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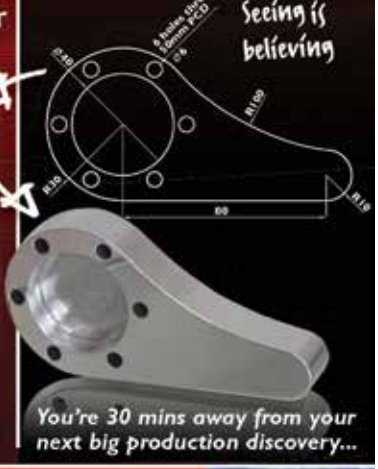

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Doors set to open at IMEX 2016

The 2016 International Machine Tools Expo (IMEX), an exclusive business exhibition for machine tools and allied products, gets underway this week. Taking place at the Pragati Maidan in New Delhi on 10-12 August, IMEX will yet again provide an important gateway to international and domestic manufacturers/suppliers of machine tools and automation products, creating a special platform to leverage the rapidly growing Indian market.

At the 11th edition of the event, MTI will be handing out hundreds of extra printed copies of its show issue to visitors – some 5652 people attended the 7000m^2 exhibition last year. In 2016, the show will be co-located with four other industry exhibitions, making it an extended platform for the metal, engineering, manufacturing and machine tool industries.

For further information www.imexonline.com

WNT makes €16,000 donation

The 36th Allgäu Rundfahrt took place on the 24 July, with good weather attracting over 2200 amateur cyclists to take part in the event. Allgäu Rundfahrt is the largest cycling event in the Allgäu region of Germany and it offers Team WNT the opportunity to take part and present its enthusiasm for all things cycling. As in previous years, Team WNT placed a heavy emphasis on riding for a cause with the company pledging to donate €1 for every kilometre ridden by its team members. The money raised by Team WNT totalled €16,090 and will be donated to the charitable organisation, Doctors without Borders.

For further information www.wnt.com

Rolls-Royce headlines at Starrag

Alongside a host of Starrag developments and innovations in the machining of turbine blades, blisks and casings, the keynote address at Starrag's recent Turbine Technology Days was delivered by Rolls-Royce's Dr Gregor Kappmeyer. Showcasing a range of machines as well as complementary software and tooling for turbine engine production, the event attracted customers and partners from as far afield as China and the US to the company's headquarters in Rorschacherberg, Switzerland.

Rolls-Royce Deutschland's manufacturing manager of engineering and technology pinpointed a number of product and business challenges: "To remain competitive we must continue to adopt new materials and manufacturing technologies, as well as modern equipment and methods. We must also improve our process understanding – embracing an increased attention to detail through the use of simulation, tool specification and quality control with suppliers."

For further information www.starrag.com

Three laser cutters sold

Bystronic UK welcomed more than 80 visitors to its open house last month at the company's Coventry headquarters and technical centre. During the week of the event, orders were placed for three laser cutting machines. Bystronic's latest fibre laser machine was on show, the ByStar Fiber, which boasts Industry 4.0 readiness and a new control system. The machine has been designed from the ground up to move a fibre optic cutting head across the laser bed as efficiently as possible. Also, a full length sliding door allows users to remove rush jobs or inspect components from the side at any time.
For further information www.bystronic.co.uk

Citizen boosts sales team

Recently appointed as a sales engineer following almost five years in applications for Citizen Machinery UK, Warren Garratt has already used his experience with a customer based on the sale of a Miyano BNE-51MSY turn-mill centre. By co-ordinating his recent sales and long-standing applications expertise, he was able to undercut a major competitor by demonstrating cycle time savings of some 100 seconds. His appointment follows reorganisation of the sales operation to expand customer support. Garratt represents the West Midlands and North Wales.
For further information www.citizenmachinery.co.uk

BMC benefits from consistency and more capacity

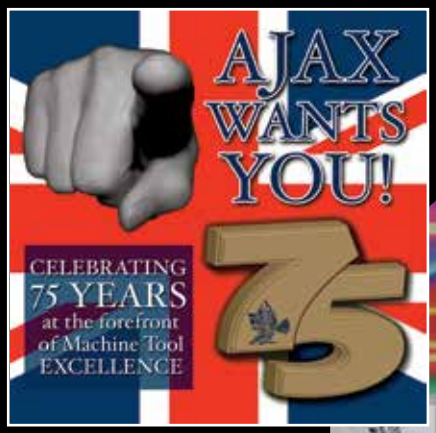
The Bucket Manufacturing Co Ltd (BMC) – a UK-based manufacturer of digger attachments – has recently taken delivery of a new MG3016C CNC sheet rolls supplied and installed by Selmach Machinery Ltd. Based in Chepstow, BMC recognised the need to upgrade its existing operation and invest in a CNC machine, and chose Selmach, the agent for MG SrL in Italy. The MG3016C has a rolling capacity of 16 mm across a 3 m width, with a pre-bend capacity of 13 mm. Wayne Ridings, managing director of BMC, says: "Since the machine has been installed we are experiencing consistency with our rolling, and our capacity could be increased four-fold at any time required."
For further information www.selmach.com

First Pietro Carnaghi sold

BEL Engineering, a division of Newcastle-based British Engines, is the first UK purchaser of a Pietro Carnaghi Flexturn 25 large capacity multi-tasking machining centre since Carnaghi became represented in the UK by the Engineering Technology Group. Jonathan Lamb, CEO of BEL Engineering, says: "For the type of machining projects we are expecting to put on the Flexturn, Pietro Carnaghi has a superb pedigree. Furthermore, the detachable nature of the machining heads gives us tremendous flexibility, while ensuring we protect unused heads in what is a very unforgiving machining environment."
For further information www.engtechgroup.com

IET names new president

The IET has announced that Prof Jeremy Watson will become its next president, taking up the position on 1 October 2016. Watson is professor of engineering systems and vice-dean in the faculty of engineering sciences at University College London. He is also chief scientist and engineer at Building Research Establishment (BRE). Watson was awarded a CBE in the Queen's 2013 birthday honours for services to engineering. A Chartered Engineer, his president's address on 6 October will form part of the IET's first ever 'Engineering the Future Festival' at IET London,
For further information www.theiet.org



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AUCTION SPOTLIGHT

● Cottrill & Co is staging an auction of CNC machines used previously by Woodcroft Engineering. Lots include: a Doosan Puma 2600 lathe; a Hardinge Conquest T42 lathe; a Haas VF5/40 HE VMC with 4th/5th axis; a Matsuura MC520VG VMC; a Toyoda FH635 twin-pallet HMC; two Bridgeport BPC550H twin-pallet HMCs; a Mori Seiki MV45 VMC; a Maho MH700c universal mill; and SMT Pullmax Swede Turn 10 and 20 lathes. Viewing is by appointment only. Bidding ends on 10 August at 15:00.
+44 (0)121 328 2424 www.cottandco.com

● Peaker Pattinson is conducting an online auction of machines due to the closure of Whit-Met Engineering, Hinckley, UK. Lots include: two LVD Shape Delta 1250 CNC turret punch presses; various Mebusa upstroking hydraulic press brakes; an Amada RG25-12 press brake; two Promecam 2m press brakes with light guards; two Edwards Pearson VR6.5/3070 hydraulic guillotines; an Amada S-1232 guillotine; and an Amada SP30 punch. Viewing is on 9 August by appointment. Auction date is 11 August.
+44 (0)1778 590111 www.ppauctions.com

● Koster Industries is hosting an onsite and webcast auction of machines no longer required by GE Oil & Gas, Lufkin, Texas, USA. Lots include: a Cincinnati U5-1500 rail type CNC gantry mill; Giddings & Lewis PT1800 and MC1600 CNC horizontal borers; a Giddings & Lewis VTC1600 CNC adjustable rail VTL; Toyoda, Giddings & Lewis and Cincinnati CNC HMCs; a Bullard Cutmaster 42" VTL; and a Leistritz Polymat 70/600 CNC key-seater. Auction is on 11 August at 10:30. Viewing is day before or morning of sale.
+1 631 454 1766 www.kosterindustries.com

● 1st Machinery is facilitating an online auction of various machines located at a number of UK sites. Lots include: an Ecoca EL 4615 E; a Dugard Eagle 20; a Mazak Quick Turn 8 CNC lathe; an Ikegai CNC lathe; a Jones & Shipman 1305 universal grinder; a Ward 2DS Capstan lathe; a CVA A12 cam auto lathe; a Herbert 5 Senior lathe; an Archdale drilling machine; an Iemca CS116 barfeed; pneumatic air tools; and an Abwood rotary/tilting 6" machine vice. Viewing is by appointment. Auction date is 11 August at 15:00.
+44 (0)2476 992205
www.1stmachineryauctions.com

● Mid-Ulster is holding an onsite auction of machinery and equipment used previously by McGrath Brothers Eng Co, Lisburn, UK. In total, over 1500 lots of engineering machinery, equipment, tooling and stock will be available, all of which have been used in the fabrication of bridges, balconies, balustrades, canopies, platforms, cladding, roofing, handrails, lift shafts, stairs and walkways. Viewing is on 11-12 August (10:00-16:00). Sale starts at 09:00 on 13 August.
+44 (0)2879 469564 www.midulsterauctions.com

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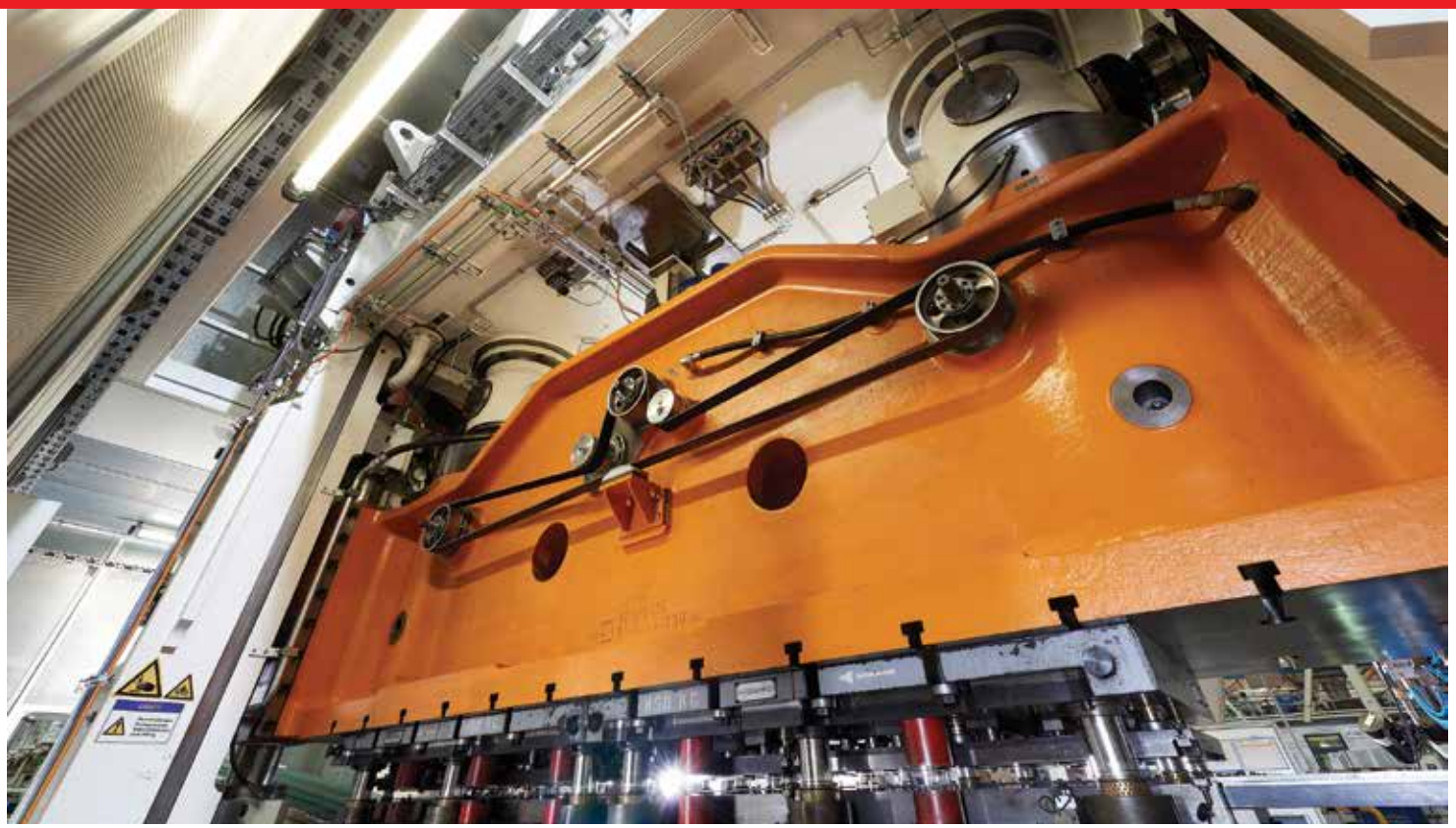


VW produces motor parts on Schuler line

Volkswagen is now producing components for electric motors at its Kassel facility on a Schuler press line. Thanks to its rigid press body, the Smartline is manufacturing precision drive components for the e-Golf and e-Up.

The Smartline blanks and punch-bundles laminations which are then assembled to make motors for these electric vehicles. Each part can be processed directly without any subsequent operations.

Volkswagen uses the Smartline to process sheet metal with thicknesses of just 0.3 mm, and sometimes even 0.2 mm. The processing of thinner laminations enables the production of electric motors with lower eddy current losses and, as a consequence, increased efficiency and reduced power consumption.

With Smartline technology, die life is extended significantly, says Schuler. Thus, while output is increased, part costs are reduced. According to the company, good die life is a result of the precision of the press with its play-free slide guiding system and high rigidity. The oil-tempered cast iron body also increases the thermal stability of the press.

Despite having a bed measuring 3.3 m and weighing several tonnes, the machine works within tolerances of hundredths of a millimetre. This is due in part to the dynamic depth penetration control developed by Schuler, which checks the depth of die penetration on every stroke and adjusts it where necessary. The whole process, from measurement to adjustment, takes just hundredths of a second. Smartline is therefore capable of using very long dies or reliably blanking extremely thin sheets which permit only minimal die clearance.

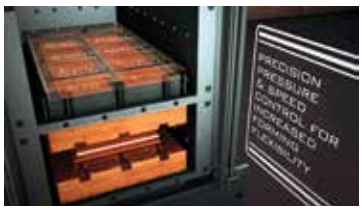
For further information
www.schulergroup.com

Ducommun relies on hot forming technology

Beckwood has partnered with aerospace industry specialist Ducommun Inc to design and manufacture two new hot forming presses for the company's Parsons, Kansas facility. Ducommun now has six Beckwood machines, further strengthening the alliance between the two companies.

Delivered in May 2016, the fifth Ducommun press is proving to be instrumental in hot forming titanium parts for a variety of aerospace platforms, including the new Boeing 737 MAX aircraft. Highlights of this 200-ton custom press include a pneumatic dwell system which allows the primary electric motor and pump to be 'turned off' during the extended dwell cycle for improved energy efficiency. Also featured are dual linear and pressure transducers in the main ram cylinders for optimal reliability and redundancy, and precision speed control to regulate ram speeds.

The sixth machine, a 570-ton hot forming/super plastic forming press, is being used to form titanium structures for the Airbus A320 aircraft. Special features of



this press include an automatic insulated door system for loading and unloading without adversely affecting the operating temperature, a bed shuttle system for loading and unloading parts and tooling, and Beckwood's proprietary ALC (active level control) system, which uses closed-loop monitoring and control to maintain bed-to-ram parallelism and reduce the effects of off-centre loading.

In addition to hot forming, this press also has capabilities for SPF (superplastic forming). SPF, a valuable tool for the fabrication of complex parts in the aerospace and automotive industries, uses high temperature argon gas pressure to form high-strength materials into net shapes in a single operation.

For further information
www.beckwoodpress.com

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AP&T supplies Aesculap's latest production line

Challenges are part of AP&T's day-to-day operations, but some challenges are more complex than usual. The most recent assignment for Aesculap AG, which is located in Tuttlingen, undoubtedly falls into that category. "This is not like anything else I have ever been involved in," says Kristian Broberg, who is the project manager in charge at AP&T.

Aesculap, which makes products for the surgical sector, needed a partner to build an automated press line. The aim was to increase and streamline the company's production of what are known as sterile containers, which are metal containers used for sterilising surgical instruments and other equipment. In total, over 50 product variants made of aluminum or stainless steel are involved. A requirement was that it should be possible for all of the variants to be manufactured on a single line. AP&T was chosen to resolve the task after a careful selection process.

"AP&T presented a complete solution that corresponded to our requirements for flexibility in relation to different material flows and process control," says Markus Siller, segment head at Aesculap. "AP&T was also willing to integrate and automate special purpose machines from other manufacturers in the complete installation."

The majority of the new machines – including eight presses – and all of the automation needed to build the production line were delivered by AP&T. An existing machine was also integrated, as was equipment from several other manufacturers.

"We are very satisfied," says Siller. "Thanks to the new line, we have been able to increase our capacity and satisfy growing demand for our products. Increased automation allows us to meet demands for high quality and improve our productivity at the same time."

For further information
www.aptgroup.com

Deep-draw press supports turbine production

Quintus Technologies has delivered a hydroform deep-draw press to Electro-Methods Inc (EMI) of South Windsor, Connecticut, a supplier of turbine engine components. In the face of robust demand from the jet engine industry, the new 4000 ton press will expand EMI's capabilities, further enabling the production of intricately-shaped sheet metal parts and assemblies.

"We have a long history in the aerospace fabrication business, and with this new investment we are able offer additional capabilities to our customers, primarily General Electric and Honeywell," says EMI president Randy Fries. "We are used to tough fabrication demands from our customers and are now well positioned and keen to support the expected ramp-up requirement in the aerospace industry."

Along with its forming capabilities, the Quintus press requires only a single rigid tool half, thus reducing tool costs. The other half of the tool is a flexible rubber diaphragm under uniform hydrostatic pressure. Material draw ratios of up to 3:1 eliminate several forming operations, intermediate heat treatments and operator dependencies. The high forming

pressure ensures close-tolerance parts direct from the press, with little or no secondary manual work required.

"The new family of deep-drawing fluid cell presses that Quintus has developed over recent years is specifically aimed at the versatility requirements within the jet engine industry, making this press a good fit for EMI," says Jan Söderström, CEO of Quintus Technologies in Sweden.

Adds Ed Williams, Quintus general manager – Americas: "EMI's choice of the 11,600 psi deep-draw press will support the demand for fabrication of low weight and very tough metal alloys required by jet engine designers seeking fabrication solutions for fuel-efficient aircraft."

For further information
www.quintustechnologies.com

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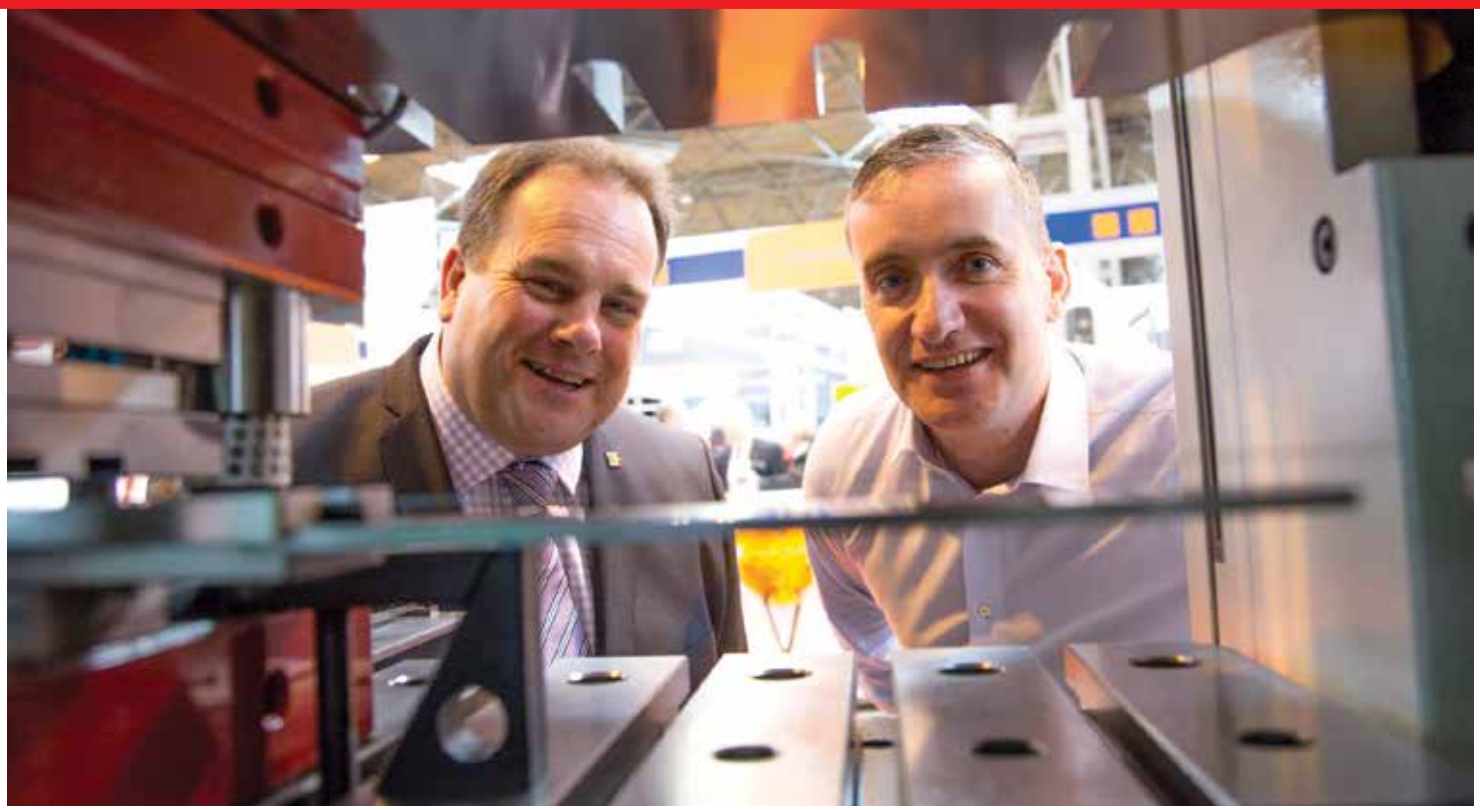

Press investment delivers growth and new jobs

Investment in a new high speed precision press is already paying dividends for a UK spring and pressings specialist after it announced 10% growth in 2016 and the creation of 35 new jobs. Beckenham-based European Springs & Pressings Ltd, which provides springs, wire forms, pressings and assemblies to a global client base, has secured a string of new orders after installing its first Bruderer BSTA 500-110 press.

The acquisition gives the company a much larger press bed area (1.1 m) for multi-progression tooling of complex processes, while the precision construction of the machine offers reduced die wear, especially on high tensile spring quality materials. In addition, the latest B control system of the press has reduced set-up times, which shortens time to market on new products and improves efficiency on small volume production batches.

"We have experienced significant growth through the acquisition of a number of new product programmes, requiring us to invest in a more flexible machine that offered speed, accuracy and repeatable quality," explains managing director Stuart McSheehy.

"I gave a 'wish list' to Bruderer UK, who sat down with us, examined what we needed from the new press and recommended the BSTA 500-110, promising it could be operational from January 2016. The machine worked straight out of the box, which is rare in our industry. Performance has been very impressive and not only are we delivering on orders already won, but actually going out and competing for work that we couldn't previously have taken on. Sales are up to £16m across our three sites in London, Cornwall and Leeds, and our workforce now stands at 170, five of whom are apprentices."

For further information
www.bruderer.co.uk

Non-marking coil feed line delivered

CHS Automation says it recently built a new non-marking coil feedline designed for running pre-painted material for a manufacturer in the appliance and lighting industry. The 4500 kg x 457 mm x 2 mm feedline was shipped in June.

The complete coil feedline features a double end pull-off coil reel and coil car combination, 4500 kg per side capacity, a coil loading cart with automatic centring, a seven-roll powered straightener, threading table and a CHS Matrix MX300 servo roll feed.

CHS designed a special braking system for this delicate material – as the coil unwinds, the OD is monitored by a laser and the brake pressure is adjusted automatically through the run. A custom 'dual caliper' system allows for smooth unwinding of the coil and low tension, which was important for this project as the material was very thin and pre-painted.

The heavy duty, seven-roll powered straightener features a high lift head for ease of roll cleaning and neoprene-coated exit rollers to prevent marking

of the material. Furthermore, the thread table (featuring a nylon top), enhances automatic material threading from the reel or straightener to the press feed.

The rollers on the MX-318 HD cabinet-mounted servo feed are also neoprene-coated to prevent material marking, while the servo feed is equipped with a Rexroth/Indramat servo control package featuring an RFE output card and touchscreen. This line has the capability to run step-feeds of different length and fire GAG outputs to the tooling to make special patterns in the blanks. The entire system was fully tested with coil at CHS to ensure 100% operation and efficiency prior to shipment.

For further information
www.chsautomation.com

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VINCI ENERGIES

VSDs improve reliability and increase speed

A coil processing equipment manufacturer has introduced variable speed drives from Control Techniques, an Emerson business. Athader, based near San Sebastian, Spain, manufactures coil processing lines, mainly slitting lines and levelling and cut-to-length lines for steel, stainless steel and aluminium material.

Among the recent applications at Athader was the development of a transversal cutting line for steel bands up to 25 mm thick and 1800 mm wide. The Emerson solution includes a control cabinet and three control desks; the cabinet includes a total of 19 AC drives in a DC bus configuration that ensures stability and optimised energy consumption.

Moving through the cutting line in sequence, the uncoiler is served by a single Unidrive M701 featuring an Si-Application option module and dedicated unwinder software. From here, the unwound coil moves into two levellers, each of which relies on two Undrive M700 units in parallel with accompanying software. In addition, four Unidrive M200 drives are deployed for auxiliary elements. The next station, a flying shear, features one Unidrive M700 with Emerson's dedicated software, along with a single Unidrive M200 for the conveyor. In addition, a total of 10 Unidrive M200 drives control further parts of the system, such as inspection and evacuation conveyors, stackers and stores. The cabinet also features two Emerson SPMC2402 DC rectifiers working in parallel.

Athader states that working with Emerson's solutions support has allowed the company to optimise its machine designs. For instance, speeds have increased by more than 300%, from 200 to 600 m/min for longitudinal systems. In addition, the machines can now process a wider range of materials, from 12 mm band thickness (500 MPa) previously, to the current 25 mm thick (1100 MPa).

For further information
www.emersonindustrial.com/automation

Coe delivers coil feeding line

Coe Press Equipment announced that it has supplied and installed a coil processing line to Alliance Laundry Systems of Ripon, Wisconsin, a specialist in commercial laundry equipment and solutions. The line, which is now in operation, consists of a servo feed, dual threading table, power straightener and coil reel with full line automation controls.

The 1067 mm line is designed to process stainless steel coil from 0.71 to 21.6 mm thick

material depending upon the width. It features a ServoMaster Series 4 roll feed capable of 120 m/min, a 1067 x 3048 mm dual threading table, an 89 x 1067 mm power straightener, and a 13.6 tonne capacity coil reel.

Celebrating its 40th year, COE Press Equipment designs and manufactures a complete line of coil handling and servo roll feed equipment from stand-alone roll feeds, straighteners, reels, cradles and air feeds to complete integrated feed systems and cut-to-length lines.

The company supplies and services a wide variety of global markets and industries including automotive, appliance, lighting, metal processing, housewares, lawn and garden, contract stampers, tool and die builders, and many others.

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AMADA ASTRO II 100NT BENDING CELL, MODEL: HDS-1030NTR. TOOL CHANGER. MFG: 2008. STOCK NUMBER: 10488

4000 WATT **AMADA FO3015MII RI** LASER CUTTING SYSTEM WITH ROTARY INDEX. MFG: 2012. STOCK NUMBER: 10320

4000 WATT **MAZAK OPTIPLEX 3015** CO2 LASER SYSTEM. MFG: 2014. STOCK NUMBER: 10489

22 TON AMADA **VIPROS 255** HYDRAULIC CNC TURRET PUNCH PRESS. W/ FANUC 18P CNC CONTROL. MFG: 1998. STOCK NUMBER: 10487

257 TON X 127" **TRUMPF TRUMABEND V230** CNC PRESS BRAKE. 6-AXIS CNC BACKGAUGE. CROWNING. UPPER & LOWER HYDRAULIC CLAMPING. MFG:2004. STOCK NUMBER: 10404

143 TON X 127" **AMADA HDS-1303NT** DOWN ACTING 8-AXIS CNC PRESS BRAKE. MFG: 2003. STOCK NUMBER: 10523

138 TON X 118" **AMADA FBD1253NT** "UP-ACTING" CNC PRESS BRAKE. MFG: 2002. STOCK NUMBER: 10527

33 TON **AMADA PEGA 357** TURRET PUNCH W/FANUC O4PC CNC CONTROL. MFG: 2000. STOCK NUMBER: 10430

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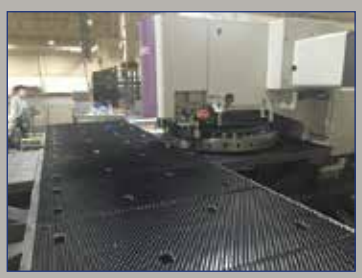
1/2" X 13' **AMADA H4013** HYDRAULIC SQUARING SHEAR. MFG: 1986. STOCK NUMBER: 10528



22 TON **MURATA WIEDEMANN MOTORUM 2048UT** SERVO-ELECTRIC TURRET PUNCH. MFG: 2011. STOCK NUMBER: 10534

4000 WATT **MITSUBISHI ML-3718LVPLUSII** LASER CUTTING SYSTEM. MFG: 2009. STOCK NUMBER: 10535

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Grinding length: 800 mm
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Electro magnetic table:600x400 mm
Stock nr.: slijp220

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Beka Mak BMSY 450

Capacity Square: 450 x 450 mm
Clamp mitre: 1 x 45° mm
Hydraulic clamping
Variable adjustable revolutions
Stock nr.: zaag294

CNC Cylindrical grinder

Naxos Union RTY 63/2000

Control: Siemens Sinumerik syst. 3
Capacity: 600 x 2.700 mm
Grinding wheel diam.: 800 mm
Grinding wheel width: 100 mm
Stock nr.: slijp233

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Haeusler RMA

Capacity: 2.500 x 30 mm
Diam. Top roll: 450 mm ø
Number of rolls: 3
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Capacity: 2.500 x 50 mm
Pre-bend capacity: 40 mm
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Capacity: 4.050 x 20 mm
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Capacity: 5 ton
Plate dimension: 2.440 mm ø
Spindleboring heart of plate: 295 mmø
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Welding width: 3.000 mm
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Zayer MFU 10.000

Control: HeidenhainTNC 155
Table: 10.000 x 1.200 mm
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Revolutions.: 28 - 1800 RPM
Stock nr.: frees463

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 VTL

GTC-20090

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

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 Lathe

Duplo Standard Diamant 30 BI

Control: Siemens 810 T G-A 3
Distance between centers: 5.500 mm
Swing over bed: 800 mm ø
With C-axes and milling attachment
Stock nr.: draai572

CNC Machine center

Mazak AJV-25/405

Control: Mazatrol M 32
Table: 2x: 1.240 x 550 mm
X/Y/Z: 1.000/508/460 mm
Tool changer: 60
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FLOOR TYPE BORING SCHIESS FRORIEP SPD 150MM DIGITAL TRAVELS 7000X3700MM SKODA TABLE 2000X2000MM

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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

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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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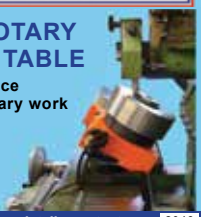

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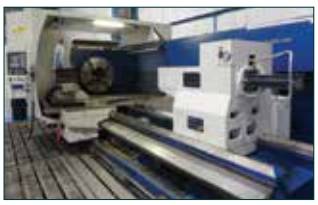
DOOSAN S550L 2 Axis CNC Slant Bed Lathe with Fanuc 21i-TB Control. Year 2006. Maximum swing 710mm. Maximum turning dia.550mm. Maximum turned length 1130mm. Spindle speeds 30-2500 rpm. Spindle power 22 kW. Spindle bore 102mm. Bar capacity 88mm. Rapid Feeds X & Z 20 & 24m/minute. Tailstock taper 6MT. Tool setter. Coolant. Tailstock. Interlocked guards. Low Volt Light.

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 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.

SWIFT 21D Heavy Duty CNC Lathe with Fanuc Oi-TD Control. Overhauled & retrofitted 2012. Swing over bed 42" 1066mm. Swing over saddle 30.5" 774mm. Maximum distance between centres 192" 4876mm. Maximum weight between centres (unsupported) 12 tons. Chuck dia. 41.5" 1054mm. Main spindle dia. 9" 228mm.

HURCO TM8i CNC Lathe with Hydrafeed MV65 Barfeed. MAX CNC Control. Year 2013. Max. cutting diameter 256 mm. Max. cutting length 458 mm. Chuck diameter 203 mm. Bar Capacity 52mm. X-Axis 203 mm. Z-Axis 508mm. Feeds X/Z 19/24 mm. Spindle-motor 16 kW. Torque 180 Nm. Spindle speed 0-4800 rpm.

HYUNDAI Wia L230LMSA Slant Bed CNC Lathe with C Axis & Driven Tooling. Fanuc 32i. Year 2014. Main spindle. Chuck dia. 210mm. Maximum swing 551mm. Turning dia. 309mm. Turning length 520mm. Spindle bore 77.97mm. Bar capacity 66mm. Main spindle 4,000 rpm. Main spindle nose A2-6. 20HP. Sub spindle nose A2-5.

MAZAK Nexus Quick Turn 100 with Mazatrol 640 Fusion Control. Year 2005. Swing over bed 548mm. Swing over cross slide 279mm. Max turning lenth 307mm. Max turning dia. 279mm. Spindle speeds to 6000rpm. Spindle bore 60.9mm. Bar capacty. 41.27mm. 12 station turret. Complete with collet chuck. Parts catcher.

DOOSAN S390L 2 Axis CNC Slant Bed Lathe with Fanuc 21i-TB CNC Control. Year 2005. Swing Over Bed 580mm. Maximum turning dia. 390mm. Maximum turned length 750mm. Spindle Speeds 35 –3500rpm. Equipment/Features: 12 Position Turret. 3 Jaw Hydraulic Chuck Tool Setter. Swarf Conveyor with Bin. Coolant. Motor 22kW.

HAAS TM-3CE CNC Vertical Machining Centre with 4th Axis Attachment. Year 2008. Table size 1467mm x 368mm. X Axis travel 1016mm. Y Axis travel 508mm. Z Axis travel 406mm. Max table load 454 kgs. Spindle BT 40. Manual tool change.

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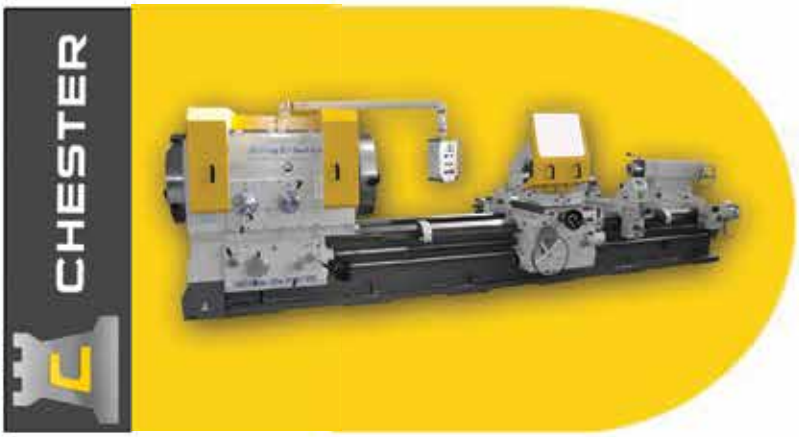

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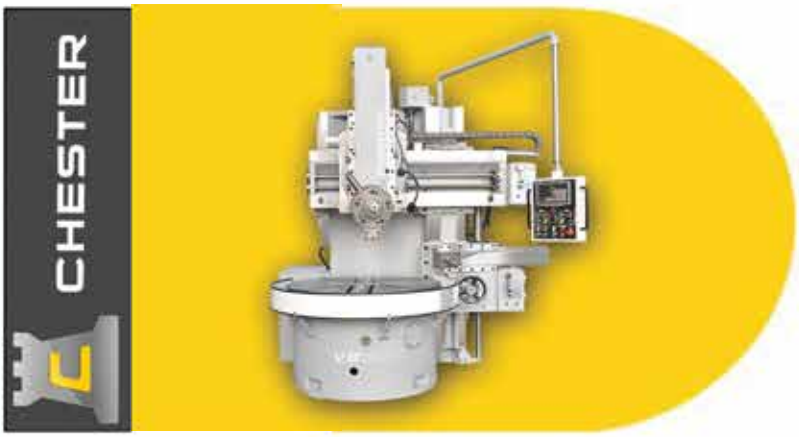

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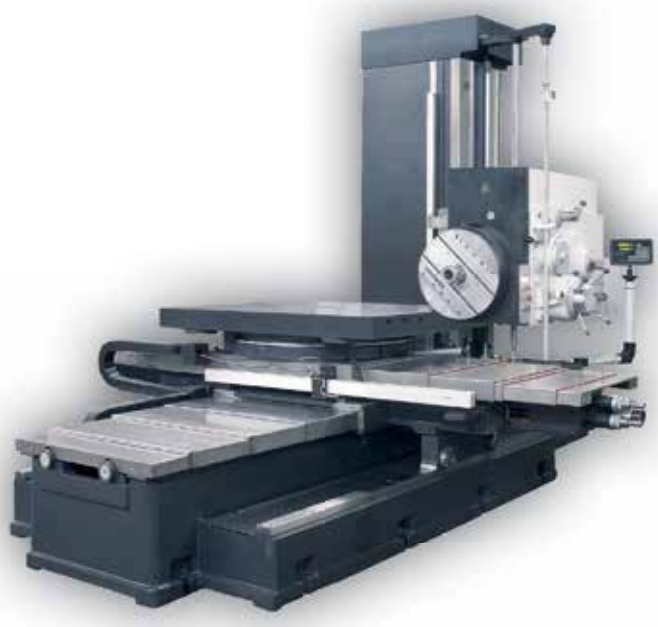

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Used Structural Steel Machinery

Machinery Available from Stock

Ficep 903 DNB – CNC Drilling & Sawing Line – Year 1999 *(STK-1295)*

- 18m In-Feed
- Carriage & Gripper Bar Feed
- 3 Spindle Drilling
- 900mm Bar Width Processing
- Mitre Cut Band Saw
- x36 Station Marking Unit

Ficep P1104P – CNC Plate Punching System – Year 2007 *(STK-1339)*

- 110 Ton Punching Capacity
- 25mm Max Plate Thickness
- 3 Station Tool Magazine
- 46mm Maximum Punch Diameter
- 800mm Max Plate Width
- X Unlimited Length Plate

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-1295	Ficep	903 DNB	1999	CNC Drill/Saw Line (18m/18m) Cross/Transfers	In-Stock	Beams/Sections
USSM-STK-1338	Ficep	Victory 11	2007	CNC Drilling Line (18m)	In-Stock	Beams/Sections
USSM-STK-1339	Ficep	P1104	2007	CNC Plate Punch/Drill Machine	In-Stock	Plates Punch/Drill
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-1293	Ficep	Tipo D8	2004	CNC Plate/Angle Punch & Shear Line	Ex-Site	Plates/Angles
USSM-STK-1329	Gietart	GW 1500	2002	Section Blasting Line	Ex-Site	Beams/Sections
USSM-STK-1301	Kaltenbach	WBZ 1500	1999	CNC Plate Drill/Profile Machine	Ex-Site	Plates Drill/Profile
USSM-STK-1268	Ficep	1004 DZTT	2004	CNC Plasma/Gas Coping Line (18m)	Ex-Site	Beams/Sections
USSM-STK-1283	Ficep	1101 DZB	2005	CNC Drill/Saw Line (18m/16m)	Ex-Site	Beams/Sections
USSM-STK-1330	Ficep	1203 DB	2001	CNC Drill/Saw Line (18m/18m) Cross/Transfers	Ex-Site	Beams/Sections
USSM-STK-1355	Ficep	1003 DZB	2003	CNC Drill/Saw Line (22m/18m) Cross/Transfers	Ex-Site	Beams/Sections
USSM-STK-1356	Ficep	F504 / 8 PS (+Drill)	1999	CNC Plate/Angle Punch & Shear Line	Ex-Site	Plates/Angles
USSM-STK-1357	Geka	Alpha 500 / 150 MC	2013	CNC Plate Punch & Shear Line	Ex-Site	Plates Punch
USSM-STK-1358	Voortman	V630 / Sabi Saw	2003	CNC Drill/Saw Line (18m/18m) Cross/Transfers	Ex-Site	Beams/Sections
USSM-STK-1359	ESAB Suparex	SXE-HD4000	2013	12M X 3M - Hypertherm HPR 130 Plasma	Ex-Site	Plates / Profile
USSM-STK-1360	ESAB Combirex	DX-3500	2007	12M X 3M - Precision Plasmarc 20B.	Ex-Site	Plates / Profile
USSM-STK-1361	ESAB Suparex	SXE-P3500	2007	10M X 2.5M - Hypertherm HPR 260 Plasma	Ex-Site	Plates / 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
USSM-STK-1363	Ficep	Tipo B251	2008	CNC Plate Punch/Plasma/Drill Machine	Ex-Site	Plates Profiling
USSM-STK-1369	Kaltenbach	KF 1501	2002	CNC Plate Plasma / Drill Machine	Ex-Site	Plates Profiling

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August 11th

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Online Auction Date: Thursday 11th August 2016 – 3pm BST
Viewing Dates: Appointment only Please see each lot for details call us for more details: 02476 992205

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- Rhodes VD 275 Guillotine
- Pratt Mechanical Guillotine
- Iemca CS116 Barfeed
- Van Norman No 26 Universal Mill
- Forkardt 3 Jaw 250mm 10" CNC Chuck with jaws
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Powder coating oven, wet & dry back paint spray booths with extraction, Barberan laboratory lacquer curtain coating machine, Wallace Knight laboratory UV oven, flash proof light fittings

Heatjet 70 textiles heat transfer press, 8 no. Bernina 1020 sewing machines

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For further information or an appointment to view please contact Finlo Corrin, finlo@FinloCorrin.com, +44(0)7799 855 554

1502

ON-LINE AUCTION SALE

Due to the Closure of: **Whit-Met Engineering**

By order of the Executors

VIEWING: TUESDAY 9th AUGUST 2016 – by appointment only.

AT: The Works, Unit 7 Brindley Rd, Dodwells Bridge Ind. Est., Hinckley, Leicestershire, LE10 3BY, England.

ON–LINE AUCTION DATE: THURSDAY 11th AUGUST 2016

Sheet Metal / Welding

2x LVD Shape Delta 1250 CNC turret punch, 200KN, MNC32000 control **(1997)**

Mebusa PH123 120 ton hydraulic, upstroking press brake, Autobend 5C control, 3m x 6mm cap, lightguards **(1990)**

Mebusa PA123 120 ton 3m hydraulic, upstroking press brake, Hurco Autobend 5C control **(1987)**

Promecam RG-80-30 press brake with Hurco Autobend 5 control

Mebusa 50 ton 2m hydraulic, upstroking press brake, Hurco Autobend 5C control

Mebusa 30-12-A hydraulic, upstroking press brake, Hurco Autobend 7 control, 30 ton x 1200mm **(1988)**

Asama RG25-12 hydraulic, upstroking press brake, Autobend 6 control, 25 ton x 1200mm

2x Promecam RG-25-12 press brake, 25 ton x 1200mm capacity

Large Qty press brake tooling inc: air tools & Large Qty turret punch tooling

2x Edwards Pearson VR6.5 / 3070 hydraulic guillotine, CE DNC 10 control, front supports, 3mx6.5mm cap **(1999)**

Amada S-1232 guillotine, 1270x3mm capacity, 37 SPM, 5.5kva **(1987)**

Amada SP30 punch, SS System II control & SS/04 feeder, 78mm stroke, 29 ton cap, 290mm daylight **(1983)**

Amada SP30 turret punch, 85mm stroke, 29 ton capacity, 290mm daylight **(1978)**

Kingsland 40XM metal worker

Amada CSHW-220 double notcher **(1986)**

Comaca EHN260 corner notcher **(1988)**

Lincoln Norweld welder, 2 x SIP spot welders & qty welding torches

Large Qty press brake tooling, turret punch tooling etc

7 ton approx stainless steel - 10ft full & half sheets etc

Machine Tools

Jones & Shipman 540P surface grinder

Super Brown Special pull down saw

Pedrazzoli Super Brown 350 pull down saw **(1997)**

Pedrazzoli Mini Brown pull down saw

Morris Flex & Grim Max linishers, small tooling etc

Factory Plant / Miscellaneous

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Tipper truck, Lister diesel engine, Range Rover etc

Lansing Bagnall FOER9 1.SEL electric forklift truck, 3000lbs

Atlas AK3006A lorry Hi-Ab, 3700kg @ 1920mm **(1982)**

40ft metal container, 20ft metal container & vehicle body / store

Hydrovane HV07RS compressor, 10bar max

Azenda 2.2kW compressor on 150ltr air receiver **(1988)**

Rednal 250lt floor mounted air receiver **(2006)**

Various gearboxes, motors, hand tools, tooling, factory equipment, grinding discs, motors, slings / chains, vices etc

Qty security fencing, Lansing forklift truck mast etc

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AUGUST COLLECTIVE ON-LINE AUCTION

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

VIEWING: TUESDAY 9th AUGUST 2016 – by appointment only.

AT: PP Saleroom & other UK Sites.

AUCTION DATE: FRIDAY 12th AUGUST 2016

CNC: XYZ Pro Turn SLX425 CNC lathe, Proto Trak SLX control, 2500rpm, 1250mm b.c. **(2008)**

Huron MU155 CNC milling machine, 8-1200rpm, Heidenhain TNC155 control **(rebuilt 1990)**

Bridgeport Series 1 MD1 CNC turret mill, 3750rpm, Heidenhain TNC131 control

Bridgeport Series 1 / 2 HP milling machine, CNC Crusader II controller, 3750rpm

Machine Tools

Drilling / Boring: Asquith Power Thrust 6PT 23-96 radial arm drill. Morris Mor-Speed radial arm drill. Scharmann FB 525 horizontal borer. Plauwert & Wetzel BNF 80 horizontal borer.

Grinding / Milling / Sawing: Richards Flashlite fettling grinder. Black & Decker 8" d/e grinder

Stanko RP11 universal milling machine. Anayak vertical milling machine

Chen Ho CHV1500 turret mill **(1992)**

Bridgeport turret mill. Pedrazzoli Brown 250 pull down saw. Leten LHM280 power hacksaw. Tyro R02.15LAB cutting panel saw **(2004)**

Turning: Dean Smith & Grace Type 30 centre lathe. Colchester Triumph 200 centre lathe. Yamazaki Mazak MkII centre lathe. Ward 7 capstan lathe. Britan repetition lathe. Dowding & Doll peg board capstan lathe.

Qty Small Tooling inc: reamers, drills, end mills, taps, dies, tips, chucks, drill chucks, sleeves, turning tools, tapping heads, boring heads, vices, rotary tables, dividing heads etc

Pressing / Sheet Metal / Welding: Lauffer RPM250 hydraulic press, 250ton **(Rebuilt - Rhodes 2004)**

Hare AL630 pneumatic press **(2002)**

5x Norton, Sweeney & Blocksidge etc flypresses, manual presses etc

Bronx 50-25UH pressbrake. Meritus projection welder, 12" throat. 2x Sciaky D11061M projection welders, 12" throat. Star Kamanchi Cutta70 plasma cutter. Migatronic MIG445 & Migatronic Pilot 1500H mig welders. Oxford RT 180, Cytringan & Triangle 'Oil 120' arc welders. Merlyn Butters 350 mig welder. Astonarc 180 welder / charger. 2x Ridgid 300 powered pipe threaders ***(1x boxed & unused)***. George Fisher pipe threader.

Furnaces / Ovens / Shotblast: 2x Hedin electric heat treatments furnace, 900degC max temp, 1750x2700x800mm ID (1 with cooling table). Furnace Engineering Loading Cart **(1991)**

Chatburn Chantry FSM F9342 oven, 2000x2900x1000mm ID, 760degC max temp **(1997)**

Doug Booth HK15/20 shot blast, 1500mm dia x 2000mm work area **(2002 - refurbished 2008)**

Factory Plant / Miscellaneous: 5x RR Robotica Path 5 Robotic assembly cells **(to 2009)**. Harrington 20kva generator in acoustic enclosure **(2003)**. Lansing Linde E20P electric FLT **(1998)**. Still EGU-16 electric pedestrian lift truck **(1997)**. Omega 4203/ SP attrition unit **(2014)**. Integrated Sands Systems screw mixer. Baldwin & Francis 11kv switchgear panel **(2007)**. Avery digital platform scales. 3x Hi-Tech 021570 s/s fume extraction unit **(2001)**. Lobo Systems 3 step mobile safety steps. Dopag MicroMix twin mixing station **(2009)**. Brit 2000kg pallet truck. Dravo gas factory heater. Vickers PBA 6111 wire machine. Stafford key type safe. Avery 3205 CLE platform scales. Qty factory / maintenance spares / consumables inc: ladders, bearings, screws, safety footwear, tubing, motors, fans, butterfly valves, cylinders, magnetic pickups, lighting etc etc ***(mainly packaged & unused)***

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SPECTACULAR OFFERING – LA

Gantry Type CNC Mills: (2) (2007) Cincinnati Mdl. U5-1500 Rail Type • **CNC Horizontal Boring Mills:** (2) (2013 & 2007) Giddings & L
Centers: (2) (2007 & 2005) Giddings & Lewis Mdl. VTC1600 • **CNC Horizontal Machining Centers:** (2009) Toyoda Mdl. FA1050, (2
42" • **CNC Keyseater:** (2012) Leistritz Mdl. Polymat 70/600 • **Lathes:** Leblond Mdl. 3220-25 Heavy Duty • **CNC Press Brake:** (1995) A
Capacity • **Saw:** HEM Mdl. VT120HM Horizontal • **CNC Burning System:** (2009) Koike Aronson Mdl. MGM2500 Mastergraph Milleniu
Welding Manipulator: Ransome • **Shot Blast System:** (Approximately 2005) Blastec 8-Head, with Dust Collector • **Paint Booth:** Col-
(2) Beavermatic Quench Furnaces 8,000 LBS Capcity, Mdl's: 88-38-101QF; 88-601.G.1.Q.F, (3) Bevermatic Tempering Furnaces 8,000
• **Overhead Bridge Cranes:** (8) Assorted Sizes up to 10-Ton, most 50' Span • Mobile Deck Crane: (2015) Shuttle Lift Manitowoc Co. M
• **Air Compressors:** Sullair Mdl. 32/25-600WC 600-HP, Sullair Mld. TS-32 600-HP, Parket Airtek Air Dryers – 6,000 SCFM • Also Includ

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Lewis Mdl. PT1800 6.1" Plain Table, (2012) Giddings & Lewis Mdl. MC1600 6.1" • **CNC Vertical Adjustable Rail CNC Vertical Turning** 001) Giddings & Lewis Mdl. HMC290 Dual Pallet, Cincinnati Milacron Mdl. Magnum 800H • **Vertical Turret Lathe:** Bullard Cutmaster Accurpress Mdl. 750014 14' x 500-Ton • **Press:** Rodgers Mdl. SY100-14-1000 100- Ton Hydraulic Vertical • **Bulldozer:** Elmes 100-Ton m Series, (1996) ESAB Mdl. Avenger 2-4M, (2000) Messer Mdl. SM1006 • **Welding Positioner:** Lufkin Approx. 100,000 LBS. 3-Axis • -Met Mdl. CP480-3P-10-2F • **Furnaces:** (2) Beavermatic Carburizing Furnaces, 15,000 LBS Capacity Mld's: 48-54-961010P; 48-54-96, LBS Capacity Mdl's: 88-38-GIT; 48x48x60, Also Including Beavermatic Transfer Cart, Beavermatic Wash System, Beavermatic Freezer Mdl. 5520 20-Ton Capcity • **Forklift Trucks:** Quantity of Forklifts including Caterpillar, Toyota, Hyster, TCM – up to 10,000 LBS Capacity ding Rotary Tables up to 48", Tooling, Large Quantity of Welders, • 72" x 112" Pallet Upender, Landis Pipe Threader • **Plus Much More!**

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Online Auction Sale

Bystronic Byspeed 3015 4440W CNC Laser Cutting System

Cottrill & Co. WORLDWIDE ASSET DISPOSALS

Bidding Ends: Wednesday 24th August 2016 at 3.00pm (UK Time)
Viewing by Appointment only

- **Bystronic** Byspeed 3015 4400W CNC Laser Cutting System (2006)

with Cooling Unit and Dust Collector.
Sheet Size: 1500 x 3000mm,
Laser Power: 4400W, Max. Cutting Thickness: Steel – 25mm,
Stainless Steel – 20mm,
Aluminium – 12mm,
Machine Dimensions: 13,400 x 5,300 x 2,150mm (h), Weight: 20,000kgs

This machine has been serviced twice yearly by Bystronic Service Contract

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Online Auction Sale

Conventional Equipment, Ancillaries and Tooling no longer required by CMP & Others

Cottrill & Co. WORLDWIDE ASSET DISPOSALS

Bidding Ends: Tuesday 23rd August 2016 at 3.00pm (UK Time) Viewing by Appointment only

- **Boko** F30 Milling Machine
- **Tarnow** Gap Bed Centre Lathe
- **Smart & Brown** Centre Lathe
- **Britan** Capstan Lathe with Barfeed
- **Astra** Model TCS-610 Tool & Cutter Grinder
- **Myford** HA Plain Cylindrical Grinder
- **Delapena** Speed Hone
- **HME** Inclinable 30-Ton, Adjustable Stroke Power Press
- **OPTI** DBS 75 75mm wide Belt Linisher
- **Sealey** Bead Blast Cabinet
- **Semco** Turret Mill
- **Oldak** Tapping Machine
- **AJH** 6" Bench Linisher
- **Milford** 10" D/Ended Grinder
- **Gate Milford** 300 D/Ended Grinder
- Mechanical Hacksaw
- **Draper** 6'' Bench Mounted D/Ended Grinder
- **Astra** Type IMM118 Bench Drill
- **Ferranti** Surfcom Surface Tester
- Qty BT 40, CAT 40 & BT 30 Tooling
- Qty Machine Vices, Collet Chucks, Collets, Boring Heads, Drills, Clamps, Chucks, Taps.
- **Ingersoll Rand** Type 30, Model 15T Triple Cylinder Air Compressor/Receiver
- **Cyclon** 105 Compair Compressor, Air Cylinder & Model DB10 Dryer
- **Clarke** Ranger Compressor
- **Airmaster** Compressor
- **Walker** Model 230 MFD Air Filtration Unit
- **SIP** 140 Arc Welder
- **Sealey** Mighty Mig 130XT MK11 Turbo, 240V
- **Murex** 230 Mig Welder
- Plus many more items

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Online Auction Sale

Riello Model VFX 300-6/4-0/-V Vertiflex Transfer Machine

Cottrill & Co.
WORLDWIDE ASSET DISPOSALS

Bidding Ends: Tuesday 20th September 2016 at 3.00pm (UK Time)

Viewing by Appointment only with the Auctioneer

- **Riello Model VFX 300 – 6/4 – 0/ - V Vertiflex Transfer Machine**

with Rotary Table,
(6) Stations,
(5) Multi Heads with (6) Tools per Head,
(1) Work Station,
(2) Setting Stations,
Chiller,
Swarf Conveyor,
Coolant Management System
and Qty Tooling

Located in Birmingham, United Kingdom

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Online Auction Sale

2 and 3 Cylinder Motor Cycle CNC Crankshaft Line no longer required by Triumph Motorcycles due to new investment

Cottrill & Co.
WORLDWIDE ASSET DISPOSALS

Bidding Ends: Wednesday 28th September 2016 at 3.00pm (UK Time)

Viewing by Appointment only with the Auctioneer

Offers for the whole line will be considered prior to the auction

Currently in production until end of September 2016, comprising seven excellent machines:

- 2 off **Ernault Toyoda** Type 32 CNC Crankshaft Turning Lathes with Fanuc 15 T Control, 320mm Swing x 671mm Centers, 260mm Turning dia, 5,000rpm, 8" SMW Autoblock 3-Jaw Chuck, 12-Station VDI Turret & Tailstock, Swarf Conveyor and Coolant (1989 & 1990)
- **Heller** RFK200/800/1 CNC Internal Crankshaft Milling Machine with Heller Unipro NC80R Control, 200mm dia x 800mm capacity, 2 sets Bohlerit Internal Cutters, Coolant and Swarf Conveyor (for milling of crankshaft pins and mains) (1990)
- **TBT Tiefbohrtechnik** BW200-1 CNC 7-Axis Deep Hole Drilling Machine with Siemens 840D Control, Single Spindle, Single Lip Deep Hole Drilling with 1000mm Stroke (W-Axis), Max Depth: 900mm, Min dia: 2mm, Max dia: 12mm, Rapid Traverse: 15 m/min, Feed Traverse: 10m/min, Rotary Table (C-Axis), 800 x 600mm with Tilting (B-Axis) & Swivelling (A-Axis) (used for crankshaft oil hole drilling) (2000)
- **Toyoda** 60M GP72-63 CNC Straight Approach Cylindrical Grinder with Toyoda Toyopuc Control, 320mm dia x 500mm capacity, Marposs E39 auto sizing for lateral location, Marposs E78 Wheel Balancing, Diamond Roll Auto Wheel Dressing, CNK Coolant Clarifier (used for grinding of crankshaft mains bearing) (1990)
- **Toyoda** G32N-50N CNC Angle Approach Cylindrical Grinder with Toyoda Toyopuc Control, 320mm dia x 500mm capacity, Toyoda Auto Lateral Locator, Auto Wheel Dressing, CNK Coolant Clarifier (used for taper grinding crankshaft spigot/spline end) (1990)
- **Toyoda** GLA4-50M CNC Angle Approach Cylindrical Grinder with Toyoda GC32V Control, 320mm dia x 500mm capacity, Auto Lateral Locator, Auto Wheel Dressing, Losma Coolant Clarifier (used for grinding crankshaft taper end) (1998)

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LIQUIDATION SALE

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INDIVIDUAL PRESSES, TANDEM & TRANSFER PRESS LINES FOR SALE

SCHULER TRANSFER PRESSES: 2.200 TO 6.200 TON
TANDEM LINES: 400T - 500T- 600T - 1000 TON
CUT-TO-LENGTH LINES
BLANKING LINES

DUE TO THE CLOSURE OF Ford GENK VEHICLE OPERAIONS

TRANSFER PRESSES

• **6.200 Ton**, CROSS BAR TRANSFER PRESS LINE
"MUELLER WEINGARTEN" S-6200.06.230;

• **3.200 Ton** TRI-AXIS TRANSFER PRESS LINE
"SCHULER" TBS 3-3200-6-1828-8;

• **2.200 Ton** TRI-AXIS TRANSFER PRESSES LINES
"SCHULER" TBS 2200-6-1200;

• **2.200 Ton** TRI-AXIS TRANSFER PRESSES LINES
"SCHULER" TBS 2200-6-1200;

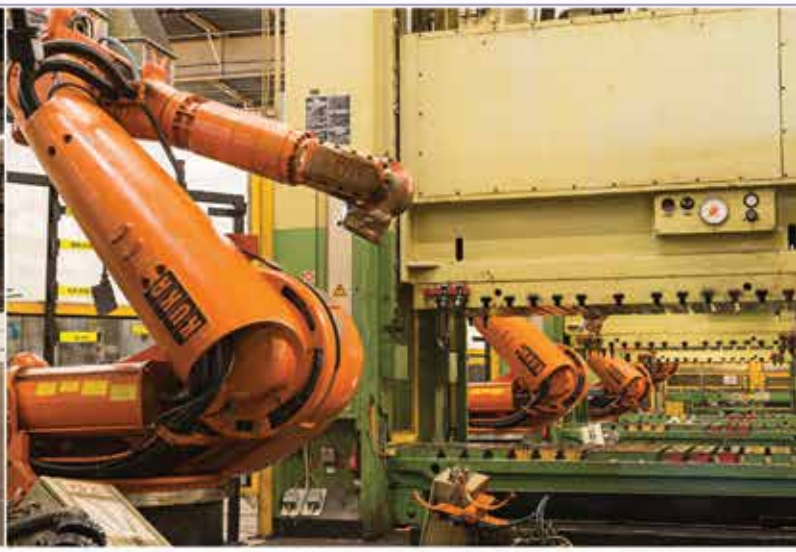
TANDEM PRESS LINES

• (13) TANDEM PRESS LINES TO BE SOLD AS LINES OR (72) SINGLE PRESSES •

• **1.000 Ton** Tandem Press Line "WEINGARTEN/KRUPP"; Bed 4.500 x 2.400 mm; Siemens S-7 Press Control;
Olafström Automation: * 1600 Ton Double Action Press WEINGARTEN ZS 1600.48
* (4) 1.000 Ton Single Action Presses KRUPP PDqV4-1000

• **500 Ton Tandem Press Line "SCHULER"; Bed 2.700 x 1.500 mm; with Siemens S-7 Press Control.**
• 900 Ton Double Action Press SCHULER PZKnbs 900/2,8/0,75
• (4) 500 Ton Single Action Presses SCHULER P2E2Sqs 500/3,1/0,5

• **500 Ton Tandem Press Line "RASKIN"; Bed 2.800 x 1.300 mm; with Siemens S-7 Press Control.**
• (7) Single Action Presses RASKIN Sphinx 5028.AE.2



(2) 400 Ton Tandem Press Line "SCHULER"; Bed 2.650 x 1.000 mm; with Siemens S-7 Press Controls
• 700 Ton Double Action Press SCHULER PZKnbs 700/2,8/0,6 • (3) 400 Ton Single Action Presses SCHULER P2E2Sqs/400/2,6/0,4
• (4) 400 Ton Single Action Presses RASKIN Sphinx 4025.AE.2

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"WEINGARTEN/SCHLEICHER/RASKIN/ASM" Blanking Line, Cap. 1300 x 0,6-2,0 mm. Siemens S-7 Coilweight 25 Ton; Coilcar, Decoiler, Coil Opener and Feeder, Cropping Shear, Looping Pit, Straightener, Roll Feeder, 400 Ton "Raskin" Blanking Press, bed 3300 x 1800 mm;

"WEINGARTEN/RASKIN" Blanking Line, Cap. 1.300 x 0,6 - 2,0 mm; with Siemens S-7 PLC. Coilweight 25 Ton; Coilcar, Decoiler, Coil Opener and Feeder, Looping Pit, Straightener, 400 Ton "Raskin" Blanking Press; Bed 3300 x 1800 mm

• (2) SCHULER DIE PRESSES •

7-STATION 2000 Ton DIE PRESSES;
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Bed 3.400 x 1.000mm

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Andrzej Bodziachowski

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5 AXIS

CNC Horizontal Machining Center
AB MARWIN AUTOMAX II
2-pallet, 5-axis
Year of production: 2001
CNC FANUC 150iM
X: 3 400 mm
Y: 1 350 mm
Z: 760 mm
A,B: +/- 45°

~~99 000 EUR~~ **75 000 EUR**

5 AXIS

CNC Vertical Machining Center
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°

4 AXIS

CNC Vertical Machining Center
FEELER FV 1200 A
index head
Year of production: 1997
CNC FANUC 0-M
X: 1 200 mm
Y: 565 mm
Z: 655 mm

CNC Vertical Machining Center
DMG DMU 60 T
Year of production: 2001
CNC HEIDENHAIN TNC 426
X: 630 mm
Y: 560 mm
Z: 560 mm

~~38 900 EUR~~ **33 000 EUR**

NEW IN STOCK

CNC Slant Bed Lathe
SAMSUNG PL 35MC/1500
Year of production: 2012
CNC FANUC 0I-TD
Swing over bed: 680 mm
Distance between columns: 1500 mm
Bore diameter: 91 mm
Spindle speeds: 2500 rpm

CNC Vertical Lathe
TOS SKJ 10 PFS 4
CNC FAGOR
Max detail diameter: 1 150 mm
Max detail height: 900 mm

CNC Vertical Lathe
OKUMA LVT 300-M
driven tools, workpiece pick up-feeder
Year of production: 2007
CNC OKUMA OSP P200L
Max turning diameter: 280 mm
Turning length: 150 mm

~~87 000 EUR~~ **74 000 EUR**

Universal Lathe
ECHEA B 800
tailstock, steady rest, ocular, digital read in 2 axes Heidenhain
Turning diameter over bed: 1 650 mm
Turning length: 5 700 mm

~~45 000 EUR~~ **36 000 EUR**

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Sales Department

CNC Boring Machine
WOTAN B 120 MNC CUTMAX 20
angle head, vertical head, swarf conveyor
Year of production: 1992
CNC SIEMENS 840 C
X: 1 800 mm
Y: 1 700 mm
Z: 600 mm
W: 1 500 mm, B: 360°

~~65 000 EUR~~ **49 000 EUR**

CNC Vertical Lathe
DOOSAN i330
CNC FANUC 18 iT
Turning diameter over bed: 400 mm
Max turning diameter: 330 mm
Turning length: 250 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

~~52 000 EUR~~ **39 000 EUR**

CNC Bending Center
SALVAGNINI PERFORMER
Year of production: 2007
CNC
Max sheet thickness: 2 mm
Max dimensions of sheet metal: 2 000 x 1 524 mm

Heavy Bending Rolls
SERTOM 1-EMO 30/15
3-rolls
Year of production: 2000
PLC SERTOM
Bending length: 3 000 mm
Max sheet thickness: 15 mm

~~55 000 EUR~~ **42 000 EUR**

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

Portal Bevelling Robot
IGM iBS
2 tables
Year of production: 2002
Table: 2 x 4 400 x 2 400 mm
Distance between columns: 3 180 mm

CNC Surface Grinding Machine
JONES & SHIPMAN PROGRIND 1042 X
Year of production: 2002
GOODWIN
Table: 1 000 x 500 mm

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