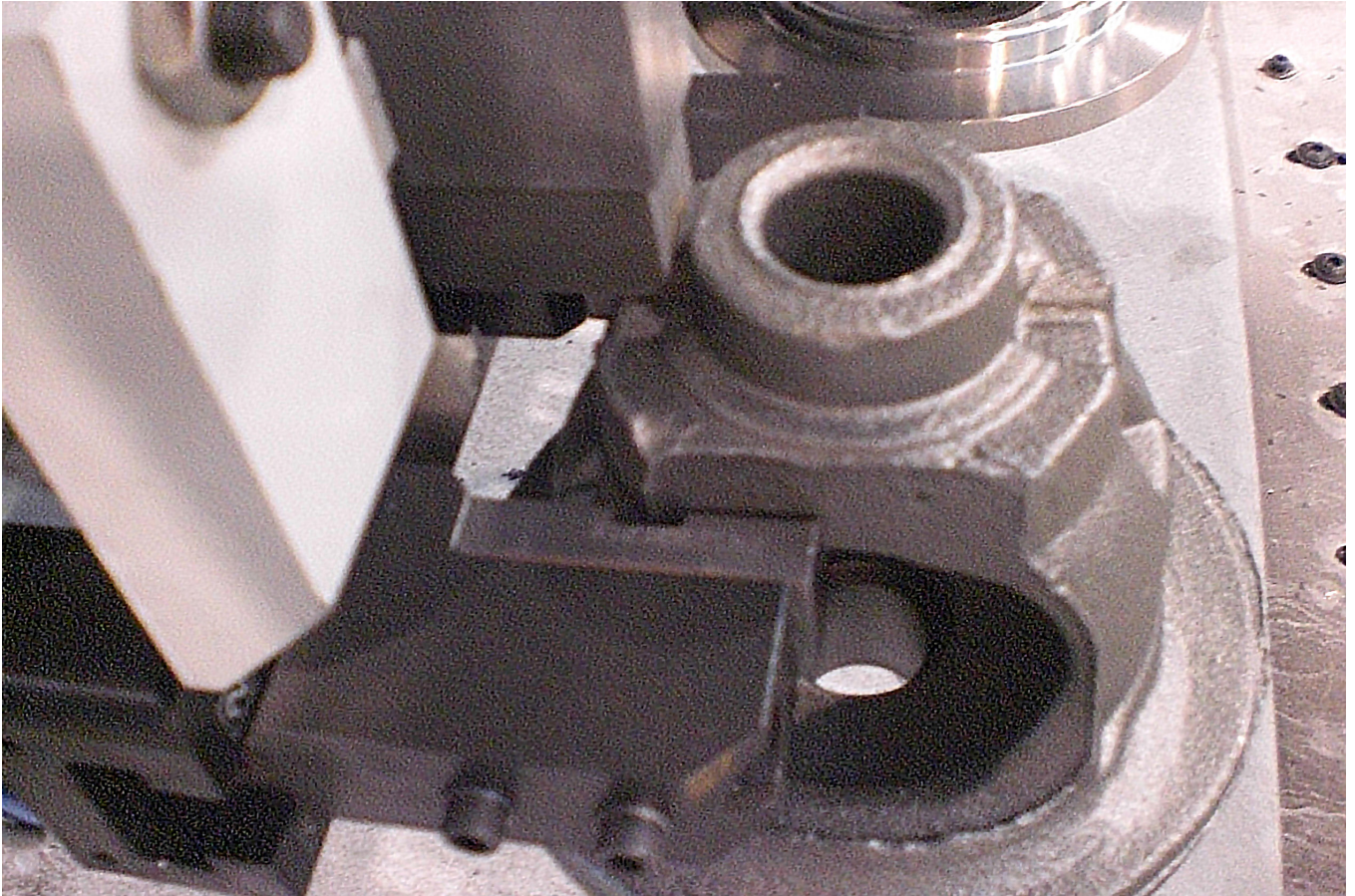


V300: Car Differential housing

Automated turning

- › Complete green machining of the differential housing
- › Cycle 28 sec.
- › High cutting values of $V_c=1000\text{m/min}$ $f=1,3\text{mm/rev}$ and cutting depths of up to 15mm ap
- › Short loading/unloading times due to H-loader of ≤ 12 sec.
- › Low space requirement per machine approx. 8m².





Green machining of passenger car differential housings in an automated system

Several passenger car differential housings are green machined on this plant. The cast blank is loaded into the machine from a friction roller conveyor by a gantry loader. There, housings are clamped between the centers and machined.

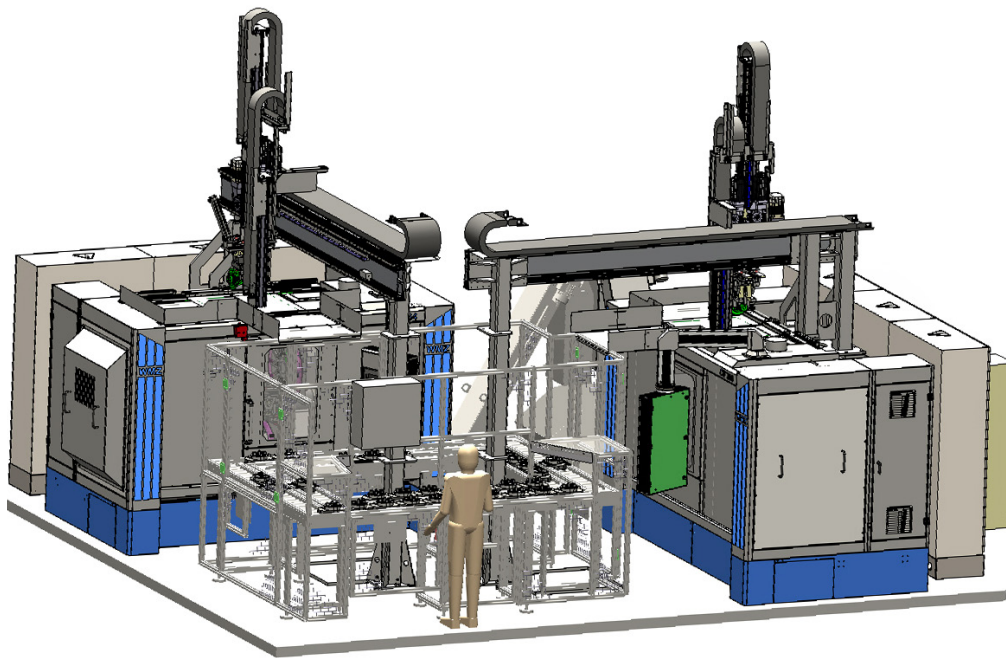
Due to the massive motor spindle with over 1000Nm and 120kW, cutting values of up to $V_c: 1000\text{m/min}$ $f=1.3\text{mm/rev}$ and cutting depth 15mm ap can be realized.

The cycle time of the machine is 28 sec.

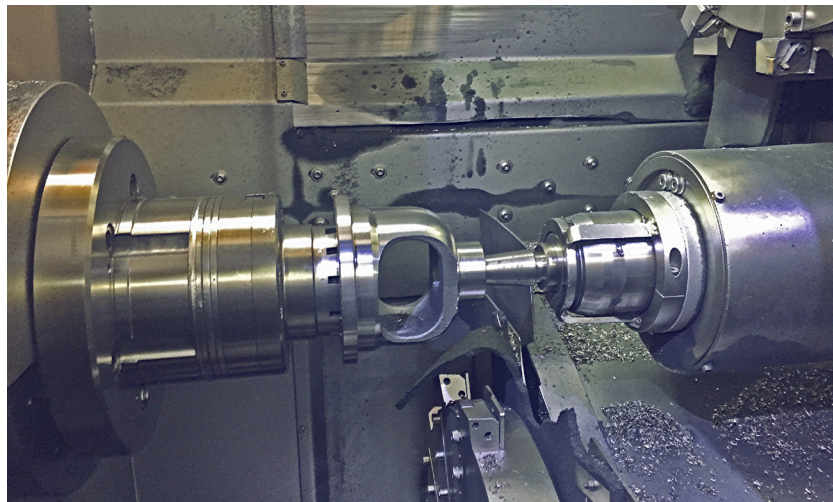
Workpieces

Length [mm]	180 mm
Diameter [mm]	220 mm
Weight [kg]	11 kg
Cycle [sec.]	28

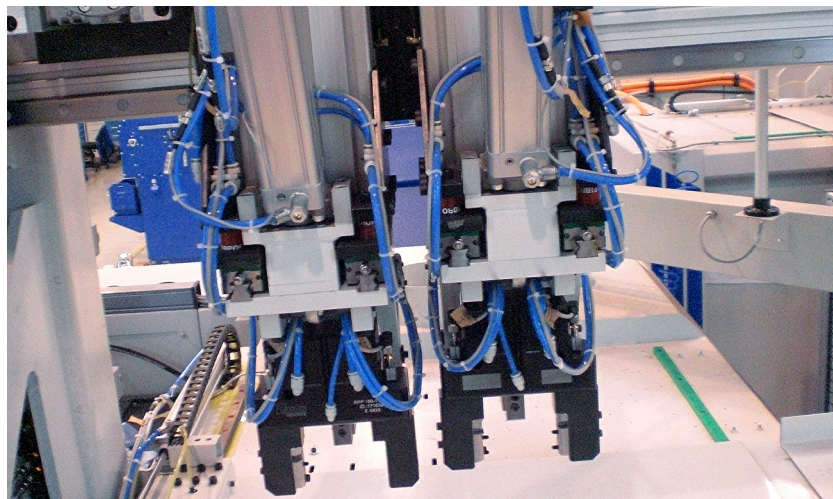
Features



Overall system



Workspace



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