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Danish tool manufacturer puts its trust in VOLLMER

Biberach an der Riss, 09th December 2020 –Danish tool manufacturer, TN Værktøjsslibning, is a name that may be a bit of a mouthful, so they often shorten it to TN Slib. The word "Værktøjsslibning" means "tool grinding", and that is exactly what the company does: It produces coated, solid carbide milling cutters and drill bits, which can be made to order or can be chosen from more than 50 standard models. The Bjæverskov based company also offers resharpening services and advice. At the beginning of 2020, TN Slib decided to purchase the VGrind 340S tool-grinding machine, which Biberach-based sharpening specialists VOLLMER introduced to the market a year earlier. The VGrind 340S is a newer iteration of the time-tested yet highly innovative machine concept on which the VGrind series is based.

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

Leading Danish tool manufacturer

TN Værktøjsslibning (TN Slib) is one of Denmark's leading tool manufacturers located approximately 50 km south west of Copenhagen. Among the central tenets of the company's vision are high product quality and a focus on customer relations that are founded on mutual trust and cooperation. The company employs 25 members of staff that work to produce, coat and resharpen solid carbide tools such as milling cutters and drill bits. TN Slib specialises in developing bespoke stepped milling and drilling tools in close collaboration with its customers. Currently, its customers hail primarily from Europe, but it is attracting ever increasing interest from businesses from further afield. In order to increase the quality and precision of its cutting tools, the manufacturer invested in the VOLLMER VGrind 340S grinding machine at the start of the year.

The open dialogue with VOLLMER is valued

"We see great potential in our collaboration with VOLLMER, both now and in the future," says Torben Nielsen, founder, owner and CEO of TN Værktøjsslibning. "When we met at EMO 2019 in Hanover, we were very impressed by VOLLMER. We

particularly liked the friendly, in-depth exchange in which we discussed optimising the grinding machines for our specific requirements."

TN Slib makes around three quarters of its sales in the production of bespoke, solid carbide tools. The company also offers standard tools for cutting metals such as steel, aluminium, cast iron or copper. TN Slib's customers are chiefly in the medical technology, aerospace and automotive industries. In order to improve the performance and operating life of its tools, TN Slib coats them using two dedicated coating machines. A new CNC milling centre was procured specifically for the purpose of testing different coatings. Around 5% of the company's sales come from its resharpening services.

A grinding machine for delicate milling cutters and drill bits

Using the VGrind 340S grinding machine, TN Slib seeks to drive forward the development and production of small milling cutters and somewhat larger drill bits with diameters of between 0.3 and 8mm. Delicate tools like these are facing increased demand in the manufacturing industry because of the ever tighter spaces encountered in mobile devices, medical equipment and automotive technology. VOLLMER designed the VGrind 340S specially for machining small solid carbide cutting tools. With its two vertical spindles for different grinding wheel sets, the grinding machine allows for multi-level machining. This enables TN Slib to cut down on non-productive time and further improve tool quality. Five optimally configured CNC axes achieve interpolation with short travel distances for the linear and rotational axes, which in turn reduces the time required to machine workpieces and allows for incredibly tight tool tolerances.

TN Slib produces tools around the clock without human intervention

A key factor in TN Slib's decision to purchase the VGrind 340S was that the machine has the versatility to produce both small and large batches. The proven NUMROTOplus software enables three-dimensional simulation of production processes and makes it possible to carry out collision monitoring in advance. To allow the company to operate the grinding machine around the clock, tool manufacturer TN Slib opted for an optional automation solution. This came in the form of the HP 160 pallet magazine, which allows up to 900 workpieces to be fed-in for unmanned machining of tools with different shank diameters.

"Medium-sized tool manufacturers like TN Værktøjsslibning are increasingly using machine tools that are tailored to their specific requirements," says Jürgen Hauger, CEO of the VOLLMER Group. "The basic concept behind our VGrind product family enables us to configure sharpening machines on a modular basis and optionally adapt them to processes that are desirable for tool machining – especially for custom toolmaking."

(Approx. 4800 characters)

Press picture

Caption: Danish tool manufacturer TN Værktøjsslibning opted for the VOLLMER VGrind 340S grinding machine for producing and resharpening its thin, solid carbide tools with diameters of less than 10 mm.

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 leading technology manufacturer's range of products includes the most advanced grinding, eroding, laser cutting 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 draws heavily on the company's long-standing expertise 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 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:
(https://www.vollmer-group.com/en/company/press/press-releases)

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Contacts for journalists
VOLLMER WERKE Maschinenfabrik GmbH
Ingo Wolf
Head of Marketing Services
Tel.: +49 (0) 7351 571277
E-mail: i.wolf@vollmer-group.com

Carmen Fink
Marketing Services
Tel.: +49 (0) 7351 571754
E-mail: c.fink@vollmer-group.com