 INC.VAT

- 10 bar • Proven reliability
- Super silent • Easy maintenance
- Full digital control • Superb build quality. Meets European standards

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Machining structural components at high speeds

With trochoidal milling, significant improvements in terms of tool costs, clamping, processing times and load on the machine components can be achieved in many applications compared with conventional milling.

For this type of milling, Mapal has expanded its OptiMill product range by adding cutters for the machining of titanium and high alloy steels, as well as for hard machining operations. As a result, new fields of application have been developed, such as structural components.

A specially engineered, extremely unequal positioning of the five cutting edges in combination with a novel geometric layout of the cutting wedges is said to reduce vibration. In addition, counterbalancing conducted during the manufacturing process (balancing grade 2.5) lowers the risk of vibrations even further. As a result, the milling cutters of the OptiMill family can be used even at high speeds, says Mapal.

In order to avoid the jamming that results from the long chips produced through sizable depths of cut, a chipbreaker is integrated which divides the chips in half. This ensures the problem-free removal of the chips from the working space of the machine. All OptiMill milling cutters for trochoidal milling have a cutting edge length of 3xD.

For further information
www.mapal.com

Cost effective turning with latest inserts

Sumitomo Electric Hardmetal has introduced its T1000A and T1500A grades of uncoated cermet inserts as a cost-effective alternative to more conventional and expensive coated cermet insert when performing small batch turning operations.

The uncoated Sumitomo T1000A (P10) cermet grade incorporates a dual structure for wear resistance and toughness, and is designed for applications such as fine-finish profiling and continuous high speed cutting of cast iron, soft materials, ferrous powdered metal, high carbon steel and alloy steels.

Meanwhile, T1500A (P20) incorporates a series of 3D chipbreaker designs that enables a stable, quality finish to be obtained such as when interrupted cutting cycles are involved, where they maintain a high order of resistance to insert fracture and cracking.

Recent cermet development by Sumitomo has meant the performance envelope of the material has increased with improved toughness to bridge the gap between ceramics and tungsten carbide. Cermet is more chemically inert and has a higher hot hardness than tungsten carbide. Furthermore, it is made from a ceramic material giving high wear resistance,

while a metal binder is used to improve toughness. This means finish-turning can often eliminate polishing or even grinding. Also, cutting speeds can be increased without compromise to tool life, due to the stability of the material.

In recent trials involving multi-diameter profiling on 34CrMo4 steel gear shafts, the T1500A DNMG insert enabled tool life to be extended from 800 parts per cutting edge with a competitor insert to 1000 parts. The operation was run with coolant at 140 m/min, at a feed rate of 0.15 mm/rev and depth-of-cut of 0.25 mm.

When finish turning a multi-diameter 42Cr Mo4 shaft, Sumitomo says that a T1000A DNMG cermet insert increased the tool life from four to 10 pieces per corner. The machine was run wet at 180 m/min with a feed rate of 0.25 mm/rev and depth-of-cut of 0.4 mm.

For further information
www.sumitomotool.com

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Spindle speed 12.000 Rpm
Mazatrol 640M control

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MAZAK VTC 300 C-II
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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 VTC 20 C
Vertical Machining Centre

Table size 2000 x 510 mm
X-Y-Z 1660 x 510 x 510 mm
Spindle speed 7.000 Rpm
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 V 414-22 2PC
Vertical Maching Center

Pallet size 900 x 410 mm
X-Y-Z 560 x 410 x 460 mm
Spindle speed 7.000 Rpm
Mazatrol M-32 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 Multiplex 6200Y
Turning Centre

Max. machining ø 200 mm.
Turning length: 200 mm
Spindle bore 51 mm.
Mazatrol 640 T control

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CNC VTL

Dorries VCE 2400/220

Control: Siemens Sinumerik 840C
Max. swing: 1.450 mm ø
Chuck diam.: 2.200 mm ø
With C-axes and milling attachment
Stock nr.: draai641

CNC VTL

Mazak Megaturn A12

Control: Mazatrol T 32-3
Max. swing: 1.450 mm ø
4-jaw change system: 2x1.250 mm ø
With C-axes and milling attachment
Stock nr.: draai626

CNC Lathe

Tacchi HD/3-140 LS

Control: Siemens Sinumerik 840D
Dist. between centers: 20.000 mm
Centerheight: 1.000 mm
With C-axes and milling attachment
Stock nr.: draai638

2x CNC Bed milling

Anayak HVM-11000-PC

Control: Heidenhain iTNC530
Table: 1.500 x 11.000 mm
X/Y/Z: 10.300/1.200/1.500 mm
5-axes; Toolchanger: 2x30 positions
Stock nr.: frees430

CNC Vertical machine center

Okuma MB-46VAE

Control: Okuma osp-u100m
Table: 1.000 x 460 mm
X/Y/Z: 762/460/460 mm
With Mayfran chip conveyor
Stock nr.: frees461

CNC Gantry milling machine

Kao Ming KMC-4000 SVH

Control: Fanuc 18i-M
Table: 4.000 x 1.650 mm
X/Y/Z: 3.720-4230/1.870/700 mm
With perpendicular millinghead
Stock nr.: frees464

CNC Bed milling

I.M. Parpas ML 90/4000

Control: Heidenhain TNC 426M
Table: 3.000 x 3.000 mm
X/Y/Z/W: 4.000/2.000/2.000/2.000 mm
Following control unit for 7 axes
Stock nr.: frees405

CNC Gantry milling machine

Kao Ming 332M Multi face

Control: Fanuc 18i-MB
Table: 2.600 x 3.000 mm
X/Y/Z: 3.230/3.850/1.100 mm
Probe: Renishaw MI8
Stock nr.: frees435

CNC Bed milling

Lagun Gnova MM6

Control: Heidenhain iTNC 530
Table: 200 x 5.000 mm
X/Y/Z: 6.000/1.200/2.000 mm
Probe: Renishaw RMP 60
Stock nr.: frees386

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CNC Bed milling

Lagun GBM 42E ATC

Control: Heidenhain TNC 426M
Table: 4.200 x 1.000 mm
X/Y/Z: 4.000/1.200/1.500 mm
CNC controlled millinghead
Stock nr.: frees394

CNC Bed milling

Lagun GBM 42E

Control: Heidenhain iTCN 530
Table: 4.200 x 1.000 mm
XY/Z: 4.000/1.200/1.500 mm
CNC controlled millinghead
Stock nr.: frees462

CNC Bed milling

Soraluce Soramill SL 5000

Control: Heidenhain TNC 415 B
Table: 800 x 5.000 mm
X/Y/Z: 3.500/900/1.000 mm
CNC index millinghead per 2,5°
Stock nr.: frees336

CNC Machine center

Mazak FH 880 PMC

Control: M plus
X/Y/Z: 1.300/1.100/1.000 mm
Pallet size: 800 x 800 mm; 14 pallets
Tool changer: 237
Stock nr.: frees448

CNC Boringmill

Wotan Rapid 5C

Control: Heidenhain iTNC 530
X/Y/Z/W: 10.000/3.800/700/700 mm
Spindle diam. : 160 mm ø
Rapid feeds: 5 mtr/min
Stock nr.: kot142

CNC Boringmill

Skoda W160 CNC

Control: Icem 402
X/Y/Z/W:10.000/3.000/1.600/1.250 mm
Spindle diam. : 160 mm ø
Manual swivelling milling heads: 2x
Stock nr.: kot131

CNC Coordinate precision drill

MAS VSP 50

Capacity: 50 mm
X/Z/W: 2.000/4.750/800 mm
Revolutions drill head:20 -3.150RPM
Floorplates: 6.700 x 2.200 mm
Stock nr.: boor277

CNC Gantry milling machine

Nicolas Correa Pantera

Control: Fanuc 15-M
Table: 4.000 x 2.500 mm
X/Y/Z: 4.500 / 3.088 / 1.200 mm
Distance columns: 4.470 mm
Stock nr.: frees465

CNC Gantry milling machine

Johnford DMC

Control: Heidenhain i530
Table: 4.200 x 2.200 mm
X/Y/Z:4.000/2.800/1.066 mm
With perpendicular milling head
Stock nr.: frees455

1589

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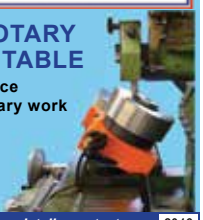

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MAG-BOEHRINGER VDF450-T/2000
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CINCINNATI U5
Rail Type Universal Machining Center, With Acramatic 2100 Cnc Controls, 66.9'' X 432'' Work Area, Cat 50 Taper, 45-Position Tool Changer, Spindle Speeds 40-6000 Rpm, 19.7'' Max Tool Length, Rapid Traverse, X/Y 0-590/787 IPM, Z-787 IPM. Date of Manufacture: 2002.

Voortman V320C
CNC 2-Head Plasma Cutting Drilling Thermal Cutting Unit, With HPR260HD Hyptherm Hyperformance Power Supply, Min/Max Plate Length 20''-20', Min/Max Plate Width 8''-80'', Min/Max Plate Thickness 1/4''-3'', Plasma Cutting Max Thickness 64mm, 10-Position Automatic Tool Changer, Approximately 120' Long X 80'' Wide Powered Roller Conveyor, Donaldson Torit Dust Collector. Date of Manufacture: 2012.

IMAC HP 750/40 CNP
CNC Punching Machine. 44-Ton Capacity 4" Max Punch Dia., 29.20 Throat Depth, Speed 250 SPM, Including Imac CNC Windows Control, 4-Station Multi Tool, Assorted Tooling. Date of Manufacture: 2003.

MAG-BOEHRINGER FTV-850/3700
CNC Vertical Machining Center, with travels: X-3700mm, Y-815mm, Z-800mm, Spindle Gauge Line To Work Surface Min. 120mm / Max 900mm, Cat 50 Taper, 36-Position Tool Changer, Spindle Speeds 0-5000 rpm, Siemens Sinumerik 840DE CNC Controls. Date of Manufacture: 2011.

MORI SEIKI NL3000/2000
2-Axis CNC Lathe. Maximum Turning Diameter: 16.5". Standard Turning Diameter: 12.2". Maximum Turning Length: 83.6". Bar Work Capacity: 3.50". X-Axis Travel: 11". Z-Axis Travel: 85.4". Spindle Speed Range: 3,000 RPM. Spindle Nose: A2-8. Through Spindle Hole Diameter: 4.10". Spindle Bearing Inner Diameter: 6.30". Date of Manufacture: 2007.

GIDDINGS & LEWIS HMC290
CNC Horizontal Machining Center, With Dual 3.94" x 31.51 Pallets With Automatic Pallet Changer, Travels: X-55.12", Y-49.21, Z-47.24", 6000 rpm, 100-Position Automatic Tool Changer, 360,000-Position Rotary Table With B-Axis Contouring, Chip Conveyor. Date of Manufacture: 2001.

GIDDINGS & LEWIS MC60 6"
4-Axis CNC Horizontal Boring Mill, Travels: Y-83", X-120", Z-36", W-60", B Axis Pallet Rotation 360,000, Spindle Taper #50 ANSI, 60" x 84" Pallet Size, 30-HP Spindle Motor, Giddings & Lewis 8000B CNC Controls, 60-Station Automatic Tool Changer, (2) Pallet Shuttle System, AC Servo Drives On All Axis , Built Int Rotary Table Collet Type Draw Bar. Date of Manufacture: 1989.

AMADA RG-250
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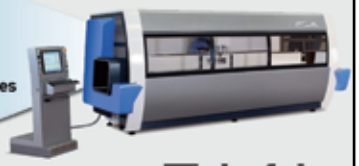

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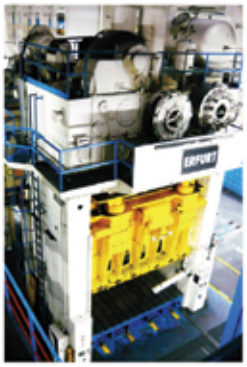

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Year: 2003
Control: Siemens Sinumerik 840 D

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APRIL COLLECTIVE ON-LINE AUCTION SALE

By order of: **Various Aerospace & Precision Engineering Companies**

VIEWING: TUESDAY 26th APRIL 2016 – by appointment only

At: PP Saleroom & other UK Sites.

AUCTION DATE: THURSDAY 28th APRIL 2016

Machine Tools

CNC

Hitachi Seiki HS400 CNC 6 pallet HMC, Seicos 16M control, 400mm pallet, 120 tool ATC **(2002)**

Cincinnati Milacron Magnum 1000 CNC twin pallet HMC, 1000mm pallet, Acramatic 950 control **(1998)**

Cincinnati Maxim 500 CNC twin pallet HMC, Acramatic 950 control, 500mm pallet, 80 tool ATC **(1995)**

Nakamura-Tome TW20 twin spindle CNC chucking auto, Luck-BEI control, twin chuck, 12 station turret **(1998)**

Hurco KM3-P CNC turret mill, 950x270mm table, 60-4000rpm, Hurco Ultimax control, 29757hrs

Grinding

Jones & Shipman 1430 surface grinder, power rise & fall, 24x12" mag chuck, coolant clarifier **(1981)**

Jones & Shipman 540 surface grinder, 14x6" mag chuck, metric dials, s/n BO73065

PG Optidress wheel forming attachment

Jones & Shipman 1600 cone centre lapping machine, 745-1420rpm, 165mm CH x 1016mm b.c.

John Lund Precimax universal grinder, swivel internal, 5" CH x 24" b.c. with coolant

Herminghausen SR2G centreless grinder with coolant, electric cabinets, 25mm capacity

Sealey 6" BG150CX bench grinder. Gryphon 6" double ended grinder on base

Jones & Shipman 310 tool & cutter grinder. Richards Flashlite single wheel fettling grinder

Drilling / Engraving / Honing / Milling

Alfred Herbert radial arm drill, 36" arm, 129-1627rpm, 36x22" RF table

Ajax 64R14 radial arm drill, 1200mm arm, 50-1500rpm, Jetbrake

Herbert single spindle pillar drill, 18x13" RF table, 106-1455rpm

Herbert single spindle pillar drill, 24x24" RF table, 74-2850rpm

Sealey SDM30 350W bench type pillar drill, 13mm / 1/2" chuck **(1999)**

Clarke Metalworker CDP12EB bench type drill mounted on sliding trolley, 240v

Taylor Hobson Pantograph engraver, 380x200mm table, stamps

GHA Pantograph engraver, 450x300mm table, 340x200mm sub table

Delapena Speedhone E electronic horizontal hone, 2kW, 60-350rpm, 12-150mm

Bridgeport turret mill, 49x9" table, powerfeed, Anilam Wizard 211 DRO, 50-3750rpm

Bridgeport turret mill, 49x9" table, powerfeed, belt head, 67-4600rpm, Anilam Microwizard DRO

Bridgeport turret mill, 42x9" table, belt head, 67-4600rpm

Chen Ho CHV1500 turret mill, 42x9" table, powerfeed, 70-4200rpm, Anilam Microwizard DRO **(1992)**

Parkinson No1NA horizontal milling machine, 46x10" table, 29-775rpm

Sawing / Turning

Tyro R02.15LAB cutting panel saw, automatic / manual operation **(2004)**

Pedrazzoli Brown250 pull down saw. Omes pull down mitre chop saw, 250mm dia blade

Leten LHM280 hydraulic high speed horizontal power hacksaw, 140mm stroke, 80-120SPM

3x Zipper Z1-HB204 planer & thicknesser (boxed & unused)

WMW Niles DLZ630V2000 lathe, 14" CH x 84" b.c., 22.4-1120rpm with equipment

Colchester Triumph 2000 gap bed lathe, 25-2000rpm, 7 1/2" CH x 50" b.c.

Denham SR8V 16" swing centre lathe, 48" b.c., 22-1200rpm

2x Ward 7 capstan lathes, 6 tool turret, 536rpm.

Herbert 2 Hex Preoptive capstan lathe, 6 tool turret, 1500rpm

Small Tooling / Inspection / Laboratory

Qty small tooling inc: R8 Autolocks, drills, reamers, machine vices, BT40 / BT45 / CAT50 tool holders, mandrels, chucks, end mills, slot drills, sleeves, drill chucks etc

Hedinair 14kW electric oven, twin door, digital temperature control, 1200x700x1750mm ID

B & T laboratory oven, 300degC max, 2000W, 240v, 450x400mm internal size

SWP 300degC electrode oven, 110v / 240v, 450x450mm ID

Carbolite LMF-4 laboratory muffle furnace, 1200degC max, 170x400mm internal size

500mm dia shadowgraph. Avery 6502 CGB weighing tensile tester. Amsler 6553 tensile tester. Vickers PBA 6111 wire machine. Crown & Windley 600x600mm grade 71A1 granite surface table.

Sheet Metal / Pressing / Welding

Hare AL630 pneumatic press, 63kN, 100mm stroke, 450x290mm bed **(2002)**

JH Shand 30-OT 30ton hydraulic press, 500x500mm bed, guards

Wiedemann RA-41P turret punch, 75mm dia max capacity, multi head turret with tooling

Adcock & Shipley screw press. Nu-Tool SR160 hand shear. MaxArc Mark IV 10kva welder. Romark Ezmig 240 mig welder, 8.7kva. NBC 400 mig welder with wire feed, 400A

Factory Plant / Miscellaneous

Fiat Multipla 1.9 diesel 6 seater, 120,000 miles (un-warranted), manual gearbox, blue, 04Reg

Lansing Linde E20P electric FLT with rotator, 2000kg capacity, 3050mm max lift **(1998)**

Yale GLP050 gas forklift truck, 5300mm max lift height, sideshift, 5275hrs

2x Demag 250kg electric hoists, pendant control

CompAir L160-7.5A rotary packaged compressor, 160kW, 1500rpm, 28.4m3/min, 7.5bar, Delcos control **(2007)**

Bambi 150/500 compressor on air receiver. CompAir SmartAir system controller

Selbstregeinder 125kva diesel standby generator, AVK alternator, 10 cylinder engine, Deutz v10 engine, 353hrs Quick Silver QS-8.0D marine generator, 8000W, 240v. Dopag MicroMix twin mixing station **(2009)**. Marley Davenport MDG-8 cooling tower **(2002)**. 10x Hi-Tech s/s fume extraction units **(2001)**. Partitioned office, 7m x 2.9m approx, modular building. 15x glass office partition panels with blinds / 12x oak effect office doors.

4x 1000ltr, 1x 2000gallon, 3x 2000ltr polypropylene storage tanks.1x 3300ltr open top polypropylene storage tank. Titan Fuelmaster 2500ltr bunded oil tank. KEW 16A2V steamer cleaner. Integrated Sand Systems screw mixer.

Worcester Ventilation dust extraction unit. Plymouth EF2000 wall type extraction unit. Reddy Vac 110v wet / dry vacuum cleaner. Baldwin & Francis 11kv switchgear panel, 1000A buzzbar rating, 625kApeak with stand **(2007)**

4x Dravo, ITT, Reznor, Warmco gas fired factory heaters. Orwak 5031-E compactor / baler, 0.75kW **(1993)**

2x mobile metal forkable swarf bins, solid / wire mesh stillages & Martini Alfredo plastic stackable cargo pallets.

Qty various hand tools, power tools, motors, gearboxes, fans, pumps, consumables, pallet racking, office furniture, chairs, photocopier etc

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

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CAMDEN GROUP

TIMED ONLINE AUCTION

BENBURB GLASS MANUFACTURING PLANT

BIDDING ENDS TUESDAY 3RD MAY

Due to an overall Business re-structure, we have been instructed by **Camden Group Ltd** to dispose of the following surplus assets previously utilised in its **Benburb Glass Manufacturing Plant, Northern Ireland**

Entries include but not limited to:

- Forel VC440AS Vertical Cutting Line
- Lisec BTS-37/33 Laminate Glass Cutting Line
- Hegla Tandem-Remaster Optimax Laser Marking System
- 2No. Hegla 18 Position Pattern Racks
- 6No. Hegla 200-250Kg Swing Cranes
- Lisec Super Spacer Applicator Robot
- 3No. Lisec IGU Line's
- Lisec LAS-8 Double Sided Vacuum Lift
- Lisec KSL-25HV KSL Line & Washer
- Schiatti Angelo Spindle Straight Mitre Machine
- Farwick Clean Water Filtration System
- Schiatti Angelo Top/Bottom Drill
- Lisec Bsv- Spacer Bar Bender
- 2No. Toyota Diesel Forklifts
- 10Ft Spray Booth
- Access & Lifting Equipment
- Grinders
- Pallet Racking
- Tooling, Parts & Spare's
- Office Furniture
- Catering Equipment

BID ONLINE

Viewing: By Appointment ONLY - Contact 0044 (0)28 79469564 to make an appointment

Bidding: Starts 26th April – Ends Tuesday 3rd May from 10am Onwards. *Time Extension Feature is Enabled*

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ONLINE AUCTION

A HORIZONTAL BORER DIRECT FROM SITE

Sale Closes: From 14:00 26th April 2016

Location: Bedfordshire, U.K.

UNION BFT 130/6 Horizontal Borer, FAGOR Control. 130mm spindle with 50iso spindle. 800mm facing Head. 2,000 x 1,800mm Table. Vert 2,200mm. Cross 2,000mm. Speeds to 900 rpm. Machine still on site and in use, can be viewed running.

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1977

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Online Auction of CNC & Manual Machine Tools, Fabrication Machinery, Workshop Equipment

- Juaristi MDR 110 Horizontal Borer
- Webster and Bennet 48" Vertical Borer
- Webster and Bennett M36 Vertical Borer
- Binns and Berry CNC Oil Country Lathe
- Mazak Slant Turn 35N 3 – axis CNC Lathe
- Harrison Alpha 550 Plus CNC Teach Lathe
- Harrison VS450 CNC Lathe
- XYZ 560 Mini Mill x 2
- XYZ 4000 CNC Bed Mill
- Dean Smith and Grace Type 25P Hollow Spindle Oil Country Lathe
- Binns and Berry Trident L1000 Gap Bed Lathe
- Stanko IM63H Straight Bed Centre Lathe
- Colchester Mascot 1600 Gap Bed Lathe
- Dean Smith and Grace Type 1307 x 40 Straight Bed Lathe
- Ward 10/13 Combination Turret Lathe
- Bridgeport Turret Milling Machine
- Kearney and Trecker Milwaukee Vertical Milling Machine
- Ajax No. 1 Universal Milling Machine
- Bema 3'6" Radial Drill
- Fendo 500 S A Horizontal Bandsaw
- Cincinnati Heald 273A Automatic Internal Grinder
- Ribon RUR 500 Cylindrical Grinder
- Clarkson Tool and Cutter Grinder
- Weatherley Horizontal Broaching Machine
- Mikron A21/0 Gear Hobber
- Safan 25 ton x 1500mm Upstroking Pressbrake
- Fenco Hydraulic Corner Notcher

BidSpotter.co.uk

To REGISTER & bid please go to www.bidspotter.co.uk

On View: By prior arrangement

Please contact: Barry Taylor

01382 200 797 / 07912 379 309 barry@taysidemachinery.co.uk

Viewing Location: Unit 15, Flemington Industrial Park, Motherwell, ML1 2NT

Online bidding ends: 3:00pm on Wednesday 27th April 2016

BidSpotter.co.uk

ONLINE AUCTION

INDUSTRIAL MANUFACTURING EQUIPMENT MARKET #165 EUROPE

MANUFACTURING, METALWORKING & HEAVY MACHINERY ASSETS

FEATURING:

- Tornos Bechler 'Deco 2000' CNC Multi Spindle Lathe
- Bella 'B-320E XN' Fluidised Zone Mixer Dryer (2010)
- Deckel 'FP3NC' Milling & Boring Machine
- Voumard '150' CNC Internal Grinder
- Netzsch 'CUM300/SP-DSF' Grinder (2009)
- Mazak 'OT-18NSP' CNC Lathe
- Stanko '3B153U' Cylindrical Grinder
- AL-KO 'T16-102 HD' Ride on Lawnmower
- Netstal & Demag Injection Moulders from 50T to 150T (Qty 10)
- ABB 'IRB1400 M2000' 6 Axis Robot
- Fanuc 'M-410ib/160' Palletizing Robots (2005 – Qty 4)
- Sepro 3 Axis Robots (Qty 3)
- Lennox 'WA300DK LN' Chiller (2007)
- Przedsiebiorstwo Hak Sp 1600kg, 2600mm Vehicle Loading Ramp

Also including: Racking, Forklift Trucks, Ladder Platform, Vacuum Pump & Nilfisk Extractor

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AUCTION DATE: **3rd MAY 2016**
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- GLASS LAMINATION
- METROLOGY
- PRODUCTION SUPPORT

OEMs of the Assets:

APPLIED MATERIALS

manz passion for efficiency

ACI ecotec

BENTELER Engineering

SCHMID energy solutions

LPKF Laser & Electronics

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Martin Kolodziejczyk
mkolo@krudoind.com
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For More Information, Please Visit www.krudoind.com

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On Instructions Received — Due to the Retirement of the Directors

ONLINE AUCTION SALE

Fen Manufacturing Ltd, Blenheim Way,
Northfields Industrial Estate, Market Deeping, Peterborough PE6 8LD

CNC & CONVENTIONAL MACHINE TOOLS. WORKSHOP EQUIPMENT

VIEWING AT THE WORKS: Monday, 25th April 2016 between 10am - 4.00pm

AUCTION CLOSES: THURSDAY, 28TH APRIL FROM 3PM

Subject to a 15% Buyers Premium

Vertical Boring Mills – 9 Machines

WEBSTER & BENNETT 72in EH (77in Table) Elevating Rail Type Vertical Borer

WEBSTER & BENNETT 54in EM Elevating Rail CNC Vertical Borer. NUM control

WEBSTER & BENNETT 48in EH Elevating Rail Vertical Borer

WEBSTER & BENNETT 48in DH (Extra Height) Fixed Rail Vertical Borer

WEBSTER & BENNETT 36in EH Elevating Rail Vertical Borer

WEBSTER & BENNETT 36in DH Fixed Rail Vertical Borer

WEBSTER & BENNETT 36in CNC Vertical Borer with Anilam control

WEBSTER & BENNETT 36in EV Elevating Rail Vertical Borer

SCHIESS EK125 Elevating Rail Vertical Borer with Side Head

CNC Lathes & Machining Centres

NAKAMURA ST4 CNC Slant Bed Lathe. Swing 700mm x 680mm

MORI SEIKI MV65 Vertical Machining Centre. X=1,270mm, Y=650mm, Z=700mm, BT50

MORI SEIKI MV50 Vertical Machining Centre. X=1,020mm, Y=550mm, Z=800mm, BT50

MORI SEIKI Junior Vertical Machining Centre. X=560mm, Y=410mm, Z=610mm, BT40

HITACHI SEIKI Seikimatic HG500 Horizontal Machining Centre. X=700mm, Y=600mm, Z=800mm. 500mm x 500mm Pallet, BT 50

HITACHI SEIKI Vertical Machining Centre. X=640mm, Y=460mm, Z=650mm, BT50

Horizontal Borers – Table Type

GIDDINGS & LEWIS 70A-DP4 Horizontal Borer. X=1,800mm, Y=1,600mm, Z=1,200mm, 50 ISO

SCHARMANN FB75 Horizontal Borer. X=1,400mm, Y=750mm, Z=800mm, 50 ISO

Radial Arm Drills

ASQUITH OD1 MK II 16/72 Radial Arm Drilling Machine

ASQUITH ARCHDALE Model 12-54 4ft 6in Power Thrust Radial Arm Drill

Lathes

WARD 10/13 Combination Turret Lathe

VDF BOEHRINGHER SB Centre Lathe. 450mm swing x 2,500mm

COLCHESTER Master 2500 x 1,000mm Gap Bed Centre Lathe

Miscellaneous

STATUS Co-ordinate Measuring Machine (CMM) X/Y/Z travels 2,000mm / 1,200mm / 800mm, (8-ton table). Granite Inspection Table 2,000mm x 1,500mm. 21 x Free Standing Jib Cranes (various sizes). Fork Lift Truck 2,500kg Capacity. Fork Lift Tipping Skips. **DORMER** 49 Drill Point Grinder. **BRIERLEY** Drill Point Grinder. **CHRISTEN** Drill Point Grinder. **CHRISTEN** 05-10 Precision Grinder.

RUSCH HBSA 250 Semi Auto Horizontal Bandsaw 250mm. **ELGA** Hydrashear Guillotine 8ft x 1/8in capacity. **KEARNEY & TRECKER** Vertical Mill. **MEDDINGS** S32M Pillar Drill. 5 x **WOLHAUPTER** Boring Heads. **CROWN** Electric Fork Lift 1,800kg SWL. **DIGIMAR** CX1 Height Gauge. **INGERSOLL RAND** Screw Compressor. **RJH** Badger Single Wheel. Lapping Machine. **KEMPPI** Kempomat 320 Mig Welder. **MARBAIX** Disintegrator. **ABWOOD** Double-Ended Grinder. Paint Spray Booth. 36in Pyramid Hand Rolls. Several Bays of Pallet Racking.

Tooling & Inspection

Large Quantity of BT50 Tooling. Angle Plates. Box Tables. Chucks. Twist Drills. Taps. Reamers. Cutting Tools. Milling Cutters. Rotary Tables. Dividing Heads. Micrometers up to 36in. Verniers. Many more items.

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DAY 2: THURSDAY 12TH MAY @ 9:00 A.M. EDT * 1000+ LOTS OF TOOLING

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(4) 6.1" GIDDING & LEWIS RT 1600 CNC Horizontal Boring Mills as New as 2011
(2) 6.1" GIDDINGS & LEWIS PT 1800 CNC Horizontal Boring Mills as New as 2007
6.3" VANGUARD CNC Horizontal Boring Mill, mfg.2008
(4) 6" GIDDINGS & LEWIS G60-TX Horizontal Boring Mills
(4) 6" GIDDINGS & LEWIS 70-H6-T CNC Horizontal Boring Mills
7" GIDDINGS & LEWIS H70T CNC Horizontal Boring Mill
(2) 5" GIDDINGS & LEWIS PC 50 CNC Horizontal Boring Mills
G&L SHEFFIELD Traveling Gantry CMM, Software Upgraded 2013
PFAUTER P400G CNC Gear Profile Grinding Machine
MAZAK QT30M CNC Turning Center
OKUMA LB-35II-MX2000 CNC Turning Center
WARNER & SWASEY SC-28 CNC Turning Center
NIHON KIKAI NDH-1200 Universal Gear Hobber
Portage Layout System
Large Selection of GIDDINGS & LEWIS Hydrostatic Index Tables up to 60" x 96"
Right Angle Heads
Facing Heads
Tooling Systems
VIDMAR Cabinets
DEVLIEG & PARSET Tool Setters
EIMELDINGEN 63" x 63" CNC B-Axis Rotary Table, mfg.2010
WINSLOWMATIC & CINCINNATI Tool Grinders
Angle Plates
HENRY Coolant System
Fork Trucks
MAS VR-84A Radial Drill
Welders
Gantry Crane System

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WORLDWIDE ASSET DISPOSALS

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F1 Racing MACHINERY ONLINE AUCTION April 28th

A Major Formula 1 Racing Company is offering for sale a variety of machines and high pressure compressors which are surplus to their requirements.

Online Auction Date: Thursday 28th April 2016 – 3pm BST. Location: Northamptonshire
Viewing Dates: Appointment only. Call us for more details: 02476 992205 *Please see individual lots for removal dates from site*

Mori Seiki SL-25M (1995)
CNC Turning Centre

Mori Seiki CL-20 (1996)
CNC Turning Centre

Mori Seiki SL-15
CNC Turning Centre

350 Bar CompAir
Compressor (2005)

300 Bar CompAir
Compressor (2004)

OIL & GAS INDUSTRY Machinery ONLINE AUCTION April 21st

A 2006 Mazak Cybertech Turn 4500M is available which was previously used in the supply of high quality precision machined components.

Online Auction Date: Thursday 21st April 2016 – 3pm BST. Viewing: Appointment only.
Location: Scotland.

Mazak Cybertech Turn 4500M (2006) with Mazatrol 640MT Pro control

MANTEC

Mantec Engineering Ltd is offering a 2011 Doosan Puma TT1800SY and a 2009 Doosan VC500 for sale due to restructuring and further investment.

Online Auction Date: Thursday 12th May 2016 – 3pm BST.
Location: Manchester
Viewing Dates: Appointment only. Call us for more details: 02476 992205

Doosan Puma TT1800SY (2011)
Fanuc 31i Control

Doosan Ace VC500 (2009)
Fanuc 21i Control + Kitagawa 4th Axis

FEATURED MACHINERY ONLINE AUCTION May 12th

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

Online Auction Date: Thursday 12th May 2016 – 3pm BST.
Viewing Dates: Appointment only Call us for more details: 02476 992205
info@1stmachineryauctions.com

HAAS VF-0E
Vertical Machining Centre (1995)

LVD LASER HELIUS 2513, Fanuc 16LB
CNC Control, 2000w Laser

Harrison Alpha 330T
(2002)

Rambaudi
Versamill

Fanuc Robocut 0C (1998)
Fanuc 16W Control

- Skanko 7403
Large Slotting Machine
- Agiecut D100 EDM Machine
- Eaton Leonard CNC Tube Bender
- Progress Drill
- Hyster 8 Ton Forklift
- Brierley Tool & Cutter Grinder
- Compair Compressor
- ITP CMM
- CE Johannson CMM
- Various Tooling

Denner Kelford Grinding Ltd
2013 CNC Universal Grinder Online Auction

Denner Kelford Grinding Ltd, a universal precision grinders company, has this High Quality CNC Universal Grinder available for sale due to restructuring and further investment.

Online Auction Date: Thursday 19th May 2016 – 3pm BST. Location: Birmingham.
Viewing: Appointment only.

Jones & Shipman Suprema 1000M Easy
CNC Universal Grinder (2013)

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

CALL: 02476 992205
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Online Auction Sale

CNC Turning & Machining Centres formerly used by RQT Precision Engineering Ltd (in Administration)

Cottrill & Co.
WORLDWIDE ASSET DISPOSALS

Bidding Ends: Tuesday 26th April 2016 at 3.00pm (UK Time)

Viewing by Appointment only with the Auctioneer

- **Mazak** Integrex 400-IV S Multi-Tasking Turning Centre with Mazatrol Matrix Control System, 40-Station ATC, Swarf Conveyor, Axis Travels: X = 630mm, Y = 230mm, Z = 1585mm, B =225 degrees, Max Turning Dia: 760mm, Max Turning Length: 1524mm, Distance between Centres: 1500mm, 15" Main Chuck, 12" Sub-spindle Chuck (2006)

- **Mazak** FH-6800 4 axis Twin Pallet Horizontal Machining Centre with Mazatrol 640M Control System, BT 50 Spindle Taper, Axis Travels: X= 1050mm, Y = 800mm, Z = 880mm, B axis 360 degree, Pallet Size: 630mm x 630mm, 80-Station ATC, High Pressure Coolant System (2005)

- **Doosan** VC630-5A 5-Axis Vertical Machining Centre with Heidenhain 530i Control System, ISO 40 Spindle Taper, Axis Travels: X = 650mm, Y =765mm, Z = 520mm, B axis: 360 degree, A axis: 150 degree, Table Diameter: 630mm, 40-Station ATC, Through Spindle Coolant (2014 - Installed 2015)

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

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

(4) Online Auction Sales

High Quality CNC, Conventional & Inspection Equipment no longer required due to the closure of Premier Precision Engineering Ltd

Cottrill & Co.
WORLDWIDE ASSET DISPOSALS

Bidding Ends: Wednesday 27th & Thursday 28th April 2016
3pm & 4pm (UK Time) on both days

- **Doosan** Puma 700LM Heavy Duty Turning Centre (2007)
- **Doosan** Puma 500 Heavy Duty CNC Turning Centre (2006)
- **Doosan** Puma 400LB Heavy Duty CNC Turning Centre (2004)
- **Doosan** Puma 400 Heavy Duty CNC Turning Centre (2006)
- **Doosan** Puma 3100LM CNC Turning Centre (2012)
- **Doosan** Lynx 200B CNC Turning Centre (2007)
- **Doosan** Lynx 220LC CNC Turning Centre (2007)
- **Mazak** SQT 250M CNC Turning Centre (2001)
- **Doosan** Lynx 200L CNC Turning Centre (2007)
- **Doosan** Puma CT250 CNC Turning Centre (2000)
- **Mazak** VTX 800SR CNC Vertical Machining Centre
- **Daewoo** Mynx 6500-50 CNC Vertical Machining Centre (2013)
- **Mazak** VTC 300 C MKII CNC Vertical Machining Centre (2005)
- **HAAS** VF4 CNC Vertical Machining Centre (2000)
- **HAAS** VF3 3DCE CNC Vertical Machining Centre (2004)
- **HAAS** VF2 CNC Vertical Machining Centre (2010)
- **HAAS** VF2 DHC CNC Vertical Machining Centre (2007)
- **Zoller** Smile 400 Tool Pre-Setter
- **Harrison** Alpha 400T CNC Lathe
- **Colchester** Magnum 1250 Gap Bed Centre Lathe
- **Harrison** M300 Lathe
- **Jones & Shipman** 540 Surface Grinder
- **XYZ** 3000 Turret Mill (2011)
- **Aberlink** Axiom, Maxim & Zenith Co-ordinate Measuring Machines
- **Indentec** 4150AK Rockwell Hardness Tester
- **Baty** R400 Horizontal Profile Projector
- Qty Various Inspection Equipment
- Qty Granite Tables
- **Mark, Gardner Denver & RSKF** Compressors
- **Doosan** G30E-S Fork Lift Truck (2014)
- Qty **Morris** 500kg SWL Pillar Cranes
- Qty Scissor Lifts, Pallet Trucks & other Lifting Equipment
- **Large Qty of Inspection Equipment—Separate Auction**
- **Large Qty of Tooling and Ancillary Items—Separate Auction**

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

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Bidding Ends: Thursday 5th May 2016 at 3.00pm (UK Time)

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- **Matchmaker** Mini Mill 610 CNC Vertical Machining Centre with Fanuc Series 0i Mate MC Control (2006)
- **Miyano** BND-42S5 CNC Turning Centre with Fanuc Series 21i-TB Series (2007)
- **Miyano** BND-42S5 CNC Turning Centre with Fanuc Series 21i-TB Control (2004)
- **Miyano** BND-42S5 CNC Turning Centre with Fanuc Series 21i-TB (2003)
- **Miyano** BND-51S2 CNC Turning Centre with Fanuc Series 21i-T Control (2001)
- **Miyano** BNF-16S CNC Turning Centre with Fanuc Series 21i-T Control (2005)
- **Miyano** BNC-34S CNC Turning Centre with Fanuc Series O-T control (1989)
- **Miyano** BNC-34S CNC Turning Centre with Fanuc Series O-T control
- **Citizen** Cinicom C16 (VII) CNC Turning Centre (2003)
- **Hanwha** SL26HP 7 Axis Twin Spindle 'Swiss Centre' CNC Turning Centre with Fanuc Series 18i-T Control (2002)
- **Star** SA-12 CNC (460J) Turning Centre with Fanuc Series 18i-T Control (1998)
- **Star** SA-16R CNC Turning Centre with Fanuc Series 18i-T Control (2001)
- Qty **Index Werke** B60 & B42 Turret Cam Auto Lathes
- **Index Werke** DO12 Cam Auto Lathe
- Qty **Strohm** SJ125, 125S, 125S, 125SJ Cam Auto Lathes
- **Tornos** R16 Cam Auto Lathe
- **Theodor Jopp** KH2-250 Cam Cutting Machine
- **Harrison** M300 Centre Lathe
- **Jones & Shipman** 311 Surface Grinder
- Qty **Erma** Bench Top Sec-Op-Mils
- Quantity of Collets and Attachments for Cam Autos
- Qty Various Tooling including; Drills, Collets, Sleeves, Vices
- Qty Cupboards, Cabinets, Benches, Shelving and Racking
- Various Inspection Equipment including Mitutoyo CJ 250 Profile Projector, Avery & Kern Scales, Shadowgraph, Height Gauges, Verniers, Micrometers
- **Caterpillar** GP18 LPG Forklift Truck (1997)
- Plus many more items

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CNC Vertical Machining Center
HARTFORD VMC 3060 SG
Year of production: 2002
X: 3 060 mm
Y: 800 mm
Z: 620 mm
CNC FANUC 18 MC
Table: 3 100 x 800 mm
Max workpiece weight on table: 3 000 kg
Range of spindle speeds: 40 – 6 000 rpm
~~69 000 EUR~~ **54 000 EUR**

NEW IN STOCK

CNC Vertical Machining Center
DUGARD EAGLE 1300 VMC
Year of production: 2001
X: 1 300 mm
Y: 635 mm
Z: 635 mm
CNC HEIDENHAIN
Table: 1 450 x 570 mm
Spindle r.p.m. range: 80 – 8 000 r.p.m.

NEW IN STOCK

CNC Machining Center
COLCHESTER STORM VMC 1020S
4th axis with tailstock
Year of production: 2008
CNC FANUC 0i-MC
Taper: BT40
Spindles speeds: 8000 rpm
Table size: 1200 x 500 mm

NEW IN STOCK

CNC Lathe
COLCHESTER TORNADO T 8
Year of production: 2005
CNC FANUC 21i-TB
3 Jaw Chuck: 250 mm
12 Turret station

CNC Lathe
QUICK TECH XP4-60SM
sub spindle, driven tools, Y axis, bar magazine
Year of production: 2005
CNC QUICK TECH
Max bar diameter: 60 mm
X/Y/Z travel: 250/380/330 mm

CNC Gantry Milling Machine
HARTFORD HB 3150
Year of production: 1998
CNC MITSUBISHI MELDAS
X: 3 000 mm
Y: 1 500 mm
Z: 700 mm
Tool chuck: BT 50
~~69 000 EUR~~ **59 000 EUR**

Shear
HACO TS 3006
Year of production: 2005
SP 8
Cutting thickness: 6 mm
Cutting length: 3 000 mm

CNC Surface Grinder
JONES & SHIPMAN PROGRIND 1045 X
Year of production: 2002
GOODWIN
Table: 1 000 x 500 mm

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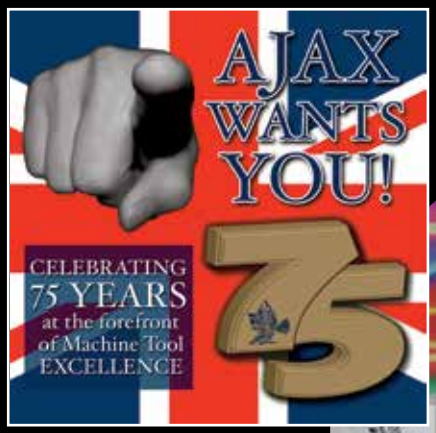

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