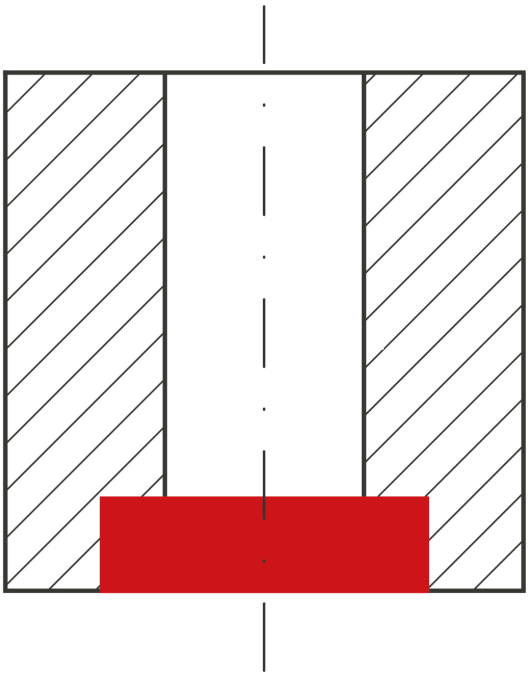
HEULE
PRECISION TOOLS



Wheel Knuckle

Automatic backspotfacing of bores on wheel knuckles



Customer application

A machine manufacturer was looking for a backspotfacing tool for the production of approximately 160,000 aluminium wheel knuckles per year. Requirements: short machining times and maximum process reliability. The task was to machine six bores of two different diameters per workpiece.



Solution

Since the customer had already been using the BSF backspotfacer reliably and successfully in other applications, the choice was quickly made. Machining is performed in a single setup without having to turn the workpiece.

Customer benefits

- Time-consuming re-clamping of the workpiece is eliminated, resulting in a savings of **2,700 production hours** per year
- **30% higher cutting speed** compared to alternative solutions
- Maximum process reliability and surface quality