



The voice of steel distribution

News Update

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Special MACH 2014 Edition

**NASS Associate Members to exhibit at:
MACH 2014, 7-11 APRIL, NEC, BIRMINGHAM**



FICEP UK - Hall 4, Stand 4730

FICEP will be demonstrating two of their latest, high productivity machines from its extensive range of CNC machines at MACH 2014

Gemini HD - is now recognized as the world's most technologically advanced, multi-function and flexible system for profile cutting, drilling, machining and scribing with plasma bevelling and an advanced material cutting capability. Over 150 machines have been installed worldwide and now the latest HD machine, which features a plasma bevelling head, joins the Gemini range.



It's the most technologically advanced, small footprint CNC machining system for the profile cutting, drilling, bevelling, machining and scribing of parts from plate, from 5mm up to 120mm thick with cutting lengths from 6 to 30 metres - in just one set-up. The new compact bevelling head is now 25% lighter than similar machines and has internal kinematic making it even faster and more flexible. The scribing system can also significantly reduce fabrication time and manpower requirements.

Gemini can produce complex machined flat parts far more economically but with the same or greater accuracy than using much more expensive, separate cutting and labour-intensive machining centres.

The Gemini HD is now the complete solution for plate working for small to medium sized fabricators and OEM's of all sizes looking to improve productivity and quality with a reduction in production times and manpower costs.

ERNST Deburring Machines - FICEP UK has recently been appointed exclusive agents for the ERNST range of deburring machines. These are up to 7 times more productive and cost-effective than old fashioned grinding methods for deburring, edge rounding and de-oxidating plate components.

The machines can also compensate for surface height variations of up to 6mm and abrasive brush rollers are available for edge rounding to comply with fabrication standards EN1090 -2.

When compared to manual deburring, the Ernst range of machines offer users a faster payback, higher productivity, lower



labour costs with reduced abrasive consumption - giving users that all important competitive edge.

To find out the full facts on how these remarkable and innovative machines can offer users a faster payback, higher productivity and lower production costs, visit the FICEP Stand No. 4730, Hall 4, to see them in action.

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KASTO – Hall 4, Stand 4518

KASTO workshop range of sawing machines to feature prominently

Manufacture of multi-level warehouses for storing and retrieving bar, tube, sheet and other material automatically, and production of an extensive range of sawing machines for cutting material accurately, are the two specialisms of the German firm, KASTO, whose UK subsidiary will be exhibiting at MACH 2014. The group, which has recently entered its sixth generation of family ownership and management, is celebrating its 170th anniversary this year.

Better known for its high performance sawing products, the company has been actively promoting its workshop / dealer range of machines for the past year. The programme comprises smaller bandsaws, circular saws and hacksaws and MACH 2014 will be the first time that all three ranges will have been shown at a national exhibition. Aimed at jobbing shops, they are designed alongside the company's high-end sawing machines and are manufactured at the company's factory in Schalkau/Thuringen.

The saws range from pull-down models priced at a couple of thousand pounds to automatic machines costing ten times more. During 2013, marketed under the slogan 'quality for all budgets' and supported by a new website www.kasto.uk.com, they accounted for 35 per cent of sawing machine sales by value in the UK, up from 20 per cent the previous year.

The three models on display will be the KASTO*functional* U bandsaw with length stop arrangement, the KASTO*radial* M6 circular pull-down saw, and the KASTO*hbs1* power hacksaw.

KASTO*functional* U

The KASTO*functional* pivot-type bandsawing machine with hydraulic infeed is available in manual, semi-automatic and fully-automatic versions, with suffixes M, U and A respectively. The semi-automatic machine will be on the stand at MACH.

It is of solid construction with a robust, torsion-free welded base for rigorous use in workshops, capable of cutting material up to 260 mm round / square. Mitre-cutting to the left at up to 45 degrees and to the right at up to 60 degrees can be performed on tube, section and solid material. The mitre angle can be adjusted without having to alter the material position to achieve the correct cut length.

Precise ballscrew drive ensures exact positioning of the stock prior to cutting. The hydraulically actuated, horizontal clamping vice ensures accurate sawing to length without slippage and also allows short rest pieces, minimising material wastage. Cutting speed is infinitely adjustable from 20 to 110 m/min to suit any type of metal, even tough varieties. The BasicControl with swivelling operator's panel ensures optimum machine operation via function keys. Up to 98 programs can be preselected.



KASTOradial M6

KASTOradial is a family of cold circular saws including four manual, pull-down versions designated M4, M6, M7 and M10 and two semi-automatic models, U7 and U10.

With two cutting speeds for universal use in workshops, the KASTOradial M6 is ideal for straight cuts and mitre cutting on both sides within 45 degrees. A double vice with quick clamping lever provides security for holding bar stock. A 315 mm diameter HSS saw blade, length measuring stop and recirculating coolant system are standard equipment.

KASTOhbs1

For around half the price of a workshop range bandsaw, the KASTOhbs1 power hacksaw provides an economical alternative facility for cutting. Used widely in workshops, including on ships, the design is popular for jobbing applications on a variety of metals where space is limited, performance is of secondary importance and small volumes of cut pieces are involved.

The KASTOhbs 1 is a hydraulic, semi-automatic model with two cutting speeds in a pushing, arched cutting motion invented by a KASTO in 1947. Cutting pressure is infinitely adjustable. Requiring minimal floor space, the machine is designed for light to medium workshop use and is ideal for cutting profiles, beams and solids. Mitre cutting from 0 to 45 degrees extends the machine's versatility.

KASTOtec AC4 KPC

There will be demonstrations of a high-performance, 430 mm-capacity KASTOtec AC4 KPC bandsaw cutting 200 mm diameter, 316 stainless steel in 3.8 minutes using a coated carbide blade running at 70 m/min. The emphasis will be on the measures that have been taken to manage and minimise vibration, which leads to higher band speeds and feeds, increased production output, lower noise levels, better accuracy and surface finish, and longer blade life.

Bandsawing productivity has increased by 300 to 400 per cent with KASTOtec bandsaws that have been factory-fitted with KPC (KASTO Performance Cutting) technology. It takes a holistic view of all aspects of the bandsawing process including blade guidance and monitoring, cutting parameters for the material, machine construction, coolant delivery, the control system and blade selection.



KASTOtec AC-series machines feature a steel / mineral cast composite construction that is six to

eight times more vibration-absorbing than cast iron. The machine has a powerful main drive through a rigid, play-free, spur bevel gear delivering 98 per cent of the available power directly to the drive wheels.

High precision cuts are a result of having blade guides as close as possible to the stock on both sides and maintenance-free linear guides for the hydraulic infeed. Together with feedback of cutting force, blade speed and position, they provide consistent feed per tooth, irrespective of the ambient temperature.

Overlaid on this already high specification is the new KPC package, which KASTO has developed to improve cutting productivity still further. The focus has been on minimising vibration during cutting. Key steps taken include new blade guidance on both sides of the

cutting area (patent pending) and a novel measure to dampen vibrations using a so-called 'Trumguide' system.

Central to the step-change in performance, it is a simple yet effective device. Two spring-loaded tensioner guides are mounted at the returning side of the blade, inside the top of the saw head guarding at either end. These guides have the effect of suppressing vibration on the side opposite to the cutting action.

KASTOunitower C

A KASTOunitower C storage tower for sheet metal will occupy a large area of the stand. The space-saving tower stores 3 metre by 1.5 metre sheets, plates, flat products and other materials such as bar, tube, boxes and semi-finished goods in a compact footprint. It offers many advantages compared to conventional storage on shelves, cantilever arms or on the floor.



The tower is especially suitable for job shops, machine shops and small to medium size sheet metal processing facilities, providing flexible storage to a height of up to 7.2 metres. It has a compact footprint of 3,415 x 4,350 mm and the standard version has a storage location every 47 mm.

The pallets holding the sheet metal glide on almost wear-free, plastic-lined tracks when pushed into or pulled out of a storage location within the steel structure. A lift mechanism travelling at the front of the tower effects horizontal transfer of the material as well as traversing vertically between locations at up to 8 m/min.

Depending on design, pallets can support a maximum load of either 1,200 kg or 3,000 kg. The height of the loading / unloading station is adjustable,

allowing direct transfer to a sheet metal processing machine or transport cart. This raises production efficiency, improves safety, saves labour and minimises the risk of damaging the material.

Versions of the KASTOunitower C are available for semi-automatic or fully automatic operation, with appropriate safety measures. The tower is controlled by KASTO's own *BasicControl*, which is fitted with a user-friendly touch panel.

170th anniversary

To coincide with its 170th anniversary, the KASTO group will unveil a revolutionary new product range on 7th May 2014 during an open house, called FutureDays, to be held at its headquarters and main factory in Achern, southern Germany. The company is saying little about its new product before the launch, but the implications are that it represents a major step forward in bandsawing technology and in the company's manufacturing process.

On 18th, 19th and 20th June, the Milton Keynes subsidiary will hold open days at its showroom and technical centre. The new machine will be on show again, along with many other bandsaws, circular saws and hacksaws from the manufacturer's wide range of products. Automated warehousing of bar, tube, profile and flat material will also be demonstrated.

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KALTENBACH

Kaltenbach – Hall 4, Stand 4630

Kaltenbach saws to make UK debut at MACH 2014

Kaltenbach Ltd will be demonstrating a selection of machines at Mach, from both their Circular and Bandsawing model ranges, including two saws to be shown for the first time in the UK.



From Kaltenbach's hugely successful Mitre Bandsaw series, the KBS400 DG-NA (pictured) is a compact, bi-directional mitring machine, suitable for use in cutting sections and profiles up to 400mm wide x 350mm high. The DG-NA model includes a fully automatic material feed unit for the reliable batch production of a wide variety of straight and mitred pieces. Available also as a semi-automatic model, the machine offers excellent

performance and accuracy, with assured Kaltenbach reliability.

The Kaltenbach KKS451NA will also be making its first appearance at the show. This is a fully automatic up-stroking circular saw for straight and mitre cutting materials up to 150mm diameter. The machine has an automatic 2,000mm stroke infeed gripper for increased capability when cutting both long and short pieces within a single feed stroke. The KKS451NA can be supplied with a range of material infeed options, including Flat and Inclined magazines.



Other examples from the Kaltenbach range will include Circular Saws for cutting Ferrous and Non-Ferrous materials, suitable for use in a wide variety of industries and applications, from general engineering through to Aerospace.

Experts will also be on hand to discuss Kaltenbach's innovative Technical Services and wide portfolio of equipment for Sawing, Drilling, Plate Processing, Coping, Punching, Shearing, Shotblasting and Painting.

www.kaltenbach.com

Forthcoming Events

Please see below for a list of forthcoming NASS Events. Full details of each event are available on the NASS website, though if you have any questions or would like to book places at any, please contact Karen Black or Joy Graham at NASS who will be happy to assist you.

04-Mar	Plate & Processing Meeting, plus Producer Liaison
05-Mar	Long Products Meeting, plus Tata Liaison
06-Mar	Flat Products Meeting, plus Producer Liaison
09-Apr	Metallurgy for Non Metallurgists Course
10-Apr	National Council, & Credit Associates Liaison
16-Apr	ISTA Liaison (London venue)
22 & 23 Apr	Health & Safety Passport Plus Course
28-Apr	Executive Forum
7 & 8 May	Essentials for Inside Sales Course
14-May	Credit Seminar, NMC, West Bromwich
21-May	NASS H&S Committee
03-Jun	Plate & Processing Meeting
04-Jun	Long Products Meeting, plus Producer Liaison
05-Jun	NASS Golf Day, Breadsall Priory
10-Jun	Flat Products Meeting, plus Tata Strip Liaison
11-Jun	NASS Safety & Health Awareness Day (SHAD)
03-Jul	Scunthorpe Mill Visit
11-Jul	National Council, plus AGM
31-Jul	NASS Race Day, Stratford upon Avon
02-Sep	Plate & Processing Meeting, plus Producer Liaison
03-Sep	Long Products Meeting, plus Tata Liaison
04-Sep	Flat Products Meeting, plus Producer Liaison
17-Sep	NASS H&S Committee, plus SSLAP
23-Sep	ISTA Liaison (NASS Office)
25-Sep	NASS Logistics Day
09-Oct	National Council, & Credit Associates Liaison
09-Oct	NASS Annual Dinner, National Motorcycle Museum
05-Oct	NEASS/NASS Liaison, Wakefield
10-Nov	Executive Forum
19-Nov	NASS H&S Committee
25-Nov	Plate & Processing Meeting
26-Nov	Long Products Meeting, plus Producer Liaison
27-Nov	Flat Products Meeting, plus Tata Strip Liaison