



Press info 09/08  
TNL12

## Press information

### **TRAUB CNC sliding headstock automatic TNL12**

#### **Workpiece complexity decides over investment**

**The TNL12 sliding headstock automatic is a means of production that is thanks to its modular design suitable optimally for the economic manufacture of small, high-precision turned parts with a diameter of up to 13 mm. The workpiece complexity is decisive for the configuration of the machine, for which up to 9 linear axis are available.**

The concept of the TRAUB TNL12 is based on the innovative arrangement of all four tool carriers in two working levels that cross each other. The tool carriers 1 and 2 with each 6 stations for fixed or individually driven tools are designed as turrets with high-precision and very fast indexing. The chip-to-chip time is 0.3 seconds. The front working and backworking attachments have each up to four stations for fixed or individually driven tools. A high level of complete machining is achieved by using a counter spindle with identical design in combination with the main spindle (bar diameter up to 13 mm, maximum number of revolutions 12,000 rpm). Up to four tools are used at the two spindles simultaneously.

Independently of the configuration, the TNL12 is very compact and thus can be integrated ideally in existing machine groups. Its working area can be accessed very well from both sides. Because of tool holders that are preset outside of the machine, the set-up times are exceptionally short. Hereby, the patented tool mountings guarantee a precise positioning with repeating accuracy.

The extremely fast 64bit control unit TRAUB TX8i provides user-oriented software for the use, operation and optimization on the machine and can be used with teleservice.

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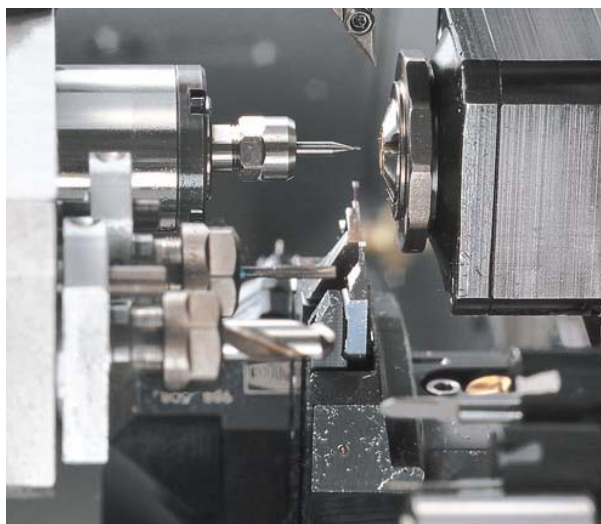
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**Figure 1:**  
Sliding headstock  
automatic  
TRAUB TNL12



**Figure 2:**  
The working area  
accessible from  
both sides



**Figure 3:**  
High-frequency  
machining