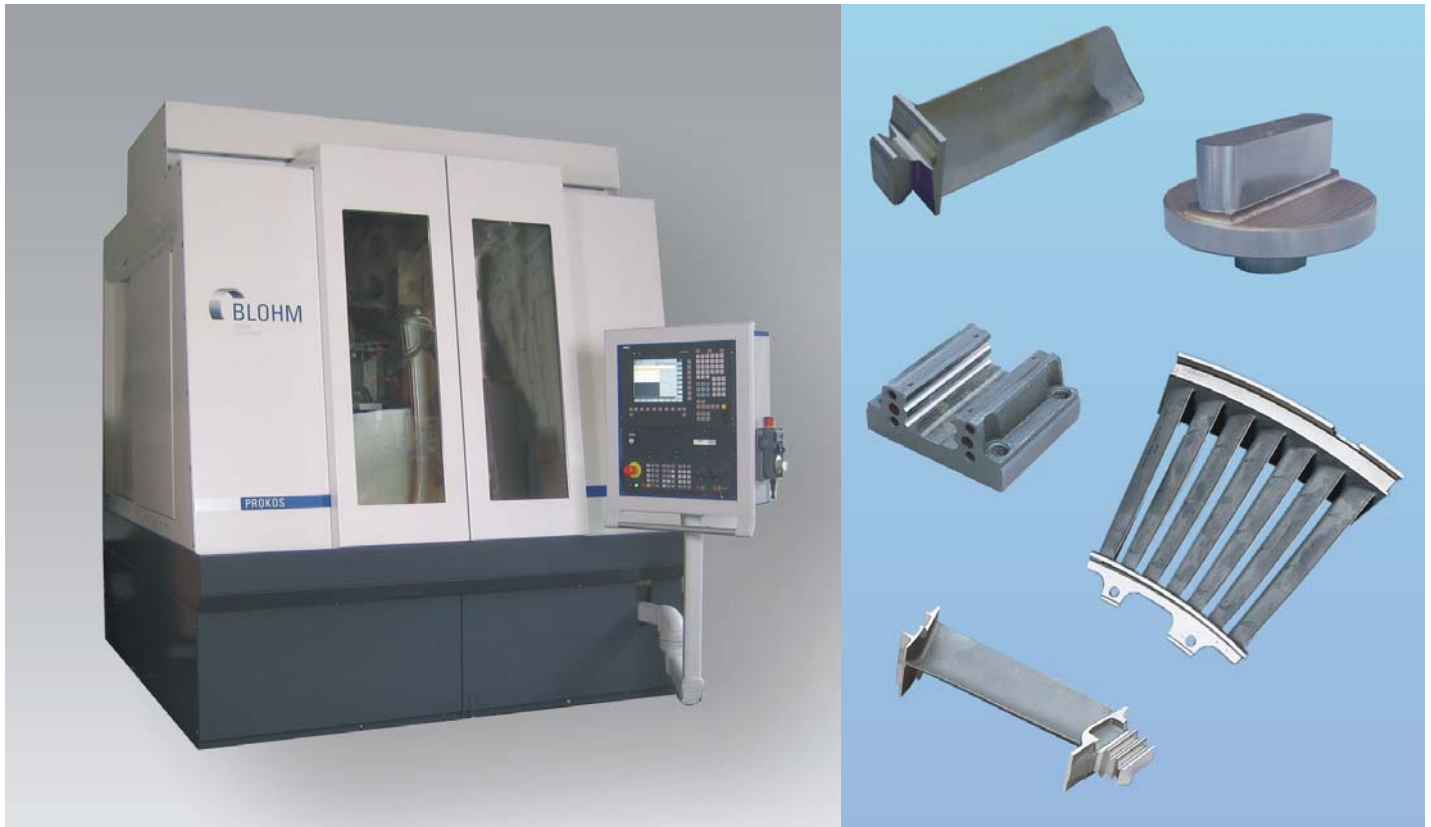


PROKOS

Increased productivity and cost reduction



The all-new BLOHM PROKOS redefines increased productivity and cost reduction for profile grinding applications.

Unique features include dynamic linear drives for both linear and rotary axes in combination with a high-speed spindle, allowing for operations to be performed at optimal levels.

An optional tool-changing system increases the flexibility of the PROKOS, allowing for complete machining of complex work pieces in one set-up by addressing grinding, milling and drilling operations.

The unique features of the BLOHM PROKOS offer solutions to a wide range of precision machining applications, addressing the needs of the turbine industry, machine tool industry and tooling industry – as well as the bearing industry.

Machine options

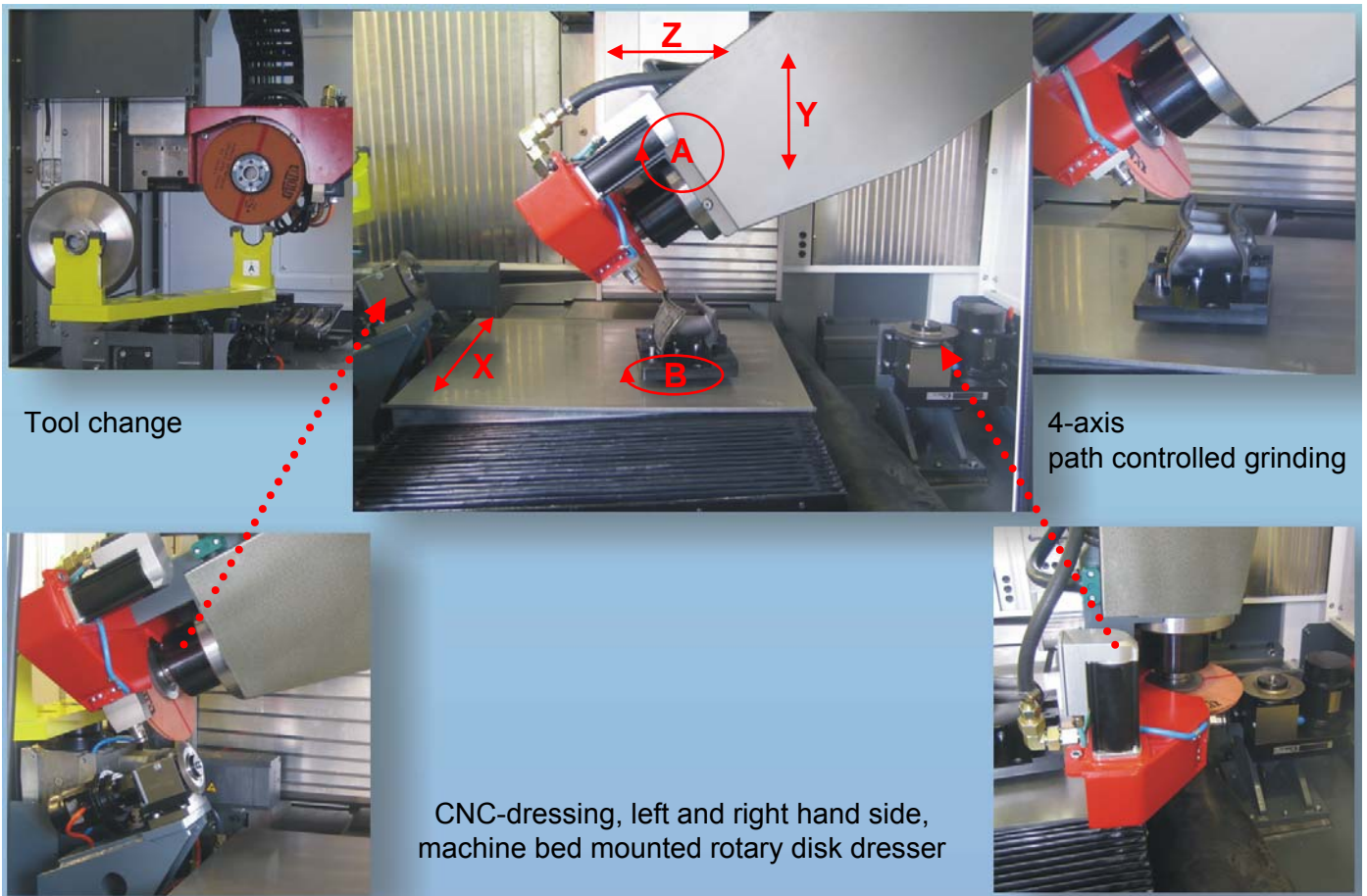
- NC indexing grinding spindle (A-axis)
- Torque motor driven NC indexing table (B-axis)
- Diamond roll or/ and disk dressing systems
- NC coolant nozzle positioning
- Oil or water coolant
- Grinding spindle drive up to 30 kW (40 HP)
- Spindle speed up to 12.000 RPM

Tool changer features

- 24 tool positions (12 with O.D. 300 mm)
- HSK 63 holder
- tool change within 15 seconds

Suitable for all types of abrasives

- Conventional abrasives
- Vitrified CBN
- Plated CBN
- Mill & drill applications



CNC-dressing, left and right hand side,
machine bed mounted rotary disk dresser

PROKOS		3 A	4 A	5 A
Part size, WxLxH	mm	300 x 300 x 300		
X-axis, machine table	mm	450		
Feed rate	mm/min	120.000		
Y-axis, wheel head vertical travel	mm	400		
Feed rate	mm/min	10.000		
Z-axis, wheel head cross travel	mm	900		
Feed rate	mm/min	50.000		
Grinding spindle drive, AC motor, var. speed	kW/ rpm	30/ 3.000	30/ 2.600	
n_{max}	rpm	8.000	12.000	
A-axis, tilting grinding spindle	deg		110	110
Indexing speed	rpm		20	20
B-axis, table mounted indexer	deg			∞
Indexing speed	rpm			200
Grinding wheel max. DxWxB, max.	mm	300 x 35 x 76,2		
Machine size, width x depth x height	mm	2.200 x 3.400 x 2.700		
Weight (Machine without el. cabinet)	Kg	9.600		

Subject to technical alterations



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