

## **Simply set to length**

### **New length-adjustable tooling solutions from SIMTEK**

**Mössingen / Stuttgart AMB 2024 - At AMB in Stuttgart, precision tool manufacturer SIMTEK is presenting a new range of length-adjustable tooling solutions. This includes the simturn DX toolholder with unique length adjustability and an innovative ME-clamping system, simturn PX toolholder for internal machining and the simturn AX range for boring of bores.**

With the introduction of a new range of length-variable tooling solutions, SIMTEK is underlining its commitment to continuously developing innovative products that meet the requirements of modern manufacturing while increasing flexibility and cost efficiency. The specially developed and patented ME-clamping system ensures maximum stability and precision in machining.

### **Securely clamped to full length**

These versatile simturn DX toolholders offer an outstanding solution for internal machining in the truest sense of the word. They can be precisely and continuously adjusted in length and, according to SIMTEK, are particularly suitable for use in small series production. Thanks to their unique length adjustability, they can be flexibly adapted to the machining of a wide variety of components. Available in sizes D07 (lengths from 20.0 mm - 55.0 mm), D10 (lengths from 31.0 mm - 87.5 mm) and D14 (lengths from 42.0 mm - 124.0 mm), these toolholders cover lengths from 20.0 mm to 124.0 mm. SIMTEK's innovative ME-clamping system guarantees maximum stability and precision so that they can be conveniently adapted to the respective requirements. "With the new length-adjustable toolholders, we can significantly reduce the need for our users to purchase new tools at the start of a new component series," emphasizes



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### **Internal machining from Ø 10.5 mm**

To meet the specific requirements of internal machining even better, length-adjustable simturn PX toolholder are now available. These tools are particularly suitable for the precise boring of holes from a diameter of Ø 10.5 mm and, with a three-edged tool system, offer an optimum combination of cost efficiency, stability and flexibility. "The ability to react quickly and cost-effectively to new requirements in metalworking is becoming increasingly important. With the new length-adjustable tools, we can offer precisely this agility," explains Norbert Seifermann.

### **Variable unscrewing toolholders**

The length-variable tools from SIMTEK, which can be flexibly adjusted in length, offer a wide range of possibilities in machining technology. Within the simturn AX product group, the Mössingen-based tool specialist is also launching a length-adjustable solution for boring of bores from Ø 47 mm. Thanks to the ME-clamping system, the usable length of the cutting inserts can be continuously and precisely adapted to the respective requirements, which significantly increases efficiency and productivity in production.



Picture 1: Norbert Seifermann

Caption: Norbert Seifermann: "The ability to react quickly and cost-effectively to new requirements in metalworking is becoming increasingly important. With the new length-adjustable tooling solutions, we can guarantee precisely this agility."



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Figure 2: Length-adjustable tooling solutions  
Caption: New range of length-adjustable tooling solutions from SIMTEK.



Figure 3: simturn DX  
Caption: simturn DX toolholders with steel round shank for the internal machining of small components can be used in variable lengths. Thanks to the friction-locked ME - clamping system, the internal carbide toolholder is clamped securely.



Figure 4: simturn PX  
Caption: Variability is a decisive success factor in any production process. With the length-adjustable simturn PX tooling solutions, SIMTEK is setting new standards thanks to the flexibly adjustable usable length.



Figure 5: simturn AX  
Caption: Variability is a decisive success factor in any production process. With the length-adjustable simturn AX cutting inserts, SIMTEK is setting new standards thanks to the flexibly adjustable usable length.



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Figure 6: simturn DX

Caption: Variability is a decisive success factor in any production process. With the length-adjustable simturn DX cutting inserts, SIMTEK is setting new standards thanks to the flexibly adjustable usable length.

## About SIMTEK

Founded in 1994, SIMTEK Präzisionswerkzeuge GmbH, a central part of the SIMTEK Group, employs almost 600 people worldwide at six production, sales and logistics locations and is present in 46 markets around the globe. The tool specialist, headquartered in Mössingen, Swabia, develops, manufactures and sells carbide precision tools of the highest quality and performance. The extensive standard range currently includes around 11,000 tools for grooving, turning, circular milling, grooving, thread whirling and polygon milling. Tools for machining bores with a minimum diameter of 0.3 mm are just as much a part of the standard range as highly complex, multi-row side milling cutters with a diameter of 200 mm. Thousands of successful customer-specific individual tool developments testify to our extensive development expertise.

New to the SIMTEK Group's product range are high performance rotary tools from the in-house brand Kaestner-Tools, which impress with their precision, performance and process reliability. The tool portfolio includes drills, countersinks, reamers and milling cutters as well as special and combination tools.

Further information can be found at: [www.simtek.com](http://www.simtek.com)

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