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GrindingHub 2022: New sharpening duo for the carbide-tipped circular saw

Biberach an der Riss, 18th May 2022 – The new duo of VOLLMER grinding machines designed for machining carbide – tipped circular sawblades, is made up of the CS 860 and CSF 860.The sharpening specialists VOLLMER are presenting the machines, which stand out in particular thanks to uniform and intuitive operation, at the GrindingHub 2022 trade fair in Stuttgart. Thanks to simple control and programming via the touchscreen or keyboard, users can learn how to use the machine in no time. Innovative measuring equipment, handling systems for unmanned machining, as well as the networked data exchange via a standard IoT gateway, automate the production processes for carbide-tipped circular saw blades with various tooth geometries.

(You can also find the press release with relevant images at:
https://www.vollmer-group.com/en/company/press/press-releases

"Simplicity is the result of maturity." This quote from the German poet Friedrich Schiller touches the core of the new CS 860 and CSF 860 grinding machines from the Swabian sharpening specialists VOLLMER. Thanks to sophisticated technologies, both machines are easy to operate and are highly automated in order to repair and sharpen carbide-tipped circular saw blades with diameters up to 860 millimetres in a single clamping operation.

Intuitive operation and fully automatic set-up

While the CS 860 is suitable for grinding tooth faces and tooth tops on carbide-tipped saw teeth, the CSF 860 is designed for grinding of the tooth sides on circular sawblades. What both machines have in common is that users can control and programme them intuitively via the touchscreen or keyboard thanks to the tried-and-tested VOLLMER operation. Since they have identical grinding wheel management, once the grinding wheels have been initially measured, they do not have to be measured again after they are changed. The machine automatically detects the newly inserted saw teeth and machines them to size in an oscillating manner. The feed pawl registers broken teeth in order to prevent the grinding wheels from

breaking and also determines the tooth pitch. This means that it is not necessary to enter this manually and therefore prevents operator errors.

Automation~~s~~ for round-the-clock unmanned machining can be implemented using various VOLLMER handling systems from the ND series. Customers can combine up to three grinding machines with the ND robotic systems and~~-~~depending on the equipment, they can be equipped with up to 650 circular saw blades. Using the standard IoT gateway (Internet of Things), the completely CNC-controlled CS 860 and CSF 860 exchange the recorded operating and machine data in order to determine the machine utilisation in real-time, for example.

Carbide-tipped circular saws for cutting wood and metal
The duo of sharpening machines – CS and CSF 860 – are used in companies that require carbide-tipped circular saw blades for the cutting of wood, metal or composite materials. Tool manufacturers can use the VOLLMER machines to automate the production of large volumes and sharpening services are able to flexibly machine circular saws from different manufacturers and types. Saw mills, contract saw mills, furniture manufacturers and producers of plate materials use the grinding machines to quickly and efficiently resharpen carbide-tipped circular saw blades in-house.

"In wood and metal processing, the carbide-tipped circular saw is indispensable as one of the main cutting tools; furthermore, thanks to their properties, they can often be resharpened multiple times," says Jürgen Hauger, CEO of the VOLLMER GROUP. "With our CS 860 and CSF 860, we are offering two grinding machines that are not only easy to use, but which can also be used by our customers to reduce the total costs for sawing performance and in addition, conserve resources."

(approx. 3800 characters)

Press picture

Caption: The operation of Vollmer's CS 860 and CSF 860 grinding machine duo can be learned in no time at all thanks to simple control via touchscreen or keyboard to precisely machine saw teeth of TC circular saws on chip and flank surfaces or flanks.

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 range of products offered by this leader in technology 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. With this offer, VOLLMER relies heavily on tradition and the company's strengths: Local branches, 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 per cent 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:
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