



## Cleanliness is the key to toolholding success

### ACCURATE

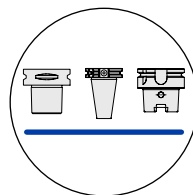
For best CNC Machining results, clean toolholders are mandatory. Get precision, longer tool life and avoid damages at your machine spindle with regular cleaning of the holder interfaces.

### STANDARDIZED

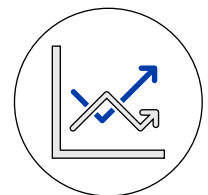
All spindle interfaces (HSK, SK, BT, CAT, CAPTO) can be cleaned effortlessly and fast. The taper cleaner is compatible with all manufacturers and brands.

### TCD-TAPER CLEANING DEVICE

The easy-to-use, solvent-free, mechanical cleaning solution for all your taper interfaces. Get best precision thanks to cleanliness.



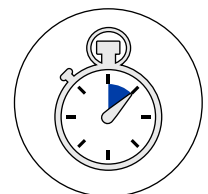
Different taper interfaces,  
independent of manufacturer



Increase productivity,  
reduce waste



Environment friendly, solvent-free,  
mechanical cleaning



Short cleaning time,  
automated with Timer



Before



After

- X** Dried emulsion/oil, small chips and other partially resinous dirt residues on a toolholder taper can eventually become a serious interference at the machine tool spindle-toolholder interface
- X** Dirtiness causes bad runout and stresses the spindle. Negative impacts are excessive tool wear out, low accuracy and even possible spindle revision
- X** Risk of contamination of other toolholders which will be clamped in dirty spindle
- X** Additional costs for new holders to replace dirty and destroyed toolholders

- ✓ A contamination-free toolholder and machine tool spindle interface ensures toolholders properly seat at full taper contact and are pulled into the spindle taper at maximum force
- ✓ Clean tooling is mandatory to get the machine's full power and tolerance capabilities
- ✓ Cleaned toolholders offer perfect runout accuracy
- ✓ Increased runout accuracy of cutting tool
- ✓ Increased service of cutting tool life
- ✓ Protects machine spindle
- ✓ No change of taper tolerance after cleaning

TCD offers easy and effortless removal of dried emulsion, cutting oil, flash rust and other partially resinous dirt residues.



Type	Part No.
<b>Cleaning adapters</b>	
TCD/SK 30	7822.30100
TCD/SK 40	7822.40100
TCD/SK 50	7822.50100
TCD/HSK-A/C/E 40	7822.40300
TCD/HSK-A/C/E 63	7822.63300
TCD/HSK-A/C/E 100	7822.00300

*Other cleaning adapters available on request.  
SK is compatible with all Steep taper like BT/CAT/ISO.*

<b>Base Unit</b>	
TCD-BU	7821.00000