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## **The sharp 13 for tool construction**

**Biberach an der Riß, 11<sup>th</sup> May 2016 – The Ostrach-based family business, Neher, develops diamond tools for the international manufacturing industry. When it comes to sharpening technology, this company from Lake Constance has placed their trust in VOLLMER since they were founded in 1990. Neher now uses an impressive 13 sharpening machines from the Swabian grinding and eroding machine specialists, the lion's share of which are QWD 750 H wire erosion machines. In addition, the toolmaker's fleet includes the QXD 250 disc erosion machine, the QW 72 P and QWD 755 wire erosion machines, and the CHD 270 grinding machine.**

(You can also find the press release with suitable pictures at:  
<http://www.vollmer-group.com/en/company/press/press-releases.html>)

"For 25 years, in our third generation, we are not only developing solid carbide and PCD tools, but also automated solutions such as clamping and lifting devices," says Michael Enzenross, who is responsible for corporate communications. "We have a product range that generates just under nine million euros per year."

Neher, whose headquarters is located just a few kilometres away from Lake Constance in Ostrach-Einhart, uses PCD (polycrystalline diamond) to manufacture robust milling cutters, drills, reamers and combination tools used by customers in the woodworking, car manufacturing and aerospace industries around the world. Thanks to a high degree of hardness and resistance to abrasion, the rotary tools are primarily suited to machining lightweight construction materials such as aluminium and magnesium alloys as well as composites.

Neher employs 82 members of staff, with women accounting for 27% of that number – a figure of which they are proud. It is the quality and reliability of its diamond tools that distinguishes the company from its competitors. Since they were founded in 1990, Neher has been using VOLLMER eroding machines to

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manufacture PCD tools. Thanks to the contactless eroding process, the PCD can be removed precisely and the tool geometries can be individually adapted to customer requirements.

Today, Neher uses 13 VOLLMER sharpening machines. The company uses a total of eight QWD 750 H wire erosion machines to machine PCD tools. Due to the eroding wire, they are used for the precise sharpening of complex tool geometries with very small internal radii, as is typical of multi-stage tools. In addition, Neher has two QXD 250 disc erosion machines. These are used to machine diamond tools in one clamping operation and, thanks to the Vpulse EDM generator technology, achieve an excellent surface quality at the highest stock removal rate. The QXD 250 even provides greater flexibility when manufacturing special tools in order to deal with the various requirements that customers have.

The full complement of VOLLMER machinery is made up with QW 72 P and QWD 755 wire erosion machines and the VOLLMER CHD 270 grinding machine for sharpening carbide-tipped circular saws. The CHD 270 is a modular machine and consists of individual CNC-controlled machining tools for sharpening the tooth geometries on the tooth face and tooth top as well as sides that have been networked with an intelligent handling system.

"Neher has made a name for itself in the international manufacturing industry thanks to their highly precise solid carbide and PCD tools," says Dr.-Ing. Stefan Brand, CEO of the VOLLMER Group. "Whether for automotive or aerospace applications, our grinding and eroding machines are contributing to Neher's ability to continue to successfully supply those industry sectors that rely on the precise machining of aluminium or composite materials."

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**Caption:** Neher, an Ostrach-based family company, has a fleet of 13 VOLLMER sharpening machines, including eight QWD 750 H wire erosion machines and two QXD 250 disc erosion machines.



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**Caption:** Neher uses PCD to manufacture robust milling cutters, drills, reamers and combination tools used by customers in the woodworking, car manufacturing and aerospace industries around the world.

#### **About the Neher Group**

You can find further information at: [www.neher-group.com](http://www.neher-group.com)

#### **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 and India – enjoys global success as a specialist in tool machining in Production and Service divisions. The technological leader's range of products contains the most advanced grinding, eroding and machine tools for rotary tools, circular saws and band saws in the wood- and metalworking industries. In offering this, 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 700 workers worldwide, with around 500 of these at the main headquarters in Biberach alone, including more than 50 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:

<http://www.vollmer-group.com/en/company/press/press-releases.html>

Link to VOLLMER's Facebook fan page:

<https://www.facebook.com/vollmergroup>

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