

New motor for prep tool

A heavy-duty I.D. clamping pipe milling end prep tool is now offered with an electric motor for performing heavy-wall preps at metal fabrication shops or on-site.

Available from ESCO Tool, the Prepzilla MILLHOG Electric I.D. Clamping End Prep Tool features robust construction with dual-opposed tapered roller bearings, direct-drive gears, a rigid blade lock system, and TiN coated T-15 tool steel cutter blades. It is offered with an 1800W motor that operates on 110/230VAC; it needs only one mandrel and eight sets of clamps for pipe from 40mm I.D. to 220mm O.D.

Tel: +1-(781) 237-5860



Shrink-fit tool holder

New from SGS Carbide Tool (UK), the MST Corporation Slimline Z-Chuck is a shrink-fit tool holder that is said to offer a number of benefits when applied to difficult-to-machine materials, or when using aggressive cutting strategies.

The tool holder incorporates two independent features that eliminate the risk of the cutting tool pulling out of the holder due to chatter or sudden loads and also any rotational slipping of the cutter in the holder.

As well as health and safety concerns, there is the potential of having to scrap the workpiece if the tool pulls out of the holder. EU MD, Alan Pearce, states: "The Slimline Z-Chuck removes these anxieties. Using the Z Shank standards, the new holder is said to have twice the gripping strength of existing shrink-fit holders."

Tel: 01189 795200



Core-drilling specialist FEIN has revamped three of its KBM magnetic core drills with 50 and 65mm diameters.

In the process, it has undertaken a number of product improvements, including a centrally positioned drill motor cable guide with swivel-mounted cable hose, a 30mm longer and reinforced drill motor guide for greater precision, an intuitive control panel in the user's direct line

Revamp for core drills

of sight and an extra-large stroke range. The tools have a low weight for their performance class.

Simple to operate, the new magnetic core drills, KBM 50 Q, KBM 50 U and KBM 65 U, were designed to high technical standards, which helps them deliver a long service life in tough conditions.

They are said to meet all the requirements of core drilling in metal: core drilling, twist drilling, countersinking, tapping and reaming. Clockwise/anti-clockwise rotation and electronic speed setting allow the speed to be adapted to any application. A double drill-motor guide is reported to give the tools the largest stroke range on the market.

Tel: 01327 308730

'Indestructible' hammer

Redashe supplies a range of hammers, the handles of which are said to be indestructible.

The Groz Indestructible Handle hammers were tested with more than 36,000 strikes and didn't fail. The handle is made with spring steel bars that run all the way through the handle and which are locked in the hammer head using a steel plate. A special bonding process



ensures that the head does not become loose, while the ergonomically-designed rubber handle reduces vibration and is shock resistant. Redashe says that if the hammer hits an electrical cable, the user is safe from electric shock.

The hammer head is forged from special steel and is induction case hardened to 52 to 56 HRC.

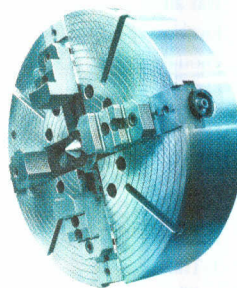
Tel: 01252 785010

High gripping force

Leader Chuck Systems now offers a new high gripping force 4-jaw chuck made by its Polish workholding partner, Bison-Bial.

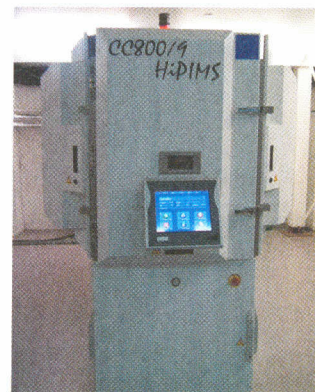
It joins the company's range of 4-jaw independent chucks, made with steel bodies and designed for machining operations requiring high gripping forces, such as the production of large crankshafts and turbine rotors.

A clamping force of over 20,000daN per jaw means large cutting torques at relatively small clamping diameters can be achieved. The steel body is said to ensure a longer lifetime, greater stiffness and resistance to wear, while the four



independent jaws allow for precise centring of both round and rectangular workpieces with maximum gripping forces. T-slots machined in the chuck body permit the use of additional clamps. Installation on the machine tool spindle is direct with the use of a Type A short taper.

Tel: 01827 700000



Coating technology

Hardcoating Technologies offers advanced cutting tool coating technology for drills and milling tools, and has an Cemecon CC800/9 HiPIMS (High Power Impulse Magnetron Sputtering) coating chamber.

HiPulse Hard is its latest coating technology. A second generation Nano-structured 'power nitride' coating, it is said to offer performance benefits when machining extremely hard materials, of 50-plus HRC, and difficult-to-cut materials. These include mould and die tool steels such as P20, Stavax and D2, as well as duplex stainless steel and most heat resistant super alloys.

Tel: 01189 099720

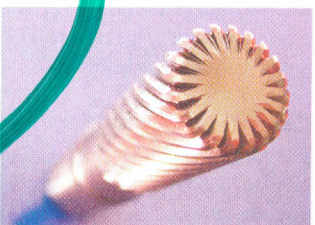
High-rate of metal removal

5ME's 20-flute Cyclo Cut Max-Flute high performance end mills enable machining of internal structures in titanium, inconel and stainless steel components with removal rates of up to 12in³/min at just 45ft lb of torque.

Max-Flute tools use shallow, radial widths of cut, which transfers less heat to the cutting tool. This allows higher surface speeds for roughing titanium, inconel, and other high temperature alloys that have traditionally required high torque at low rpm to achieve desired removal rates.

Mike Grubbs, OEM/MTB account manager, says: "These end mills enable manufacturers with lower power equipment to be competitive in the machining of titanium and other exotic materials."

Tel: 1-585-202-3285



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