

CB Ferrari unveils GT series and more

Renowned for its very adaptable multi-axis, high-speed, high accuracy machining solutions CB Ferrari will show for the first time at EMO its new GT1600/2000 machining centres at EMO Hannover (Hall 13, Stand B35).

The GT Series is a high-speed, five-axis machining centre featuring a moving column design with a tilting vertical spindle. This design creates a rigid and compact structure that enables highly efficient roughing and finishing operations to be carried out. A key feature of the machine is the 2000mm x 1500 mm table that incorporates the 750mm diameter rotary table. The two machine series has axis travels of 1600 or 2000 mm in X, 820 mm in Y and 850 mm in Z.

The GT Series has two options for the toolchange with either 30 or 60 tool capacity available; through spindle, filtered, coolant and in process probing available. To aid high-performance metal removal there are also two options of spindle speed and power, both of which are CB Ferrari-built electro-spindle units. The first is a 20,000 revs/min 28kW unit with HSK-A63 spindle nose, the second is a more powerful 16,000 revs/min 33 kW unit with an HSK-A63 connection. Maximum torque is achieved at 4,200 revs/min and 3,000 revs/min respectively. This highly



capable machining package is contained within a footprint of just 5805 mm x 4000 mm.

In addition to its machining centre ranges CB Ferrari is also a leader in the design and manufacture of laser machining systems. To highlight this it will be displaying its three-axis Laser 813 machine from its extensive three- and five-axis Laser Machining range.

For more information, please visit www.iwshltd.com

Guhring To Introduce New Products

In Hall 25 on Stand B60, Guhring will be demonstrating a complete line of extended and new tooling lines aimed at optimising productivity and performance.

In the case of the 104 and 106 systems at EMO 2017, customers will see new insert additions with a range of new diameters, radii and lengths. With regard to the 305 Series, EMO will present an entirely new indexable insert with sintered rake geometry, an increased range of inserts and new clamping holders for sliding heads as well as modular systems.

From a milling perspective, Guhring will be keen to demonstrate its new Ratio® line of roughing end mills. With flat crested geometry and an optimised roughing profile that demonstrates 60% longer service life, the new Ratio® high-performance roughing cutter has several geometry adjustments aimed at providing performance far beyond competitor products. Alongside the Ratio® will be the extremely popular RF100 Diver series of end mills that has also been enhanced for EMO. It will introduce

optimised internal cooling channels and a program expansion for ramp drilling, grooving, rough finishing and finish milling.

EMO will also note the arrival of the new PIONEX, the next generation of taps. This high performance tapping line incorporates a new polygon shape that generates 30% less torque that coincides with a geometric change of the taps.

Industry 4.0 will also be a key focus for Guhring at EMO 2017 and around this subject matter; the German innovator will be introducing enhancements to its software-based tool management.

For more information, please visit www.guhring.co.uk