

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

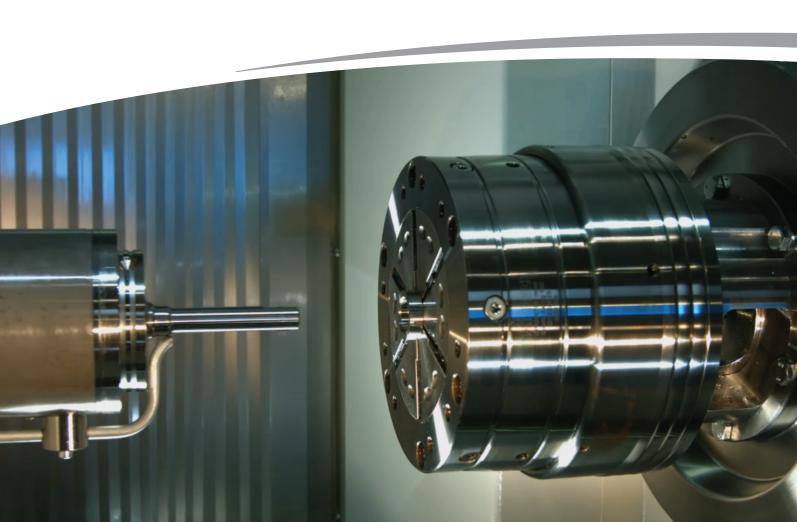
Economics:

- → No costs for coolant
- → Grinding quality with low investment

Reliability and flexibility:

- → Simple operating and interactive programming
- → Central lubrication system for guideways and ball screws
- → Complete protection of all guideways and drive units

- → Flexibility for small batch sizes
- → Long tool life
- → Dry cutting
- → Machining of hardened materials
- → Dry cutting, therefore simple disposal
- → Tailor-made solutions with modular design
- → Steep bed and short chips for a firm chip flow





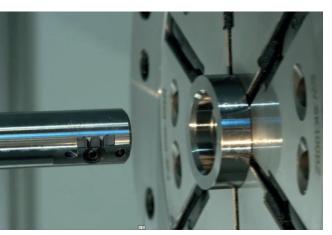


INTERNAL WHIRLING MACHINE LWN 120 IW



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 whrling process in action

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