

## APPLICATION SHEET

### Internal hard whirling of internal profiles

#### Requirements of an economic production of internal profiles:

- Finish machining
- Surface in grinding quality
- High profile and pitch accuracy
- Short set-up and tool-change times
- Flexibility for small batch sizes
- Long tool life
- Dry cutting
- Machining of hardened materials

#### Economics:

- No costs for coolant
- Grinding quality with low investment
- Dry cutting, therefore simple disposal

#### Reliability and flexibility:

- Simple operating and interactive programming
- Central lubrication system for guideways and ball screws
- Complete protection of all guideways and drive units
- Tailor-made solutions with modular design
- Steep bed and short chips for a firm chip flow

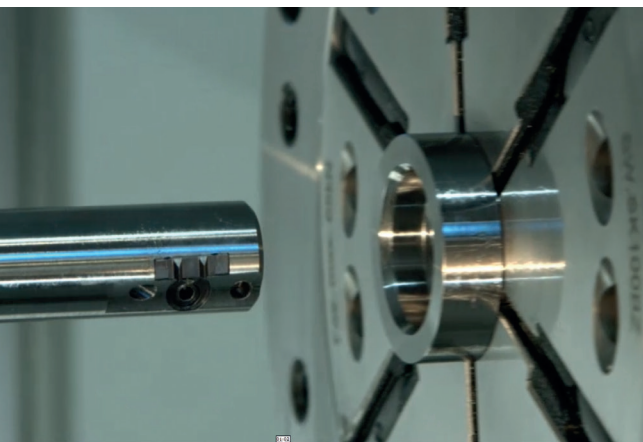


## INTERNAL WHIRLING MACHINE LWN 120 IW



### Precision:

- Direct measuring system in all axes
- Rigid bed design with preloaded slide guideways
- Precision workpiece clamping system
- High precision spindle and unit montings



*Whirling tool*



*Internal whirling process in action*