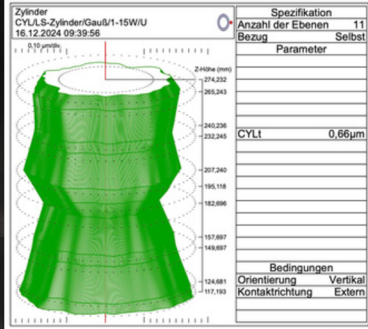
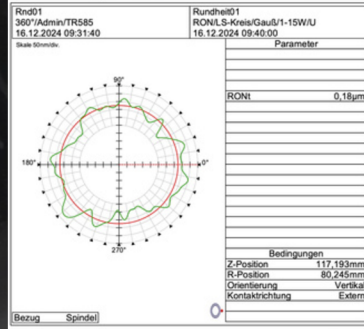


T⁺SCHUDIN

Tschudin offers centreless grinding machines that are renowned for pushing technological boundaries. The Tschudin Cube is the world's fastest and simplest CNC centreless grinder to set up, featuring patented innovations like the movable workrest axis (W-Axis) for efficient multi-part, rough and finish grinding in a single setup, as well as ultra-precise slides, digital servo drives, and programmable cooling. Their systems keep loading and unloading outside the grinding zone, boosting safety and enabling easy automation. Widely used by top hydraulic part manufacturers, parts ground on Tschudin machines can be seen below with impressive sub-micron accuracy results.



CYLt 0.66µm

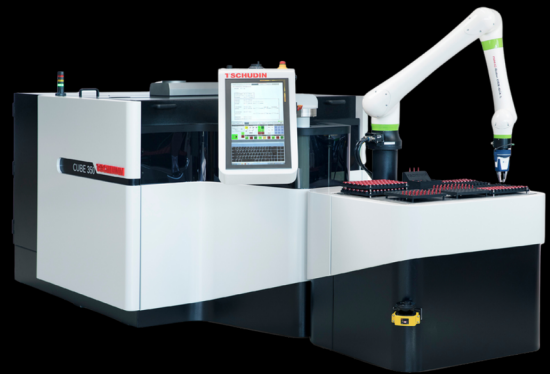


RONt 0.18µm

WATCH NOW



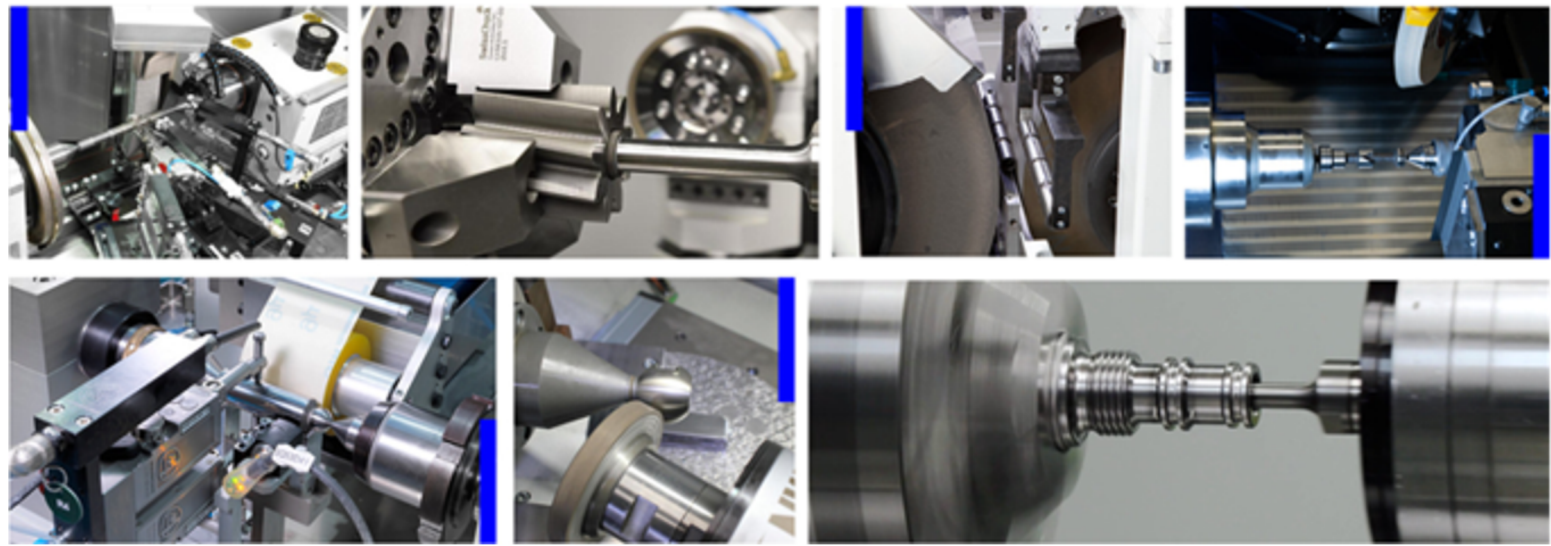
Krebs & Riedel grinding wheels deliver the precision, consistency, and surface quality demanded in hydraulic part manufacturing, ensuring ultra-tight tolerances on critical components. Their advanced formulations provide longer tool life and reduced cycle times, maximising productivity without compromising accuracy.





DANOBAT

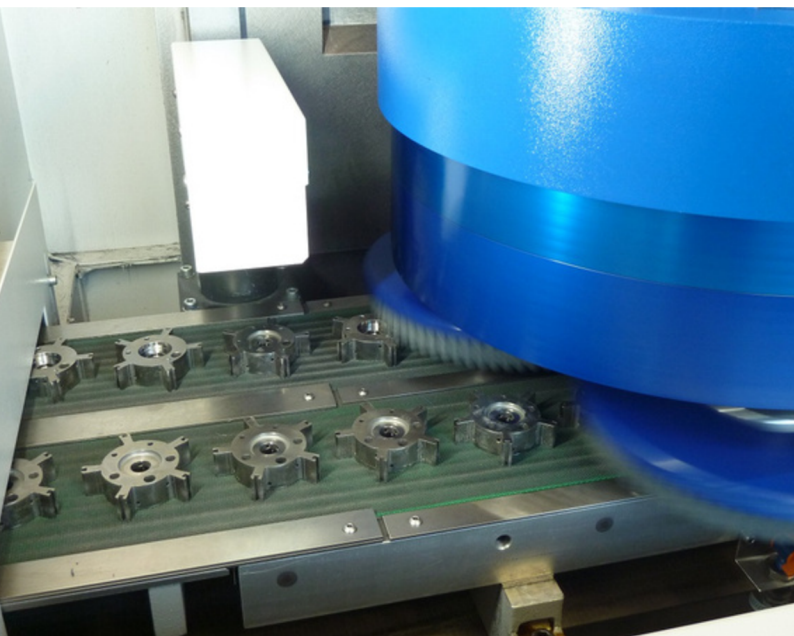
ADVANCED GRINDING
SOLUTIONS



DANOBAT provides advanced internal and external grinding machine solutions for hydraulic parts, achieving ultra-tight tolerances of 2–3 μm through grinding, hard turning, and hybrid technologies. From piston super-finishing and cylindrical grinding of shafts with Ra 0.2 surfaces, to internal grinding of slipper spheres and custom swash plate machines cutting cycle times by up to 45%, each process is optimised for precision and efficiency. Gear shafts benefit from one-clamp high-speed CBN grinding, gears from fully automated production lines, while spool and sleeve valves are finished with cylindrical, and IRD grinding to ensure perfect concentricity.



Gerber's brush honing and polishing machines use specialised nylon or natural fibre brushes with diamond paste for to polish surfaces and create consistent edge radii. They deburr, polish, and edge-round components on one or both sides with exceptional precision.



Comat high-quality filtration systems for metalworking oils and emulsion ensure $\leq 3 \mu\text{m}$ filtration quality for superior machining results. Their super-filtration technology extends oil, tool and machine life; enhances component precision, and reduces operating costs.



BETTER THAN NEW OIL



REDUCED MACHINE WEAR



SAVE MAINTENANCE COSTS



MATERIAL RECOVERY