Press release dated August 11, 2025

**INDEX-WERKE at EMO 2025 in Hall 17, Booth C02**

**Highlights in turning technology**

**Anyone visiting EMO 2025 in Hanover from September 22 to 26 should not miss the INDEX booth C02 in Hall 17. The INDEX and TRAUB machine innovations and automation solutions promise high production efficiency, ensuring competitiveness even in difficult times**.

Among the machine highlights the TRAUB TNK40 production turning machine, a pure short-turning machine developed on the basis of the TRAUB TNL32 compact swisstype turning machine. Instead of the sliding headstock for swisstype turning, the TNK40 has a fixed headstock with a spindle diameter of 40 mm. Thanks to the low-vibration and simple bar feed (e.g. via a short loader), the machine achieves higher overall rigidity than the swisstype turning version, which is reflected in increased dynamics and component quality.

Another new addition is the TRAUB TNL12 lean swisstype turning machine. This cost-effective entry-level model is configured with only one turret and one rear unit. The driven guide bush is adjustable but not programmable. Optional extensions are of course still possible.

Complete machining and automation are setting a trend across all industries. INDEX demonstrates what a practical solution can look like using the example of the INDEX G200.2 and G320 turn-mill centers with the iXcenter robot cell.

One technological innovation is High Dynamic Turning, which INDEX has further developed into HDT 2.0. In this process, the setting angle of a turning tool is continuously adjusted using the C-axis of a motorized milling spindle. INDEX has developed a new input mask for HDT 2.0 that allows this process to be programmed easily and efficiently directly on the machine. This eliminates the need for numerous tool changes, as even very complex turning contours can be machined with just one tool.   
INDEX is also presenting a solution that enables High Dynamic Turning on a turret and even on a multi-spindle automatic lathe.

In addition, our experts on site will provide extensive information on all topics related to the “machining” process chain. Come and visit us!

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**Pictures:**  all pictures: INDEX

** *P01\_INDEX\_EMO2025\_TRAUB TNK40*

** *P02\_INDEX\_EMO2025\_TRAUB TNL12*

* P03\_INDEX\_EMO2025\_iXcenter*

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*P04\_INDEX\_EMO2025\_High Dynamic Turning 2.0*