



## EMO dates confirmed until 2027

The European Association of the Machine Tool Industry (CECIMO), owner of the brand EMO, has signed an agreement with German machine tool builders' association (VDW) and Fondazione UCIMU, the operating structure of UCIMU-Sistemi per produrre, the association of Italian manufacturers of machine tools, robots, and automation systems, to secure the organisation of the next six EMO trade shows.

The EMO fair will take place as follows:

2017: Hannover; 2019: Hannover; 2021: Milan; 2023: Hannover; 2025: Hannover; and 2027: Milan.

**Tel: +32-2 502 70 90**

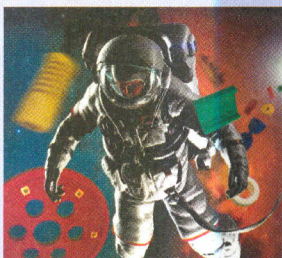
## Custom-designs dose at hand

With the ability to manufacture in any quantity engineering polymer components from raw ingredients and chemicals, Nylacast is able to offer an engineering solution with full traceability.

Nylacast works closely with design engineers and OEMs across many industries, offering assistance in specification, design and testing, material certification and implementation. Its engineers and chemists can recommend or custom-formulate a suitable grade of material for enhanced performance within a particular application.

Benefits claimed for Nylacast polymers include: Exceptional resistance to wear and abrasion, corrosion and chemical resistance, and self lubrication.

**Tel: +44 (0) 116 276 8558**



## Through-hole air chuck

Represented in the UK and Eire by **Leader Chuck Systems**, Autogrip's range of high precision power chucks and rotary cylinders was extended at the 2013 EMO exhibition with the European launch of the AP family of large through-hole 3-jaw power chucks.

Available in through-hole diameters of 52, 66, 86 and 115mm, the range features an integrated pneumatic cylinder which powers the opening and closing of the chuck jaws. This negates the need for a draw bar to provide the jaw clamping force, resulting in a larger through bore capacity for bar feeding raw material.

A pressure detection device



guarantees safe operation up to maximum speeds that extend from 4200 rpm for the AP-52 to 3000 rpm for the AP-115.

**Tel: 01827 700000**

## Enlarged pit furnace

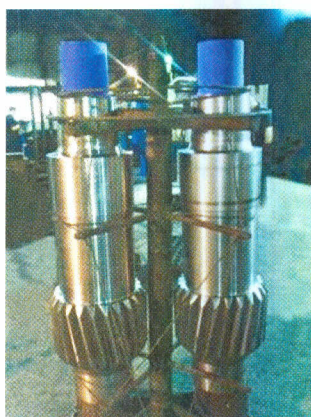
Anticipating growing customer demand for processing larger gears, shafts and other components, sub-contract heat treatment specialist **Keighley Laboratories** has enlarged one of its pit furnaces, increasing dimensions to 1110mm working diameter and almost 1800mm maximum length, in the process gaining 30% in overall capacity.

At the same time, it upgraded the lifting capacity of its overhead crane, which services all seven pit furnaces, a salt bath and tempering equipment, to 3t maximum lift.

Enlarging the No 1 pit furnace involved fabricating a custom-made inner shell or retort, made from

exotic duplex stainless steel, but the investment has already been offset by orders for heat treating 1108mm diameter gear wheels for an offshore application and 1755mm long, 1t shafts for a renewable energy project.

**Tel: 01535 664211**



## Burnout protection

**ESAB Welding & Cutting Products** offers a range of oxygen regulators that have regulator burnout protection.

Oxygen regulator bodies are machined from solid brass bar stock. This provides a thick wall that helps contain a burnout and keeps internal body cavities to a minimum. Small cavities limit the amount of gas that can accumulate in the body and contribute to the seriousness of an oxygen fire. This solid design also contributes to the overall durability of the ESAB regulator.

Massive baffle plates protect the diaphragm and keep it away from the main gas stream. The neoprene diaphragm is not directly exposed to hot gas or fire that could destroy it.

Small bleeder holes in the baffle plate allow the diaphragm to function and respond to demand for greater or lesser amounts of gas supply. The baffle system prevents the fire from reaching the chamber, where the potential for an explosion is the greatest.

**Tel: 0800 389 3152**



## Warranty extended

**Inverter Fusion** has extended to three years the parts and labour warranty it provides with all Fusion Professional MMA and TIG welding machines and electrolytic stainless steel weld cleaning machines.

Fusion machines are lightweight, compact and easily portable and are reported to have excellent duty cycles to reduce downtime. The range includes both 240 and 110V machines. All are powered by plasma technology transformers. These small and light transformers are to give superior performance at reliability compared to traditional wound technology.

**Tel: 01404 549791**



## Roughness tester

Robust and versatile, a new portable roughness tester from **AMETEK Taylor Hobson** has extensive USB connectivity to support a wide range of surface measurement tasks.

For ease of use, the Surtronic S-100 Series includes a large touch-screen and intuitive proprietary software and is suitable for both shop floor and inspection room use.

Versatility features include a 50mm stylus lift with right-angle attachment and a stylus reach of over 70mm. This allows the most challenging surface measurement without the use of riser blocks, stands or fixtures. The stylus can also measure upside down.

Several connectivity choices are provided by the instrument's industry-standard USB and USB mini ports. Roughness measurements for multiple parts can either be stored internally or saved to a standard USB memory device.

**Tel: 0116 276 3771**



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