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GrindTec 2020: Laser light makes VOLLMER a full-line supplier

Biberach an der Riss, 01st October 2020 – Coronavirus has meant that GrindTec 2020 was postponed for 8 months, making the trade fair appearance of Biberach sharpening specialist VOLLMER even more exiting: What until now has only been talked about and written about can now be seen live. As a premiere, the machine concept of the new VLaser 270 is presented live on-site for the first time. The laser machine rounds off VOLLMER's range of grinding and erosion machines, making the Swabian machine manufacturer a full-line supplier of sharpening technologies, whether rotary tools, circular saws or metal-cutting band saws.

(The press release with relevant images is available at:
http://www.vollmer-group.com/de/unternehmen/presse/pressemeldungen.html)

Although the coronavirus pandemic has changed many things, VOLLMER's motto for GrindTec 2020 from 10th to 13th November 2020 remains the same: All good things come in threes! As a full-line supplier, the sharpening specialist is presenting the three technologies – grinding, eroding and laser machining – at its trade fair stand in Hall 1. With these, VOLLMER can always deliver the optimum sharpening solution, independently of the process, in order to fully machine rotary tools, circular saws and band saws. And thanks to corresponding automation, the VOLLMER machines are unmanned and ready for use around the clock. VOLLMER's most recent innovation is the VLaser 270 laser machine. Using the power of the light and linear drive technology, PCD-tipped (polycrystalline diamond) tools can be precisely machined.

VLaser 270 is based on innovative VOLLMER kinematics

At the core of the VLaser 270 laser machine is its fixed laser beam guidance with innovative machine kinematics. The way in which the five axes are arranged means that the tool is always machined at the pivot point of the C axis. This makes it possible to machine tools with minimal axis movement and to ensure stable process control. At the same time, the kinematics enables high path accuracy, which has a positive impact on the machining accuracy and quality of the tools. The VLaser 270 can be optionally equipped with a counter point to achieve even higher concentricity.

This makes the VLaser 270 the first laser machine on the market to have such a counter point.

VGrind 340S for machining small diameters

The new VGrind 340S is one of the party, which has been specially developed for producing and resharpening the smallest of carbide tools with a diameter of between 0.3 and 12.7 millimetres. The machine relies on tried-and-tested VGrind technology: It features two vertical spindles for different grinding wheel sets, which makes it possible to reduce non-productive times. Five perfectly harmonised CNC axes achieve interpolation with short travel distances for the linear and rotary axes, which in turn reduces the time required to machine workpieces. In addition to the rotary axes, the linear axes are also designed as direct drives (linear drives) for the first time.

VHybrid 360 combines the best of two worlds

The VHybrid 360 grinding and erosion machine is also new from VOLLMER. With this machine, tool manufacturers can grind and erode various carbide and PCD tools, combined in one set-up. This machine combines technologies and experience that VOLLMER has gained in the fields of grinding and eroding over many decades. The key component is the VPulse EDM erosion generator, which sets new standards when it comes to efficiency and surface quality. From the world of grinding, the ultra-modern machine concept of the VGrind series ensures high precision in tool machining.

CHX 840 sharpens circular saws with high precision

Traditionally, VOLLMER is strongly represented when it comes to sharpening machines for machining carbide-tipped circular saw blades. On the global grinding technology market, the VOLLMER machines abbreviated as CHX, CHP, CHF and CHD are some of the best-sellers. The CHX 840 with automation can be seen at GrindTec, with which sharpening shops, saw mills or furniture producers can sharpen carbide-tipped circular saw blades with a diameter of 840 millimetres. Thanks to five CNC-controlled axes, the CHX 840 can machine saw blades with all common tooth geometries – this also applies to sawing with axial angle and group toothing.

Service package and digital services

At the GrindTec trade fair stand, VOLLMER will also be giving information about its service package for training, finance, maintenance and repair. With the digital initiative V@dison, the full-line supplier brings together applications for Industry 4.0 and IoT (Internet of Things) to connect people and machines. A new arrival is the app "Visual Support", with which the user can contact the VOLLMER help desk directly.

"There is no doubt that we had all imagined it differently, but COVID-19 thoroughly disrupted the schedule for presenting our 2020 innovations," says Dr Stefan Brand, CEO of the VOLLMER Group. "We are looking forward to being able to greet our customers and visitors live again at GrindTec in Augsburg in November all the more – of course with appropriate hygiene measures."

(approx. 5300 characters)

Press images

Caption: At GrindTec 2020, VOLLMER will be presenting itself for the first time as a full-line supplier for machining tools, circular saws and band saws, and will be showcasing machines that use the three sharpening technologies grinding, eroding and laser machining.

Caption: With the new VLaser 270 laser machine, VOLLMER becomes a full-line supplier for precise machining of rotary tools, circular saws and band saws.

About the VOLLMER Group
With its comprehensive range of machinery, the VOLLMER Group – which has sites in Germany, Austria, Great Britain, France, Italy, Poland, Spain, Sweden, the USA, Brazil, Japan, China, South Korea, India and Russia – enjoys global success as a tool machining specialist in terms of both production and service. The technological leader's range of products includes the most advanced grinding, eroding, laser and machining tools for rotary tools and circular saws in the woodworking and metalworking industries, as well as for metal-cutting band saws. In offering this, VOLLMER relies heavily on the company's tradition and its strengths: Local contacts for efficient communication channels, quick decisions and rapid action by a family-run company. The VOLLMER Group currently employs approximately 800 workers worldwide, with around 580 of these at the main headquarters in Biberach alone, including more than 75 trainees. The company invests around eight to ten percent of its turnover in the research and development of new technologies and products. As a provider of technology and services, the VOLLMER Group is a reliable partner to its customers.

Further information and relevant images are available at:
http://www.vollmer-group.com/de/unternehmen/presse/pressemeldungen.html

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