

TECNO.team UK to launch the new Q Grind Universal at GrindTec 2020



Q-Grind U1000

The new Q Grind Universal performs complex and varied grinding tasks precisely and reliably. It has been designed to produce small to medium size workpieces and is available with a distance between centres of 600 or 1,000 mm and a maximum swing diameter of 450 mm in individual, small batch or high volume production.

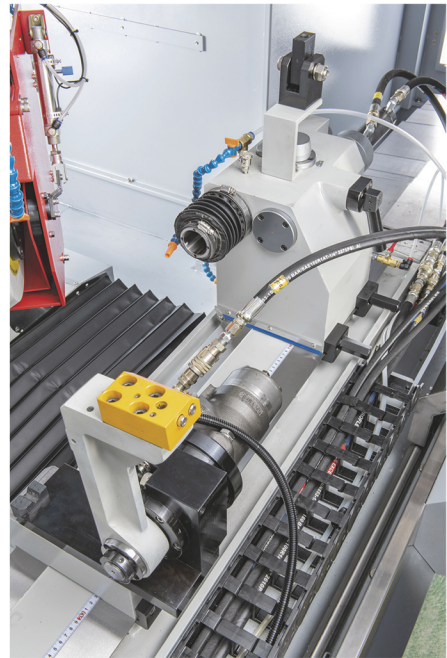


The machine is based on the standard 'T' configuration with the base being formed by a high quality Meehanite casting, designed in such a way to ensure high stiffness and damping properties are inherent in the machine.

The Z-axis slide is a hand scraped Turcite-B coated vee and flat configuration with hydrodynamic lubrication, whereas the X-axis has a fully lubricated recirculating linear guideway with a Heidenhain absolute linear scale. Both axes are directly driven via a precision ground ballscrew by a FANUC digital servomotor, with a positional feedback resolution of 0.0001mm.



The wheel head is equipped with left and right external grinding wheels and an internal belt driven spindle all of which are mounted on a high resolution (0.0001") continuously variable swivelling B-axis, this enables external/ internal and surface grinding operations to be performed efficiently in one setup.



The swing down dressing system, which is freely positioned along the Z-axis table, combined with the Q-Soft operating system software significantly reduces the complexity of setup and changeovers between jobs, equally the operator training requirements are kept to a minimum.

The Q-Soft user-friendly conversational software uses the latest FANUC control and touchscreen to gives all the functionality of a CNC without the complexity. The hydraulic tailstock is operated by a foot switch which allows the operator to use both hands when loading and unloading workpieces

About us

TECNO.team UK has been established to be a frontrunner in supplying the most advanced grinding technology to the UK's engineering and manufacturing industries. With a range of high precision grinding machines from Japan and Europe's elite, together with a strong historical partnership with Curtis Machine Tools, TECNO.team UK is able to offer customers engineered solutions along a broad spectrum of high precision grinding applications, from a single machine to the complete production line.

The UK engineering team, with the support from its Japanese and European principals, provides the highest possible level of expertise, with an award-winning reputation for our ability to provide the most innovative and cost effective turn-key production solutions.

From the showroom and application centre, based in Colchester, Essex, the UK engineering team can offer the design and development of solutions that are precisely tailored to maximise the production output and also satisfy the customer's ancillary requirements. At the concept stage, everything is considered to provide the most efficient process, from pre-process inspection to the final packaging.

With installations within the aerospace, automotive, bearing, cutting tool, defence, hydraulic, motor sport, tool and die industries, TECNO Team is equipped with the necessary in-depth knowledge and technical experience across a broad range of high-tech applications to ensure that customers receive the optimum solution.

The focus centres on productivity gains through process and accuracy optimisation. To achieve this TECNO team UK combines years of grinding and automation experience with its own UK engineers, local partners and a selection of world-leading grinding machine manufacturers.

The brands represented are as follows:



AMADA grinding technology

The world's largest manufacturer of profile and surface grinding machines with grinding performance that delivers outstanding results in terms of productivity and quality, achievable accuracies down to 1µm, and surface finish to Ra 0.02

AMADA will be exhibiting the following machines at GrindTec 2020:-

Meister G3 - Surface and Profile Grinder complete with FANUC robot loading system

GLS - Optical Profile Grinder

Techster - 106 Surface and Profile Grinder



Favretto

Founded at the beginning of the 1930s Favretto specialises in the design and manufacture of grinding machines for flat surfaces, profiles and rotary tables, along with their related services.

Over the years, more than 20,000 machines have been produced. With these numbers, Favretto has always been considered one of the leading Italian manufacturers of grinding machines with the largest variety of products to meet the specific requirements of the user customer.

In April 2017, a new venture began between Favretto Srl and the Rosa GrindTech group with the ambition to continue to grow and

with the aim of giving a new boost to the Italian machine tool sector. This prestigious Italian company has now taken over the activities of Favretto SpA and TECNO team are proud to represent them in the UK, as well as offering after sales service for both products as well as the new ROSA machines.



ROSA ERMANDO S.p.A. is a worldwide leader in designing and building horizontal-spindle grinding machines for flat surfaces and profiles, universal grinding machines for rails and profiles and creep-feed grinding machines.

ROSA will be exhibiting the following machines at GrindTec 2020:-

Steel 11.7 - 1,200 mm x 750 mm x 600 mm Surface and Profile Grinder

Steel 13.7 - 1,500 mm x 750 mm x 600 mm Surface and Profile Grinder



Japan's No. 1 in cylindrical grinding, founded in 1911, this long-established company has an unrivalled history in the world of machine tools. SHIGIYA has made a name for itself as a reliable partner for the Asian and American automotive industry. SHIGIYA will be exhibiting the following machines at GrindTec 2020:-

GPB 30.B75 - CNC Cylindrical Grinder with hand wheel control

GPV 10.20R - CNC Vertical Cylindrical Grinder with FANUC Robot Loading System

TECNO team UK

Tel: 01206 230032

Email: info@tecnoteam.uk

www.tecnoteam.uk

