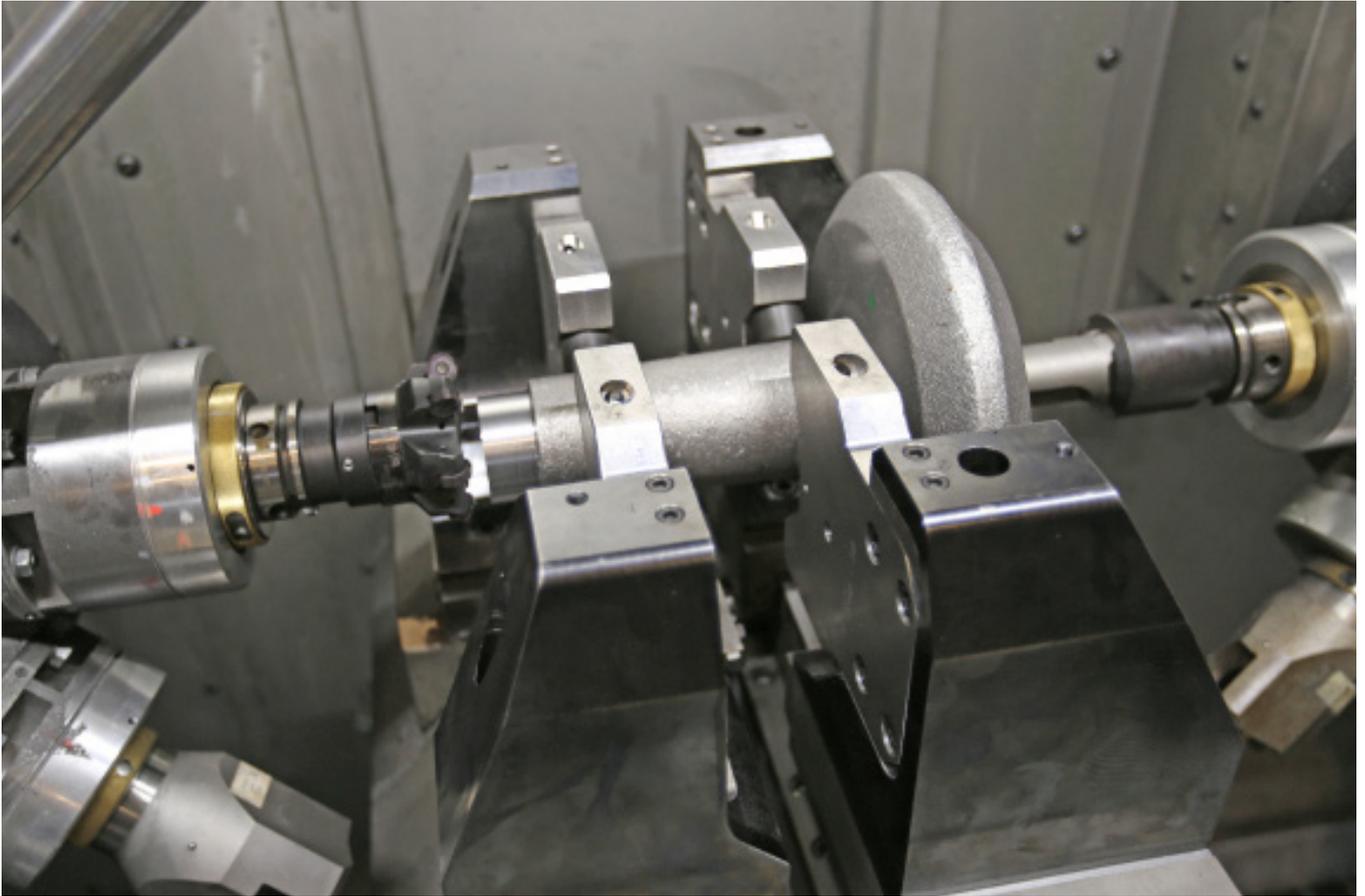


V300: Truck axle bevel gear Complete machining

- › Complete interlinking of 3 processing machines incl. measuring station, embossing station as well as interlinking to Spiral gear cutting machines from a single source
- › Concentricity of the workpieces after turning $\leq 10\mu$
- › Large drive spindle for roughing the workpieces
- › Finishing and gear hobbing of the splines in a single clamping, for high fitting accuracy of the gearing





Complete machining of truck bevel gears in an automated system

For the complete machining of the axle bevel gears, 3 machines are interlinked. After the unmachined parts are placed on the unmachined parts conveyor, the workpieces are picked up by the automation and cycled through the line.

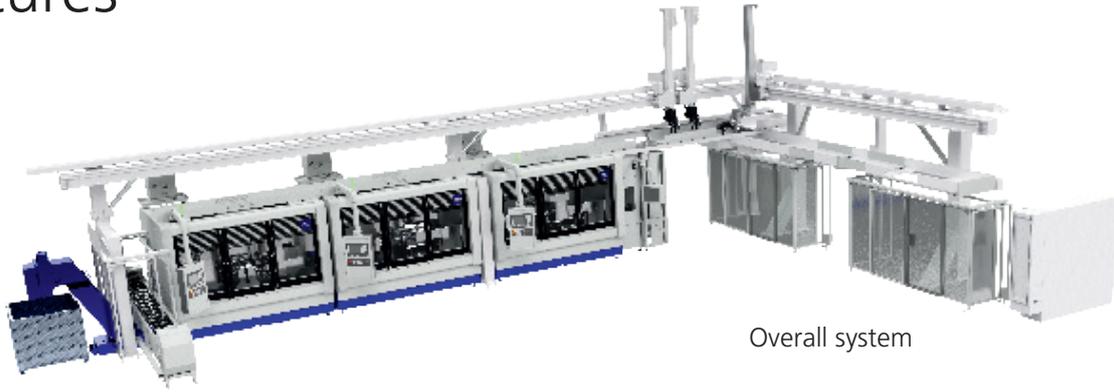
In Op10 the workpieces are cut to length and centered. Subsequently, in Op20, they are rough machined and the taper head is finished. The tang is then finished in Op30 and the splines are hobbled.

The workpieces are then sent to the measuring station for automatic measurement station for automatic dimensional correction. After measuring, the workpieces are stamped and placed on the spiral toothing machines.

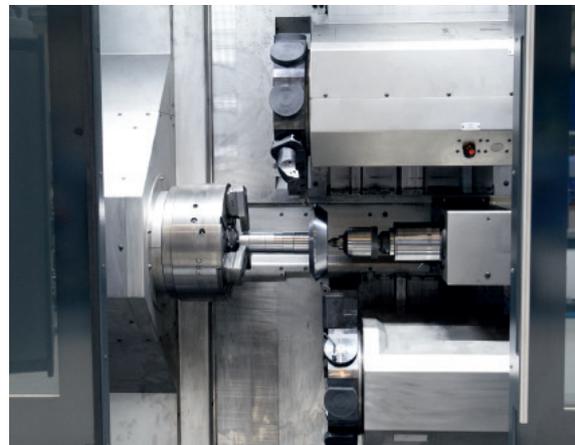
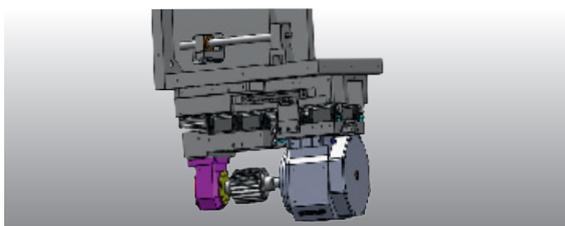
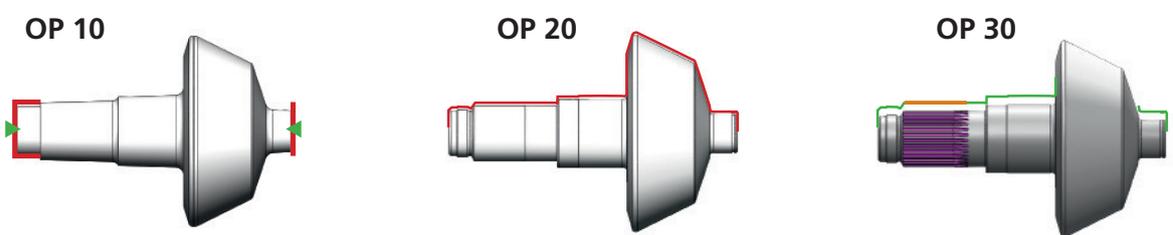
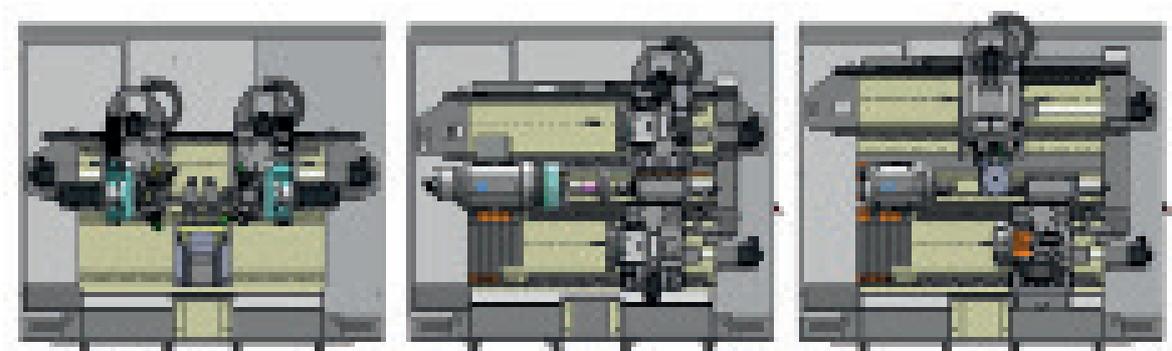
Workpieces

Length [mm]	180 - 400
Diameter [mm]	40 - 120
Weight [kg]	11
Cycle [min.]	3

Features



Workspace



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