



THIELENHAUS

+ SUPERFINISH INNOVATION

Shaft bearing and cam processing

PowerCUBE 400



Microfinish Task

Reduction of surface roughness

Microfinish Advantages

- Improvement of component durability
- Reduction of operating noise
- Reduction of energy requirements
- Extremely short cycle times
- Set up for double loading

Special Machine Features

Machining of workpieces on three (respectively five) stations of up to six finishing units by four or six autarkically driven workpiece spindles



Highest productivity with short table-turning-times

Up to six horizontally arranged workpiece spindles

Innovative and user-friendly touch-screen software



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PowerCUBE 400

- Superfinished component surfaces produce less friction thereby reducing wear and noise while improving durability and energy efficiency.
- Simple, reliable and cost-effective surface improvement method
- Machining of workpieces on 3 or 5 stations whereby the fully automatic loading and unloading takes place without any effect on main time
- Extremely short cycle times, also set up for double loading

TECHNICAL DATA

Basic configuration

Loading / unloading	3-axis handling with double-gripper and special pneumatic loader/unloader or jointed-arm robot
Plunge-cut machine or programmable longitudinal axis:	max. 400 mm travel
Detergent trolley with filter cartridge:	1 – 30 µ

Unit configuration

Unit types:	SL50, KG50, SL50-100M
No. of units per station:	max. 2 units with SL50, max. 3 with KG50

Machine data

Spindle rotation:	10 – 3,000 rpm
No. of spindles:	4 or 6
Freely programmable zones:	10 per spindle
No. of programs:	99
Max. workpiece length:	400 mm
Workpiece diameter:	4 – 50 mm
Weight:	approx. 1,500 kg

Power/air supply

Electric:	3 x 400 V, 50/60 Hz, 6 A, (L1, L2, L3, N, PE)
Pneumatic:	1 x 6 bar

