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**Optimised for Swiss-type lathes**

Paul Horn GmbH has never stopped developing and optimising its product portfolio. At the same time, it has integrated almost 100 percent of the added-value creation into its own production. The range of applications of the tool systems has grown considerably. Today's machining operations across a diverse range of materials constantly demand further development and adaptation of the tool systems. Grooving with indexable inserts has become indispensable in modern production. Radial grooving, parting-off, axial grooving and internal grooving to micron precision are now part of everyday life in industry. For such machining processes, Horn relies on the S224 insert system, among others.

Horn has revised the clamping of the S224 type indexable insert for use in Swiss-type lathes. In order not to have to remove the holder for indexing or changing the insert, the Horn engineers relocated the clamping screw to the side. Clamping now takes place via a camshaft. This allows the insert to be clamped quickly at either side of the holder without having to remove it. Furthermore, this type of insert also eliminates the need to invest in special quick-change systems. For the user, in addition to simple operation with a torque wrench, there is the advantage of reduced machine downtime due to faster set-up. Horn offers the holder system from stock in left and right versions as a 16 mm x 16 mm square shank. All variants of the holder are equipped with an interface for internal coolant supply from above and below.

*1,519 characters incl. spaces*



**Photo caption:** Horn has revised the clamping of the S224 type indexable insert for use in Swiss-type lathes.

Source: Horn/Sauermann



**Photo caption:** With the S224 type indexable inserts from Horn, there is no need to invest in special quick-change systems.

Source: Horn/Sauermann

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