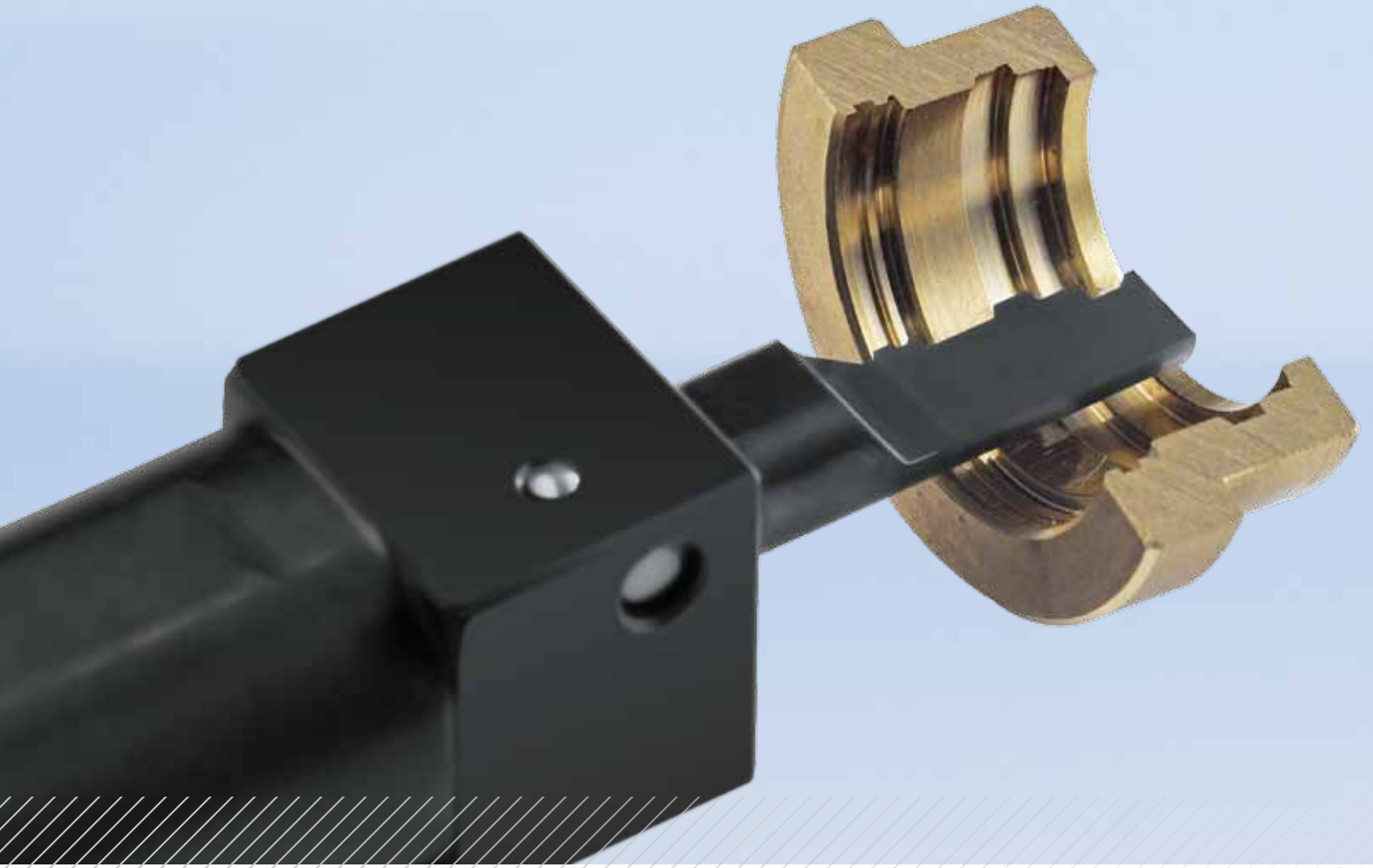


Machining Technology

# ID Grooving and Turning



**Schwab**

## Schwanog WSI System:

# ID grooving and turning or a combination of both in a single operation

**ID grooving and ID turning with Schwanog is the highly efficient solution when it comes to significantly reducing your production costs.**

Especially in high-tech sectors such as the automotive, engineering or aerospace industries, quality, highest functionality and optimized cost structures are the decisive factors for competitiveness.

Schwanog's WSI system achieves ID grooving, ID turning or a combination of both manufacturing variants in a single operation.

This allows increases in productivity of up to 80 % with a corresponding reduction in part costs of up to 40 %! Take advantage of the WSI system for your internal machining processes.

### Technical Facts:

- ID grooving and turning or a combination of both
- All tool holder with coolant through feature
- Radial turning and grooving of ID's > 2mm
- Variable length adjustment of tool in the Z axis

### Repeatability:

- < 0,02 mm

### Benefits:

- Increased productivity up to 80 %
- Part cost reduction by up to 40%
- Significant time savings due to quick tool changeovers





# Insertable tooling systems.



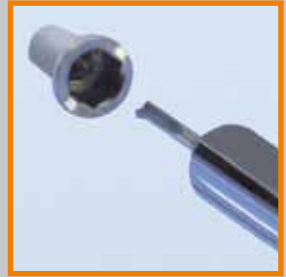
OD Grooving



ID Grooving with PWP



OD Whirling



Whirling ID Whirling  
(Thread mills)



Thread milling



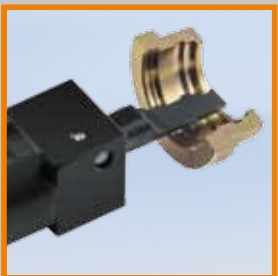
Polygon turning



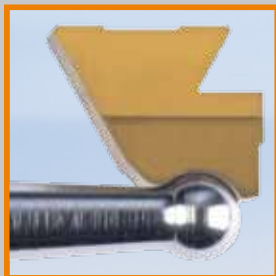
Broaches for  
Serrations



Form drilling



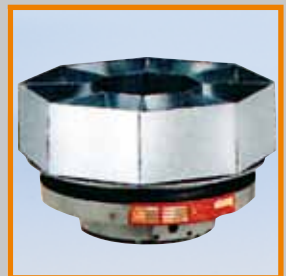
ID Grooving with WSI



Shave tools



Rotary transfer  
machines



Selector system  
machines

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