Turbo Charger Grinding FLEX

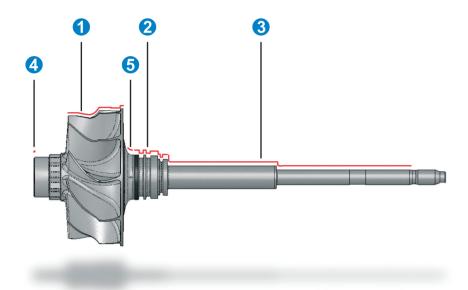






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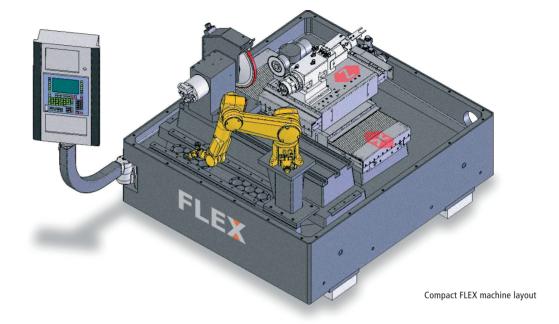








- Wear-free Axis hydrostatic axis with linear motor technology
- Highest Precision zero backlash
- Special Grinding Process on contour [1] for burr-free grinding; Option: integrated brushing station
- Special Grinding Process for surface stability and groove grinding
- Special designed Loading/Unloading Process to avoid scratches and damages on the shaft
- Grinding Wheel: CBN and/or conventional wheels can be used
- Grinding Speed: Up to 120 m/sGrinding Wheel-Ø: 350-600 mm
- Optimized Cycle Time
 using special designed and developed tool and process specifications
- Technology Partner
 Grinding oil ML Lubrication



Quality Characteristics

• Grinding Contour (Wheel/Impeller)

Runout contour to shaft	< 8	μm
Profile qualilty	< 0.04	mm
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Grinding Grooves

Runout groove shoulders	< 0.9	μm
Perpendicularity groove shoulders	< 0.35	μm
Max. diameter range	< 0.004	mm
Max. range groove width	< 0.003	mm

Grinding Shaft (Bearing Side)

< 5	μm
< 1.7	μm
< 0.08	μm
< 0.5	μm
	< 1.7 < 0.08

4 6 Grinding chamfer / welding area

