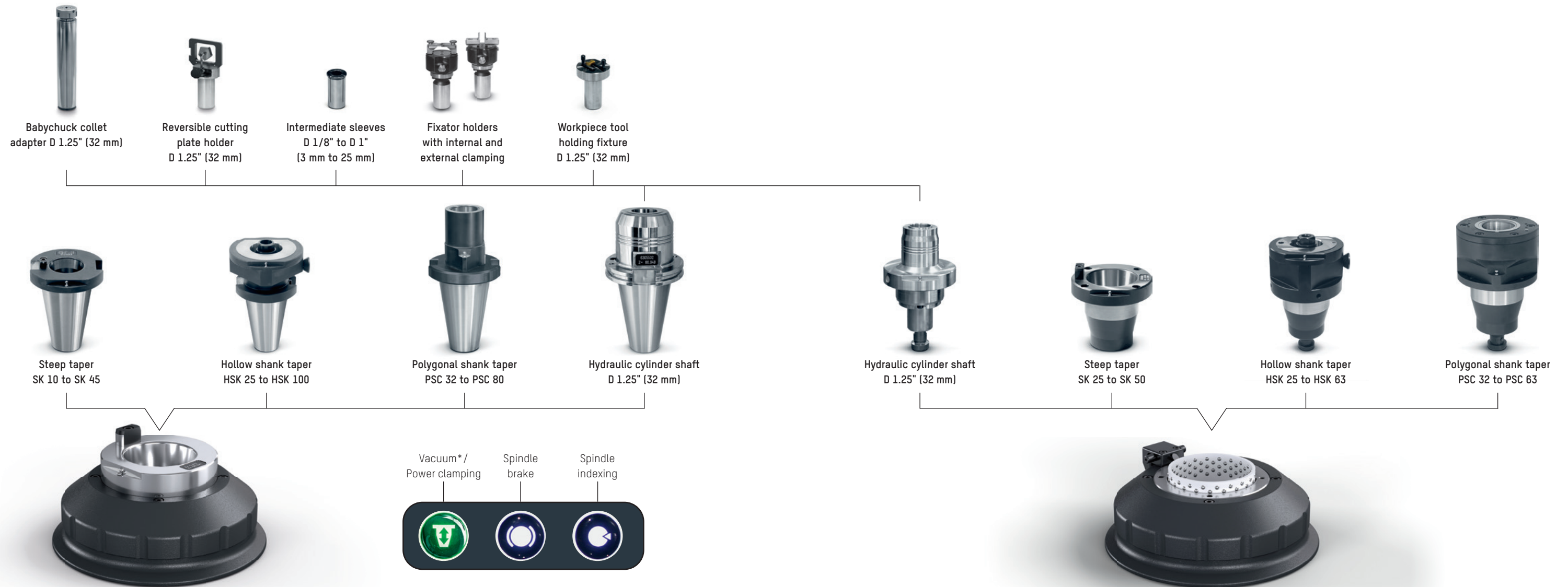


Spindle Technology for your »smileCheck«

Advantages of the ZOLLER high-precision spindles

- Clamp everything. Measure everything. Accelerate everything.
- Fast, µm-accurate changeover
- Universal for all tool holders



High-precision spindle SK 50 – with optional vacuum clamping

- High axial and radial run-out accuracy – better than 2 µm
- Ergonomic spindle handwheel – for safe rotation of the spindle and precise focusing of the tool cutting edge
- Pneumatic spindle brake and indexing – for fixing the spindle in the desired position
- Quick adapter change – in a maximum of 10 seconds
- Integrated calibration spheres on the spindle and adapters – for simple, quick and precise determination of the spindle zero point

*optional

High-precision spindle »pcs« – with power clamping and quick-change system

- Power-operated tool clamping – constant, independent of the user
- High axial and radial run-out accuracy – better than 2 µm
- Ergonomic spindle handwheel – for safe rotation of the spindle and precise focusing of the tool cutting edge
- Pneumatic spindle brake and indexing – for fixing the spindle in the desired position
- High changing accuracy of adapter tool posts – better than 1 µm
- Quick adapter tool post change – in less than 10 seconds
- Integrated calibration spheres on adapter tool posts – for simple, fast and precise determination of the spindle zero point