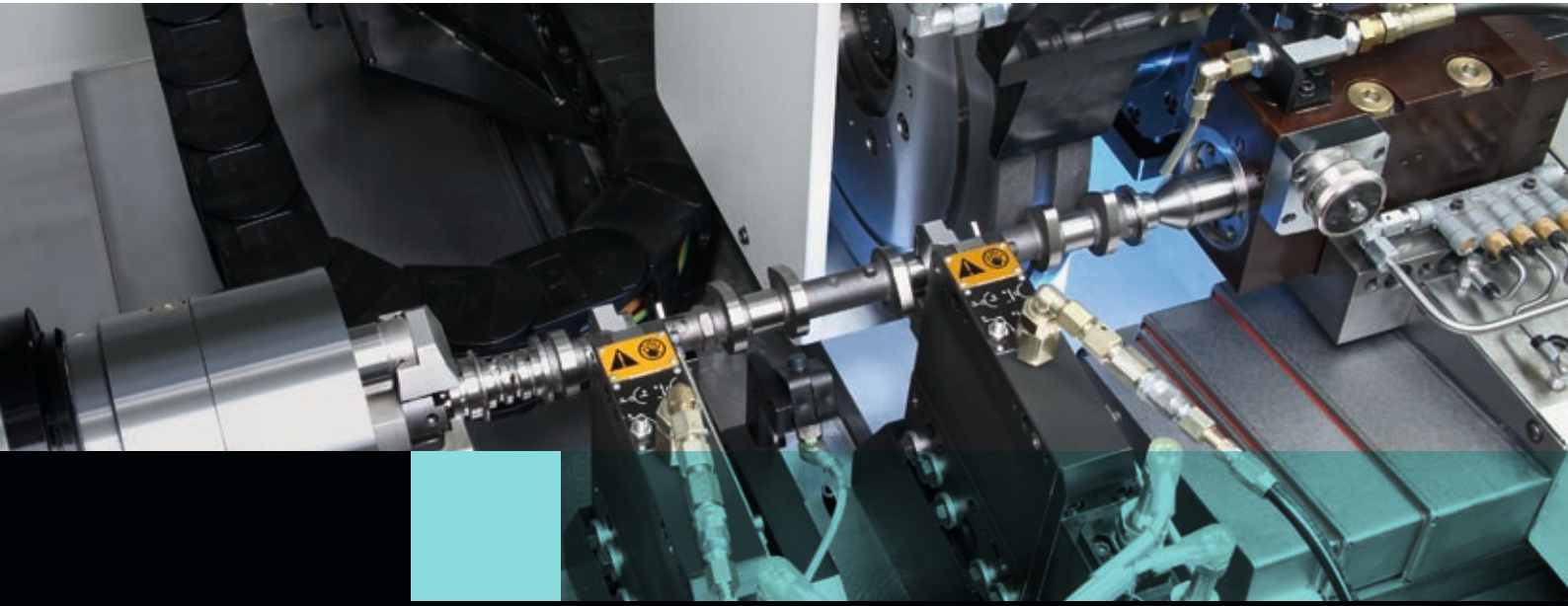


Camshaft Grinders

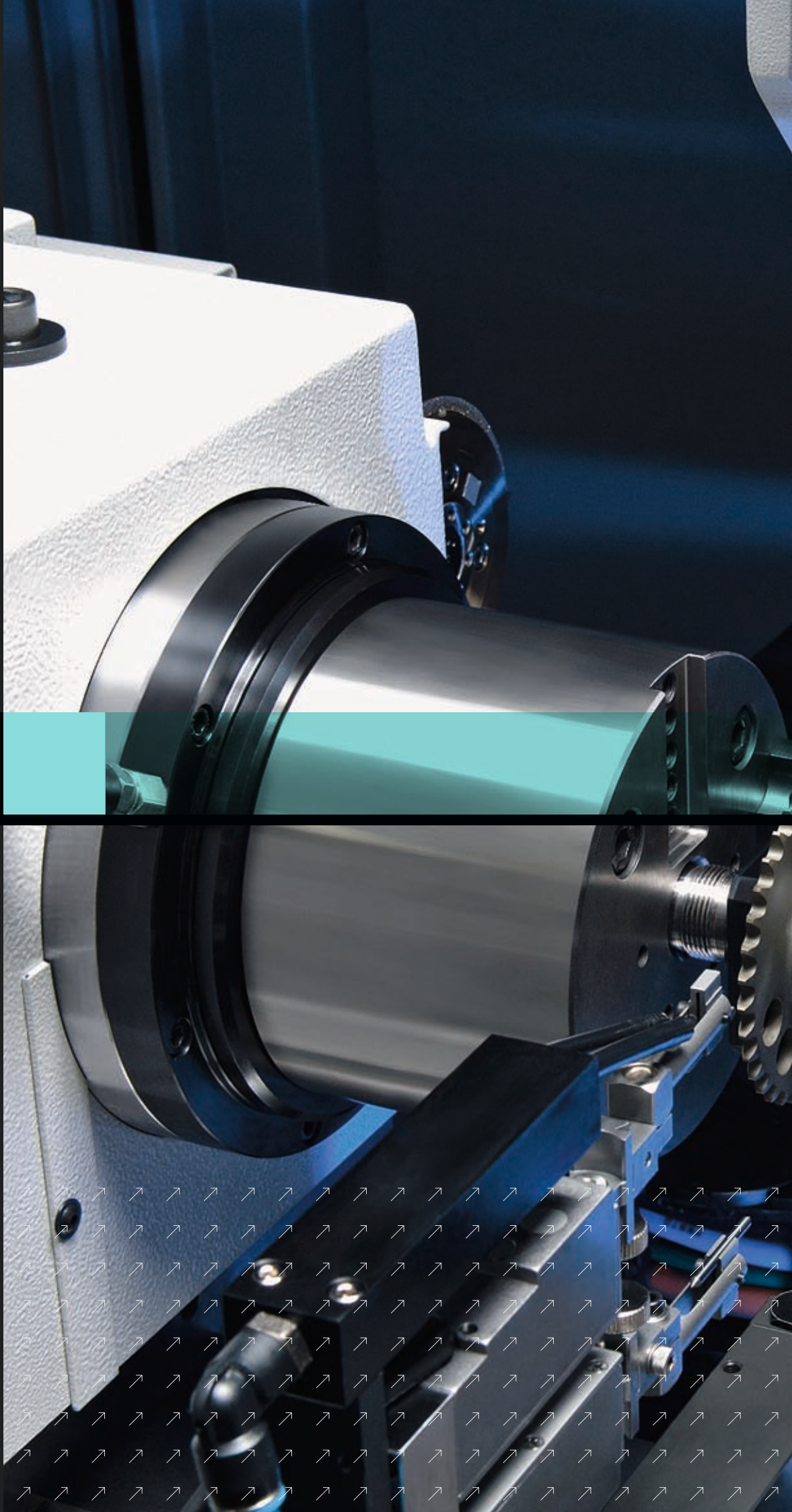
SN 204

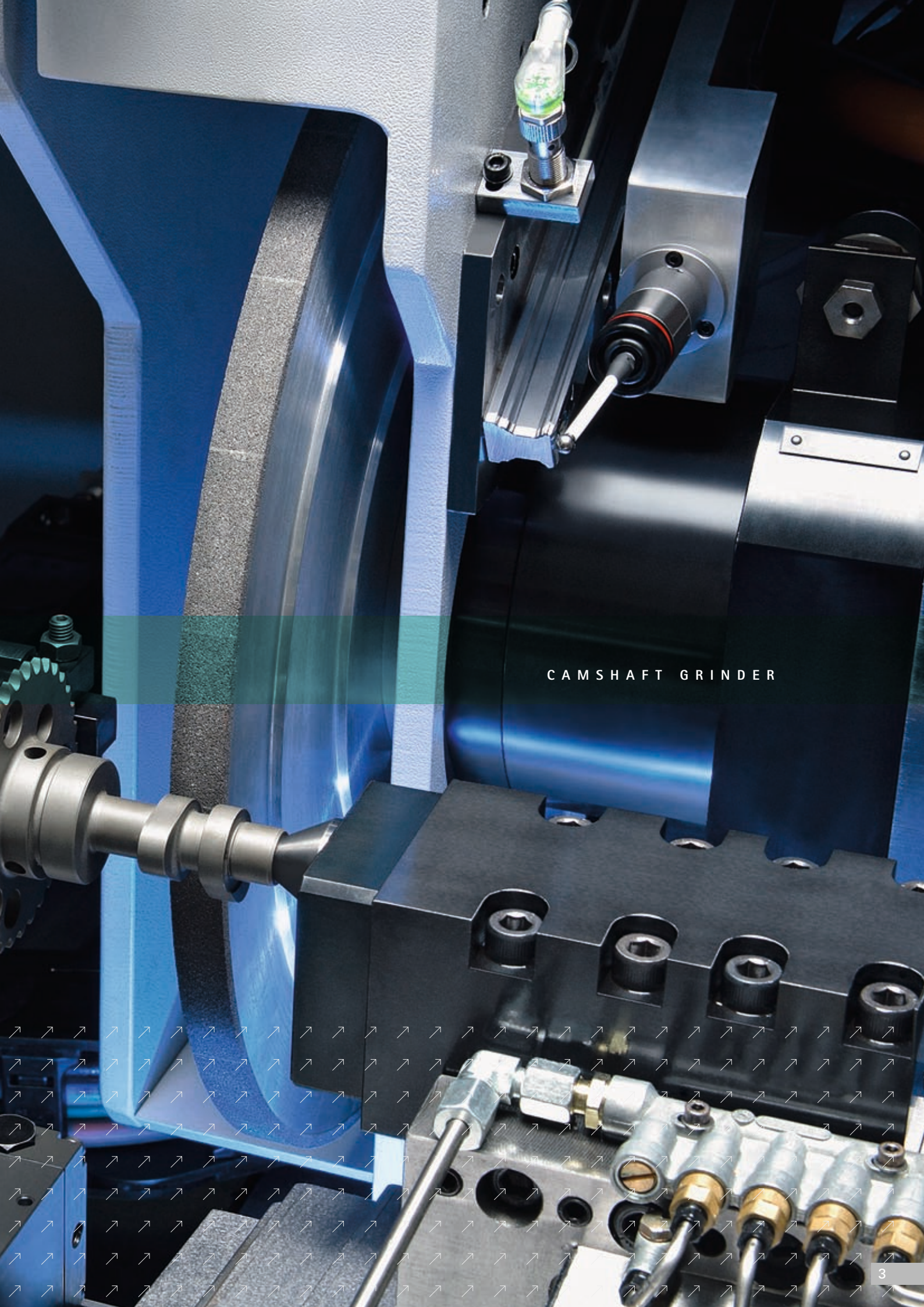
SN 208



The KOPP SN series of machines offers the best manufacturing solution for the out-of-round grinding of camshafts and external contours.

S N 2 0 4
S N 2 0 8





CAMSHAFT GRINDER

High performance grinding of camshafts and external contours.

The modular machine systems SN 204 and SN 208 permit the configuration of a large number of variants to suit individual production requirements.

All modern grinding technologies can be realised.

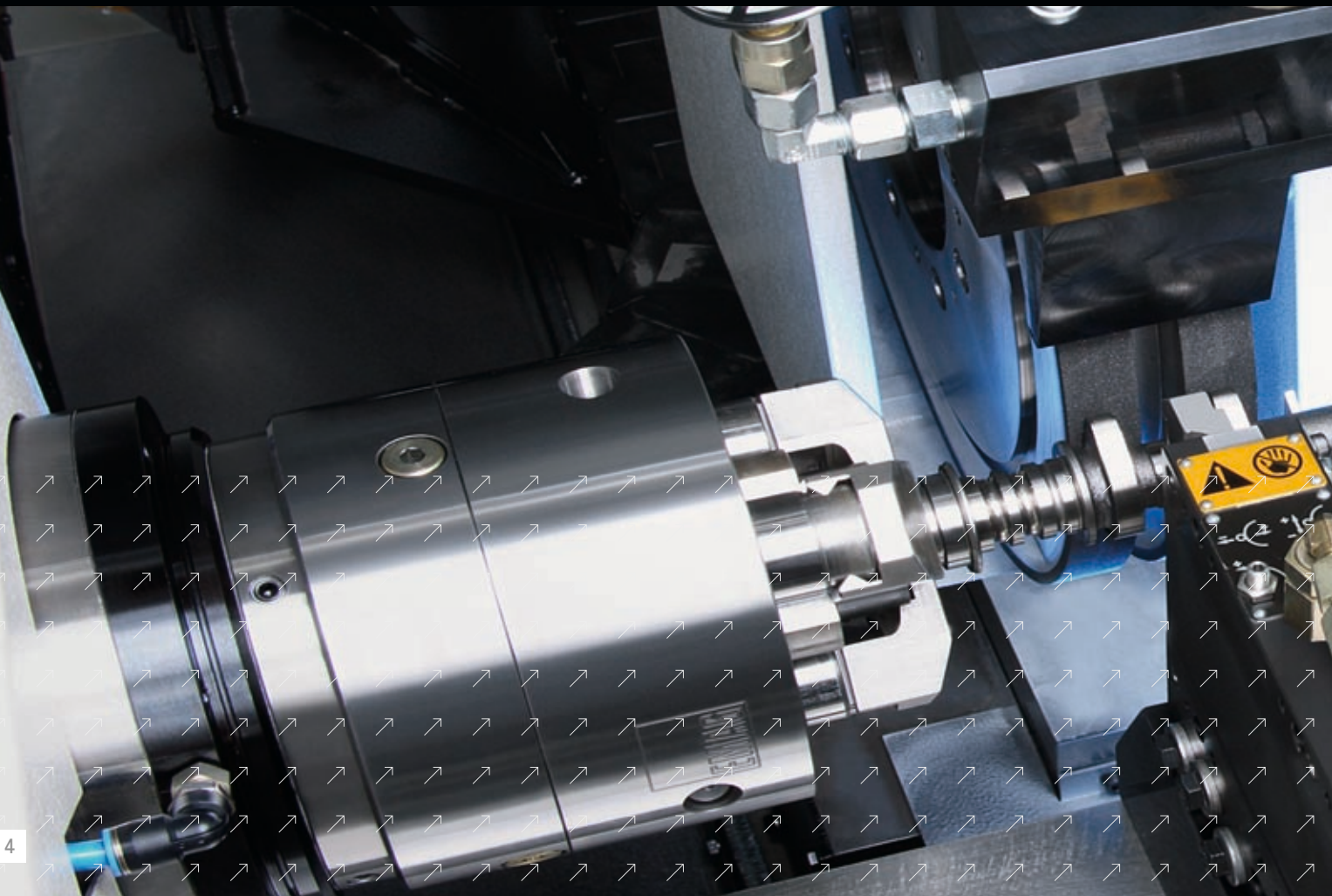
The machine can be equipped with one, two or three grinding wheels for external out-of-round machining and/or cylindrical grinding.

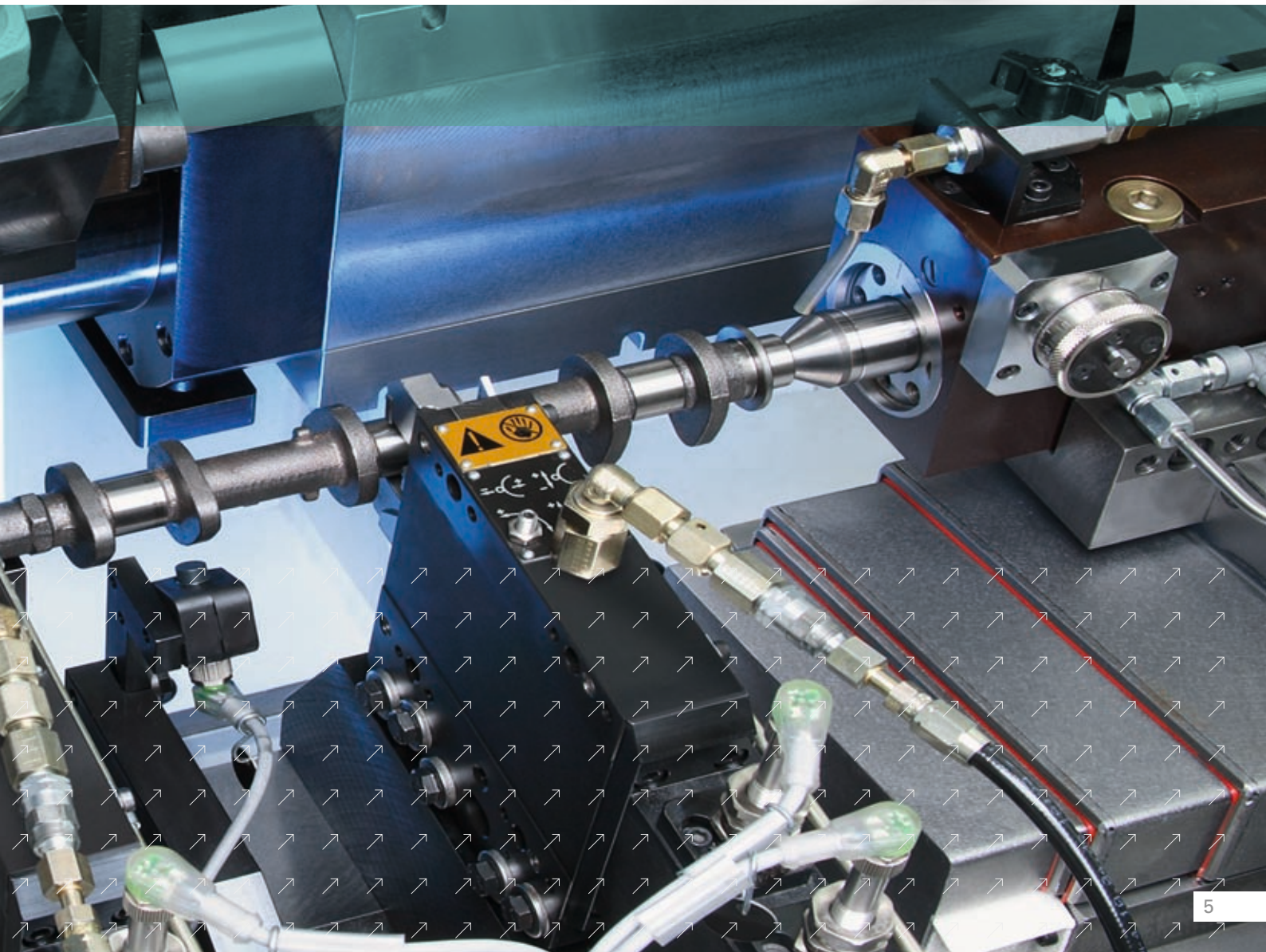
An X-axis equipped with hydro-static ball screw drive and hydro-static guideway guarantees the most accurate grinding result.

The compound table design reduces the footprint. The machine is able to grind cams with cylindrical or conical tracks, cams with concave radii or cams with chamfers. Typical applications include camshafts for passenger car and motorcycle engines, camshafts for injection pumps, eccentric shafts, external polygons and external cams for textile and packaging machines.

Machining area SN 204: cams ground in pairs

SN 204
SN 208



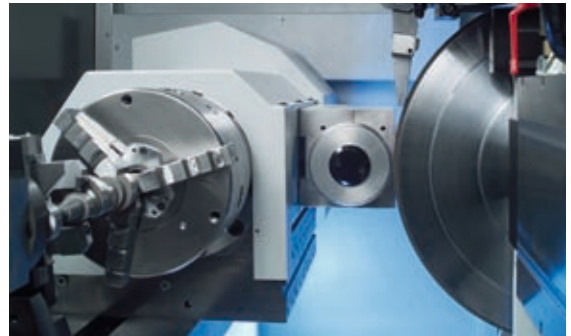


The modular system.

The modular system includes different sizes of grinding spindles, post- and in-process measuring devices, dressing attachments for CBN and corundum wheels, touch-recognition during grinding and dressing, workholding units and chucks of different sizes.

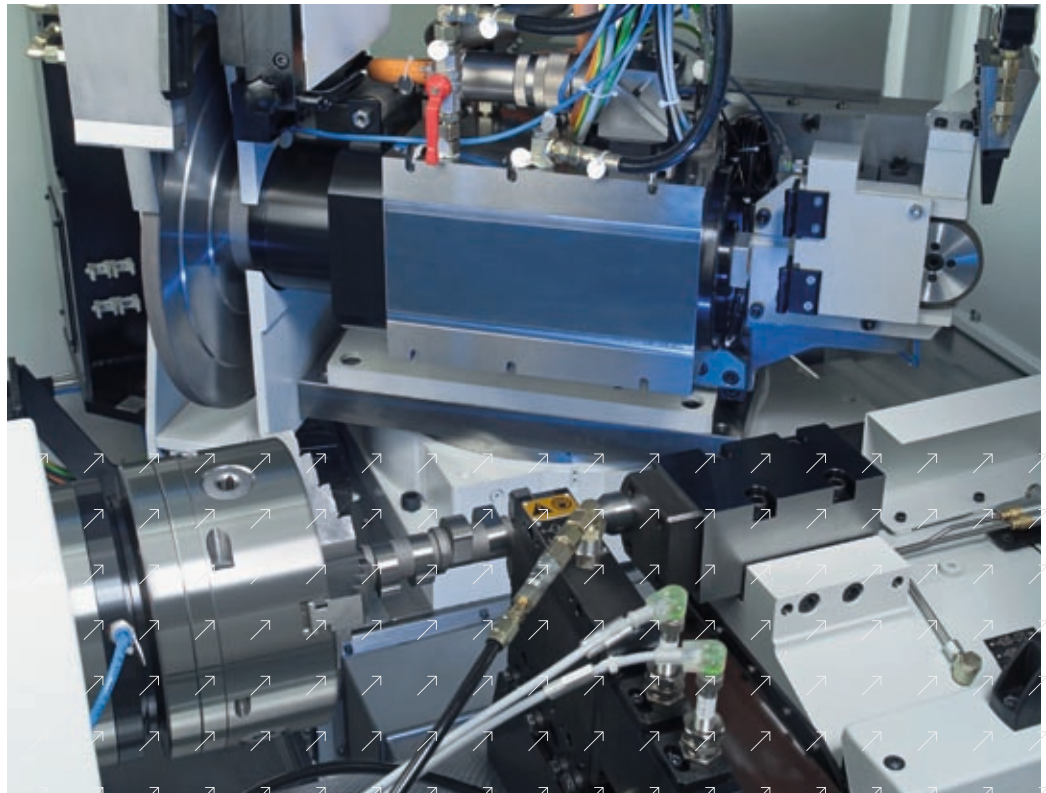
The equipment on offer is complemented by environmentally friendly coolant processing plants and exhaust systems. Workpieces are loaded and unloaded by means of an automatic workhandling system with internal or external gantry loader or, alternatively, by a robot.

Dressing a ceramic bonded CBN grinding wheel with a live diamond wheel

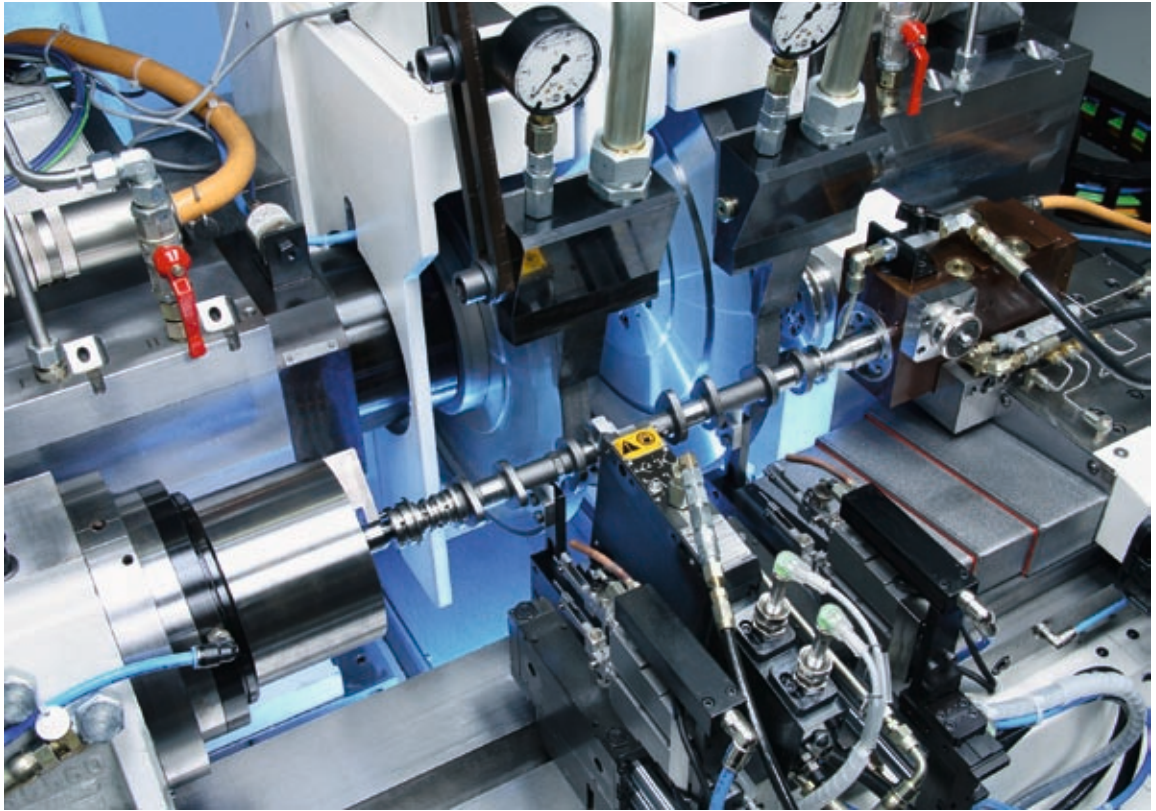


S N 2 0 4
S N 2 0 8

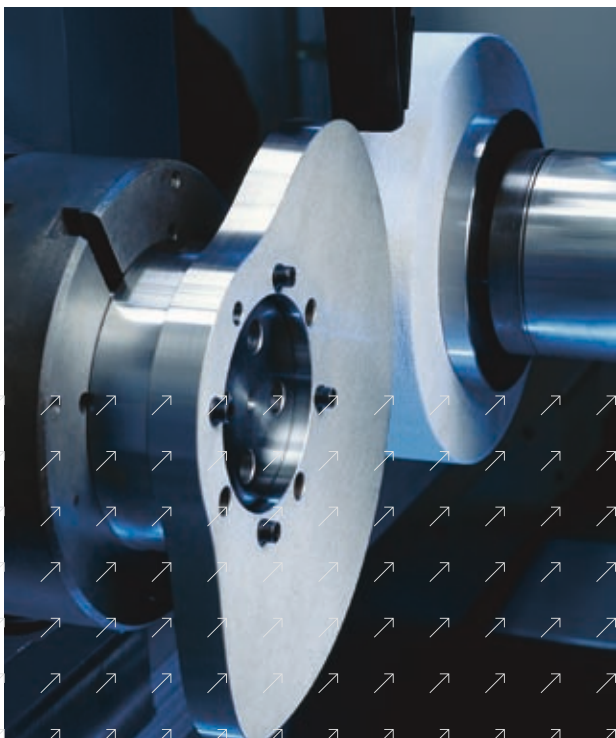
Swivel axis and two grinding units with CBN wheels



SN 208 equipped with two slides for simultaneous grinding operations.



Grinding a radial cam for textile machines

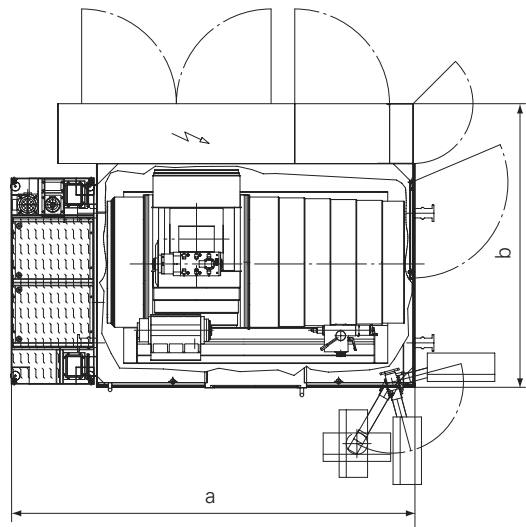
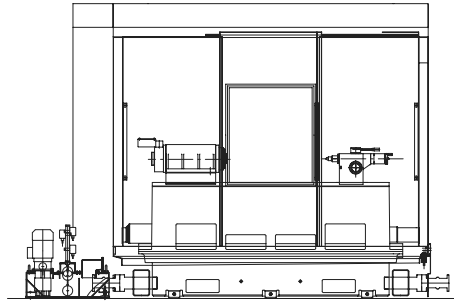
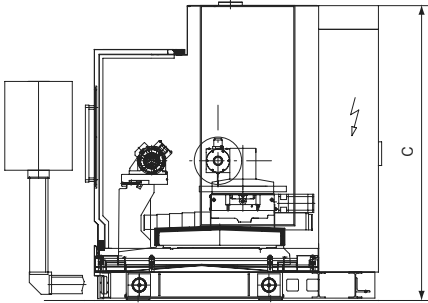


Polygon grinding



Technical data.

Capacity		SN 204	SN 208
max. workpiece diameter	mm	380	380
max. workpiece length	mm	600	1,200
Grinding wheel unit for CBN grinding			
max. grinding wheel dia.	mm	500	500
Motor spindle power rating	kW	30	30
max. spindle speed	rpm	7,200	7,200
Grinding wheel unit for corundum grinding			
max. grinding wheel dia.	mm	610	610
Motor spindle power rating	kW	15	15
max. spindle speed	rpm	4,000	4,000
Feeds and speeds			
X-axis travel	mm	360	360
Z-axis travel	mm	1,000	1,600
X- and Z-axis speed	m/min	30 / 30	30 / 30
Work head with motor spindle			
Torque	Nm	95	95
Spindle speed range	rpm	1 - 1,000	1 - 1,000
Reception bore	KK	5	5
Weights and measurements			
Length (a)	mm	3,410	4,550
Width (b)	mm	2,400	2,400
Height (c)	mm	2,490	2,490
Weight	approx. kg	11,000	14,000



Subject to technical changes

Auf der ganzen Welt zu Hause.

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