**MAY 2021**

**Expansion for slot milling and slot cutting**

With its expansions to the tool range for slot milling and slot cutting, Paul Horn GmbH is responding to the requirements of users. Horn now offers the cutter body of the M310 milling system with an internal coolant supply. This increases the service life of the indexable inserts and therefore reduces tool costs. The internal coolant supply also allows a higher level of precision when slot milling as no heat is transferred from the cutting zone into the component. What’s more, the flushing action of the coolant, combined with the geometry of the cutting edges, prevents chip jamming in deep grooves.

Horn offers two types of milling and slotting cutter. The screw-in milling cutter is available in diameters from 50 mm (1.969") to 63 mm (2.480") with widths from 3 mm (0.118") to 5 mm (0.197"). As an arbour milling cutter, the main bodies are available with diameters from 63 mm (2.480") to 160 mm (6.300"). The widths are also between 3 mm (0.118") and 5 mm (0.197"). The three-edged S310 carbide inserts are bolted on the left and right of the main body and therefore ensure a good distribution of the cutting forces. In addition to further geometries for processing different materials, Horn is introducing inserts with a geometry for milling aluminium alloys.

As well as expanding the M310 system, Horn is rounding off the range of the M101 and M383 milling systems. For the M101 tool, S101 inserts are available from stock with a width of 2.5 mm (0.098"). What’s more, new inserts with an 8-degree lead angle are available especially for slot cutting. For the 383 system, HORN is expanding the range of bodies with diameters of 125 mm (4.921") and 160 mm (6.300").

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**photo caption:**



photo 1:Horn now offers the cutter body of the M310 milling system with an internal coolant supply.

Source: Horn/Sauermann



photo 2: Horn is expanding its M310 milling system for slot milling and slot cutting.

Source: Horn/Sauermann

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