**NOVEMBER 2024**

**New tools for deep axial grooving**

The new Mini 114 system from Horn enables a face grooving depth of up to 10 mm. The Tübingen-based tool manufacturer is thus further expanding the already wide variety of this product family. The insert is suitable for turning and copy turning of axial grooves. The user does not need a special tool holder, as the insert is compatible with the existing axial holder system. As standard, Horn offers the EG55 carbide grade grooving tools in three different types from stock with cutting widths of 2 mm, 2.5 mm and 3 mm. The minimum diameter for grooving is 14 mm, while the maximum is 34 mm to 36 mm, depending on the type.

The face-screwed inserts of the Mini system are one of Horn's core products. The tool system is suitable for turning and milling applications. The precision tools have proven particularly effective for boring, internal grooving and face grooving. Paired with the low-vibration carbide tool holders, the inserts produce good surface finish even with long overhangs and ensure excellent process reliability. The Mini system's broad portfolio offers inserts in various sizes for different internal diameters as well as different geometries and substrates and CBN or diamond tips.

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Photo caption: Face grooving to a depth of up to 10 mm is possible with the new Mini 114 system from Paul Horn GmbH

Source: HORN/Sauermann



Photo caption: As standard, Horn offers axial grooving tools in three different types in carbide grade EG55.

Source: HORN/Sauermann

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