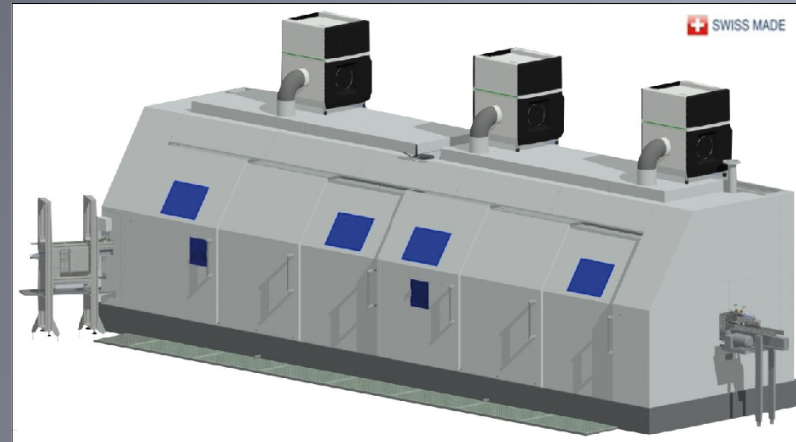
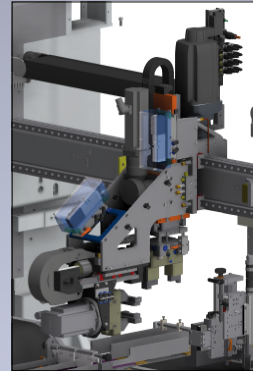


TRISTAN & ISOLDE IV

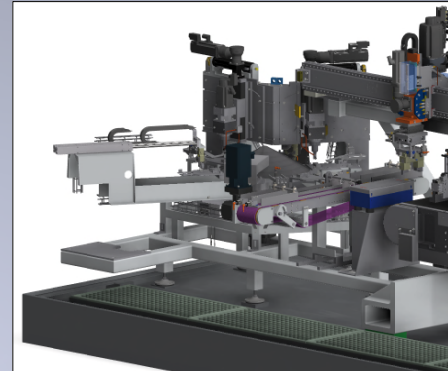
Continuous through feed grinder with 4 vertical spindles + 1 chamfer machining station. Application dedicated to machining of connecting rods.



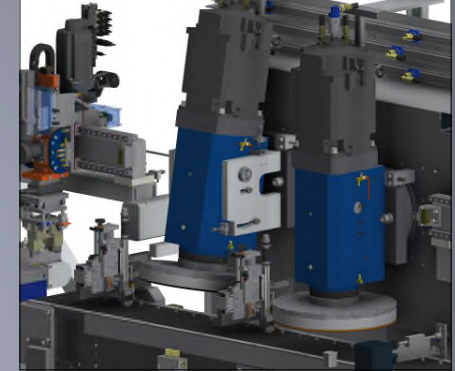
Flip-over



Chamfer machining station



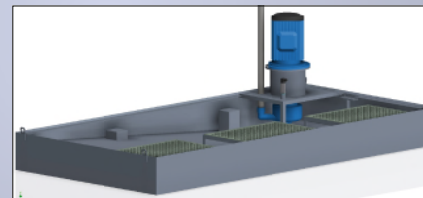
Trapeze



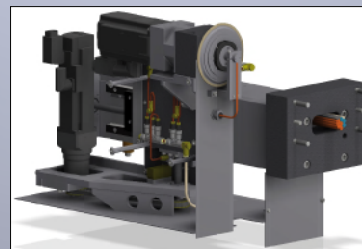
Performances

- Built to produce 24/7
- Grinding 6 faces + chamfer
- Cycle time: 6.5 seconds/connecting rod
- Trapezoid grinding up to 8 mm in one single pass
- Measurement and automatic servo
- Loading and unloading are 100% automatic
- Designed to be integrated into automotive production lines
- Resolution 0.001 mm
- High performance spindles, direct drive
- Modular rigid frame of grey cast iron combined with prestressed reinforced concrete

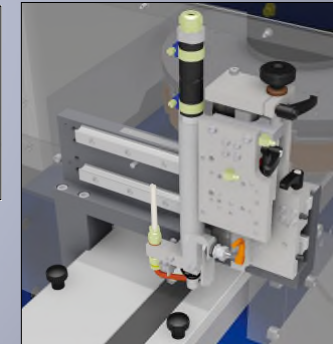
Pumping tank



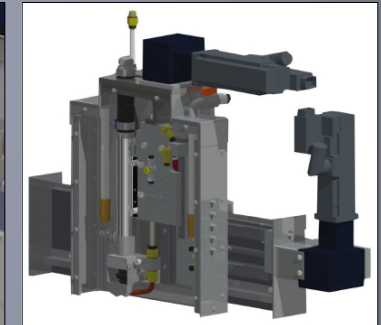
Dressing



Measurement



Manual



Automatic

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Technical specifications

Number of spindles	4	Abrasive tools	CBN/diamond/Al2O3
Spindle (mm)	∅200x500	Grinding wheel (mm)	∅500
Z-axis infeed (mm)	120	Cycle time (s/connecting rod)	1200
Direct spindle drive (rpm)	0 - 3500	Electrical control	Siemens S7/1500/TIA
Power (kW)	4x28	Total weight (t)	10 - 15
Width of machinable parts max. (mm)	285	Stock removal max. (mm)	8
Height of machinable parts max. (mm)	100	Resolution (mm)	0,001

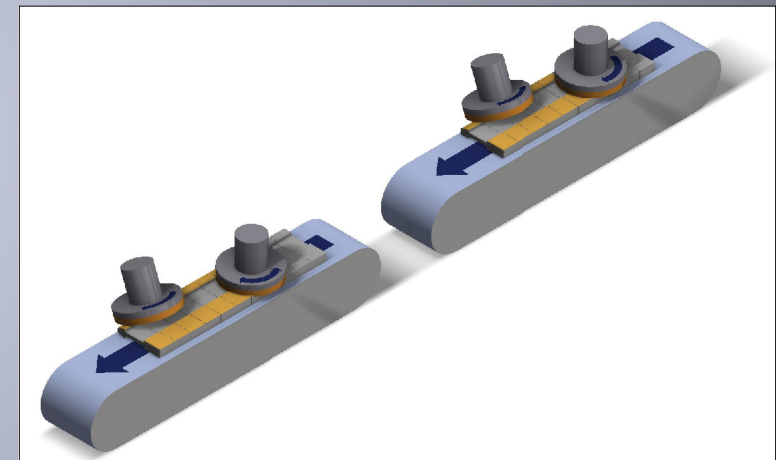
Technology 4VV'VV':

Continuous through feed surface and angle grinder equipped with 2 vertical spindles and 2 spindles with variable angle.

Combined operations

Highly productive method for continuous through feed machining of surfaces, using corundum, diamond or CBN cup wheels. Transported by a highly resistant synthetic band, held by magnetic attraction (by mask or template for parts of non-magnetic material) the parts are guided between rails and pass beneath the grinding wheel. Controlled process and part program provide optimum performance.

1. Grinding parallel surfaces 1st side
2. Grinding tilted surface 1st side
3. Grinding parallel surfaces 2nd side
4. Grinding tilted surface 2nd side
5. Chamfer machining station



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Automation and unequaled productivity



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