**SEPTEMBER 2023 | EMO HANNOVER**

**High performance in stainless steels**

Horn has developed a new, solid carbide milling cutter range especially for machining stainless steels. The tools are for milling stainless materials in the food, chemical and pharmaceutical industries as well as the precision engineering and watchmaking industries. In addition, due to their geometry and good chip breaking, the milling tools are suitable for machining numerous other materials. Due to the precise combination of the substrate, the macro and micro geometry as well as the IG3 coating, the milling system exhibits high performance and long tool life. The coating in particular offers high temperature resistance for machining steels alloyed with chromium, nickel and molybdenum.

Horn offers the solid carbide milling tools from stock in two types. The DSHPR variant is suitable as both a finishing and a roughing tool. The geometry is also adapted for trochoidal machining and plunging. The DSR type, with its very sharp cutting edge geometry and short design, is suitable for very small parts and unstable clamping conditions, such as in the medical and watchmaking industries. In the DSHPR line, all tools are available with four teeth and in diameters from 2 mm (0.079") to 20 mm (0.787"). Horn offers the DSR variant with three teeth in diameters from 1 mm (0.039") to 10 mm (0.394").

*1,304 characters incl. spaces*



**Photo caption:** Due to the precise combination of the substrate, the macro and micro geometry as well as the IG3 coating, the milling system exhibits high performance and long tool life.

Source: Horn/Sauermann



**Photo caption:** Horn offers the solid carbide milling tools from stock in two types.

Source: Horn/Sauermann

Contact person for enquiries:

Hartmetall-Werkzeugfabrik Paul Horn GmbH

Christian Thiele

Press Officer

Horn-Straße 1, 72072 Tübingen

Tel.: +49 7071 7004-1820, Fax: +49 7071 72893

Email: [Christian.Thiele@de.horn-group.com](mailto:Christian.Thiele@de.horn-group.com), [horn-group.com](http://www.horn-group.com)