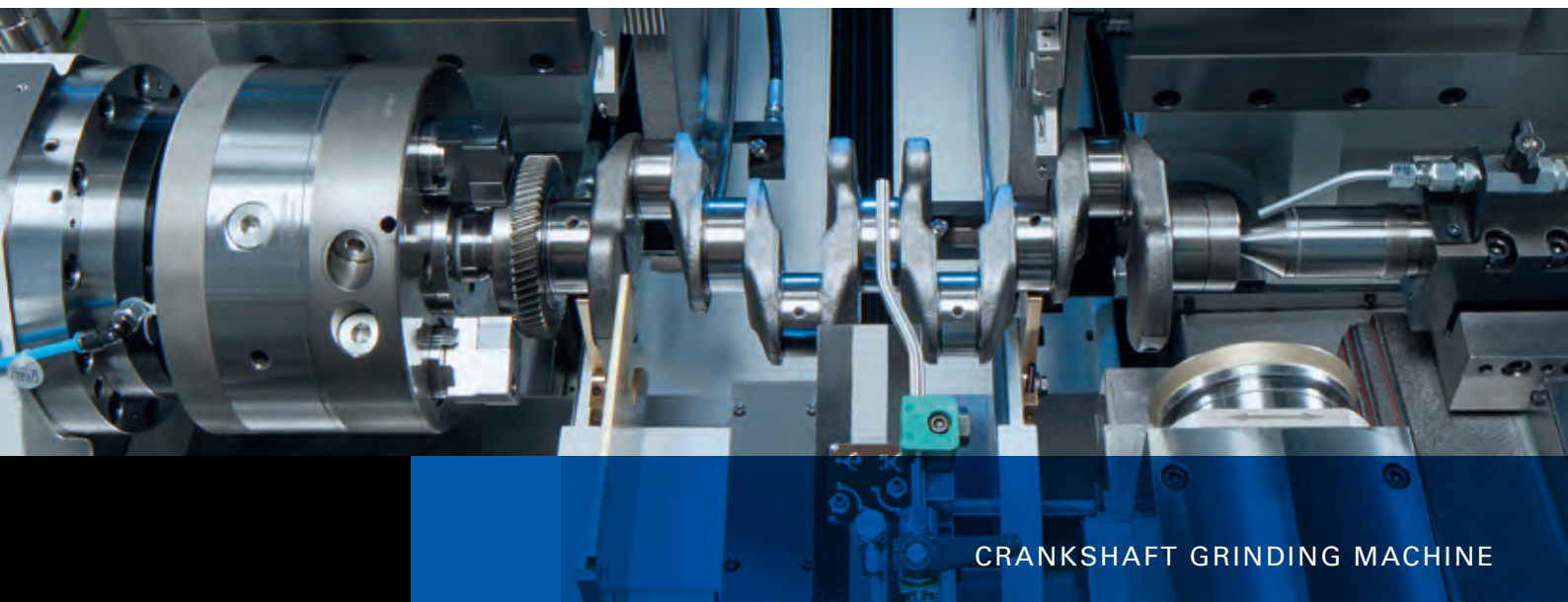


PM 2 / PMD 2

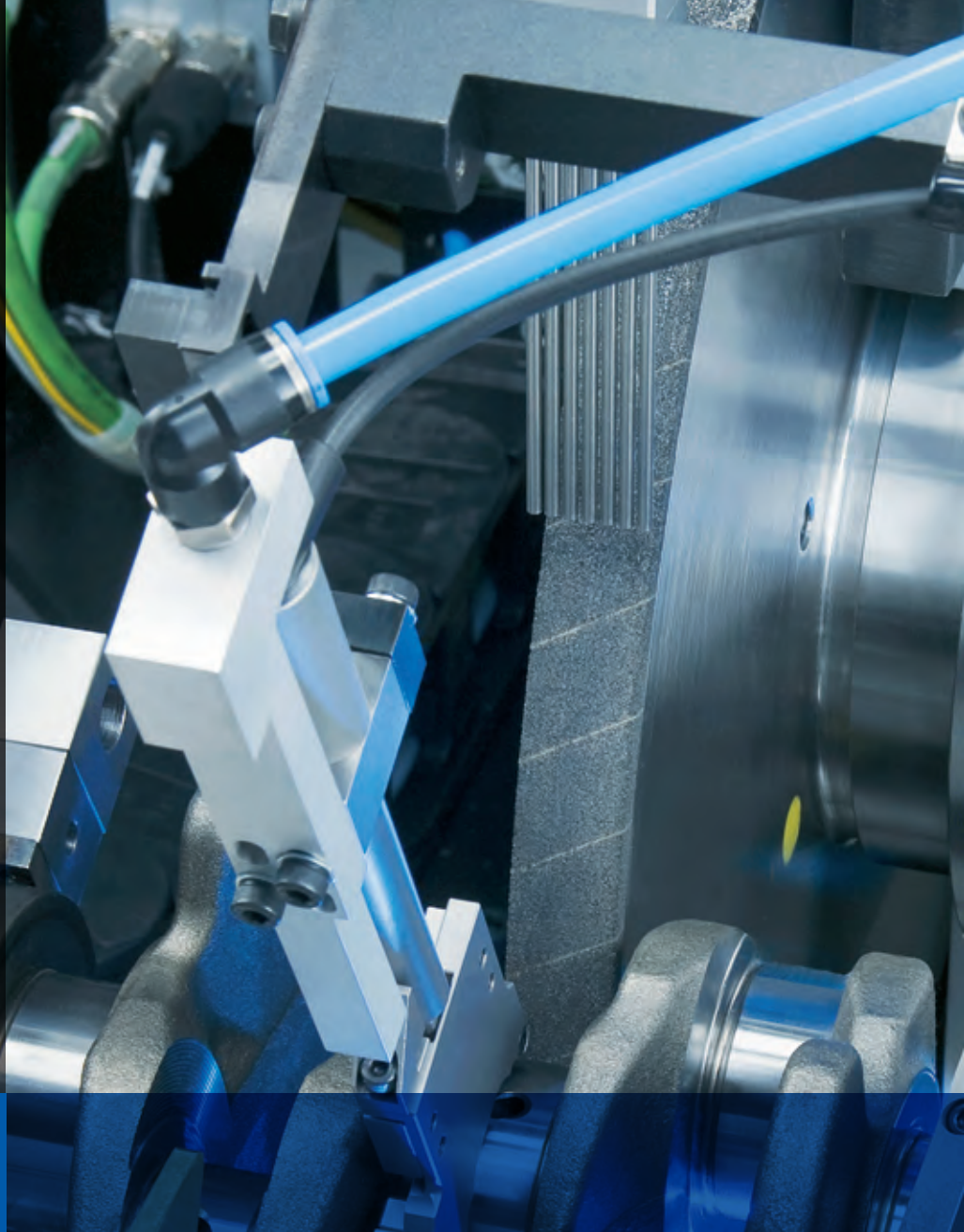


CRANKSHAFT GRINDING MACHINE

PM 2 / PMD 2 grinding machines for machining crankshafts up to 700 mm in length. These machines combine high-tech grinding, accuracy and reliability with ease of operation and high performance. They are the optimal grinding machines for modern crankshaft production.

- + The PM 2 is equipped with a single headstock**
- + The PMD 2 is equipped with two headstocks**

PM 2 / PMD 2





Benefits of the PM 2 / PMD 2

- + In-process diameter measurement for maximum precision
- + Roundness testing in the machine
- + Linear motor and hydrostatic guideway in X-axis.
- + Direct workpiece drive via motor spindle
- + Automatic workpiece clamping system via hydraulic clamping chuck
- + Automatic, self-centering steady rest
- + Quick radial positioning via hydraulic prisms
- + CBN grinding wheels

POWER

Cost-Efficient Part Production

Standard features include 30 kW motor spindles for the grinding wheels and a workpiece head with a direct drive unit as well as a stable tailstock and a linear motor for the X-axis. Emulsion or oil can be used as cutting fluid for the grinding process. Thanks to the integrated oscillating stroke technology, lifting and center bearings can be ground in a single clamping operation.

PM 2 / PMD 2

Available Options:

- + Electronic axial / radial alignment
- + B-axis for additional grinding spindles / wheels



TECHNICAL DATA

Workpiece

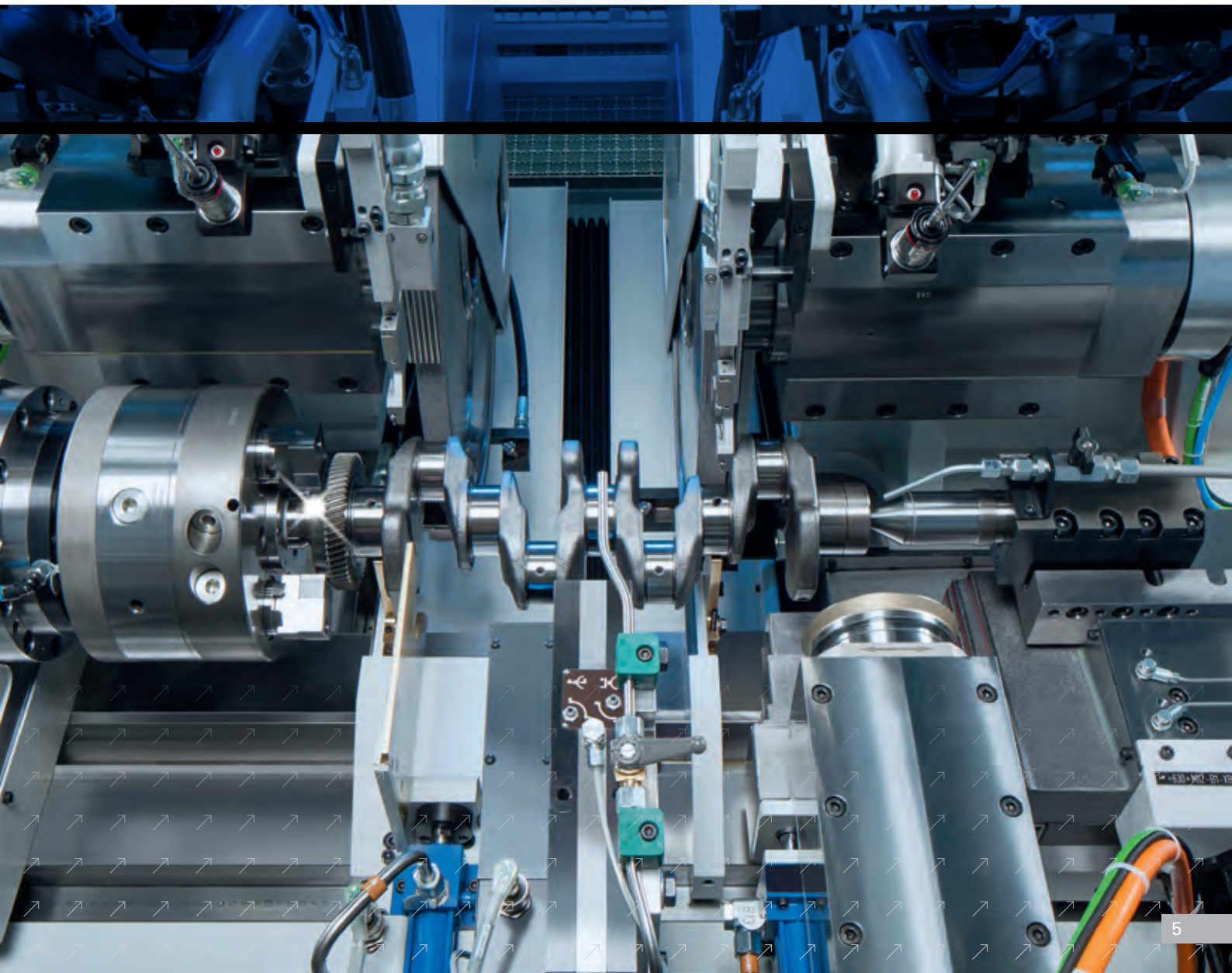
» Grinding length / workpiece length	700 mm	27.5 inch
» Workpiece weight	50 kg	110 lbs
» Oscillation circuit	200 mm	8 inch
» Rapid-traverse rate X- / Z-axis	30 / 30 m/min	1,181 / 1,181 ipm

Grinding headstock

» Wheel diameter	550 mm	21.5 inch
» Spindle capacity	30 (40) kW	40 (54) hp
» Peripheral surface speed	125 (200) m/s	410 (656) ft/s
» X-axis	Hydrostatic guideway and linear motor	

Control system

SIEMENS SINUMERIK 840 D solution line



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