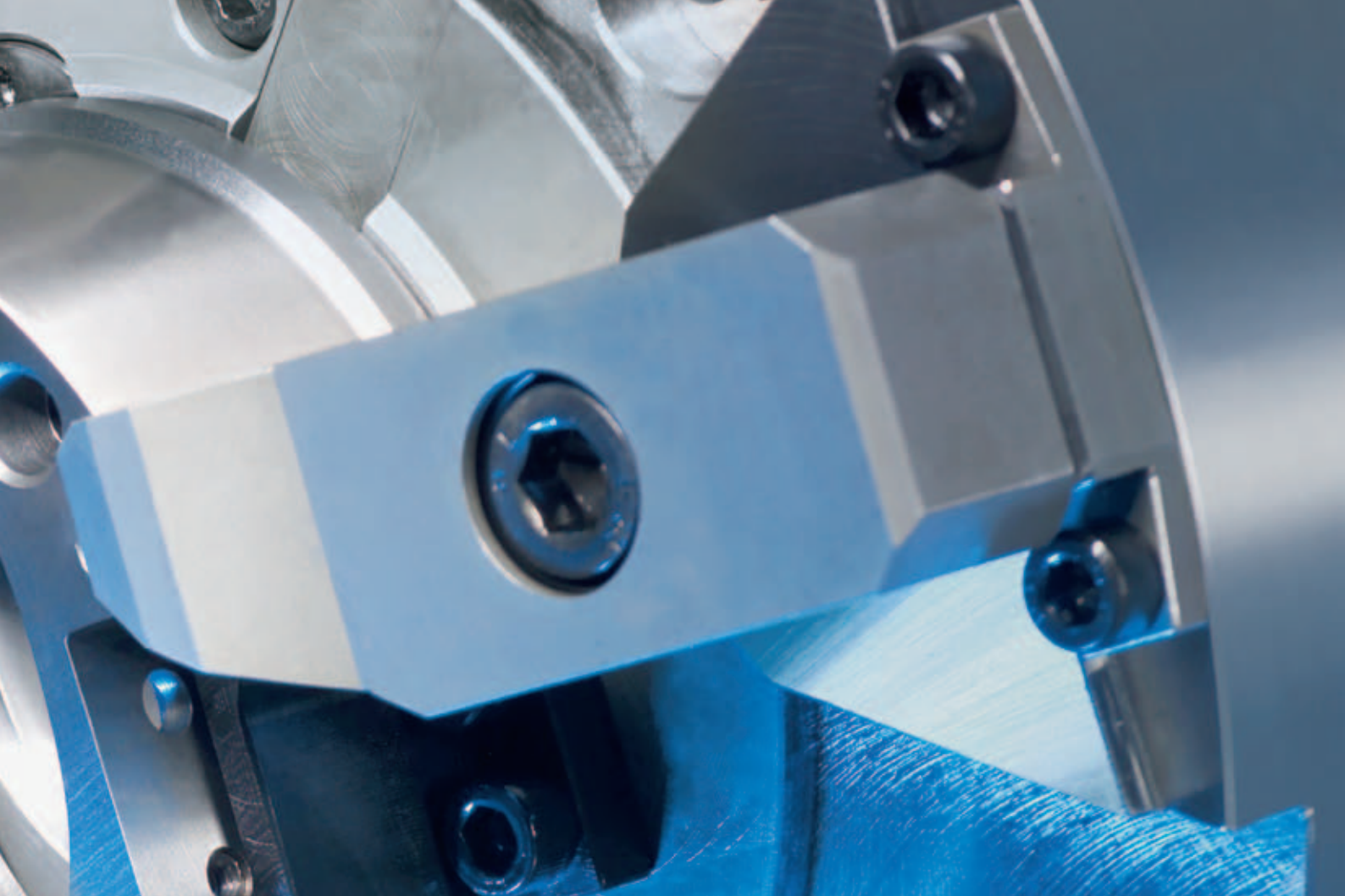


Cam Grinder SK 204

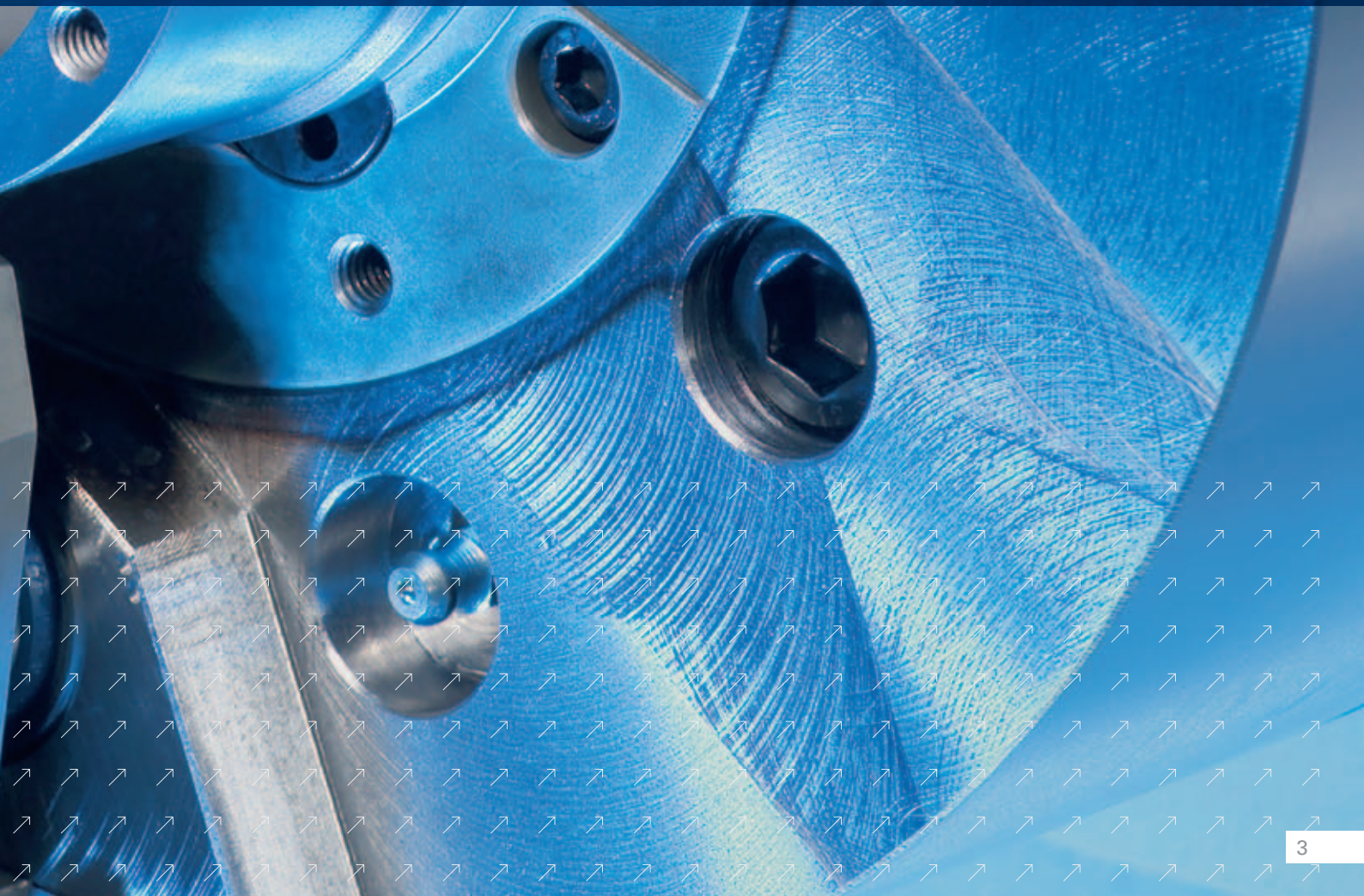


The SK 204 is EMAG's modular machine system for the grinding of cams. The SK 204 offers solutions for the internal and external out-of-round grinding of cams – from one-offs to large batch production grinding.

S K 2 0 4



CAM GRINDER





S K 204

High performance grinding of
internal and external contours.





The SK 204 modular machine system allows for the configuration of a large number of variants in order to accommodate individual production requirements. All modern grinding technologies can be realized with this machine. The machine can be equipped with different sizes of one, two or more grinding spindles for external and/or internal machining.

The available modules include dressing attachments for CBN and corundum wheels, touch-recognition during grinding and dressing, and workholding units.

Workpieces are loaded and unloaded with an automatic workhandling system which includes a gantry loader and robots. This equipment is complemented by environmentally friendly coolant processing plants and exhaust systems.

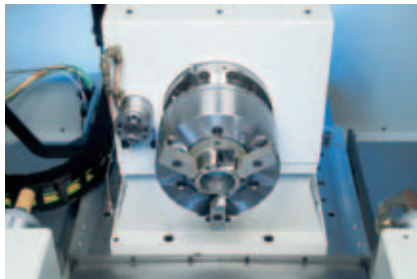
The objective is to produce quality components.



SK 204 machining area
Grinding a radial cam

S K 2 0 4

SK 204 machining area
Work head with
dressing spindle



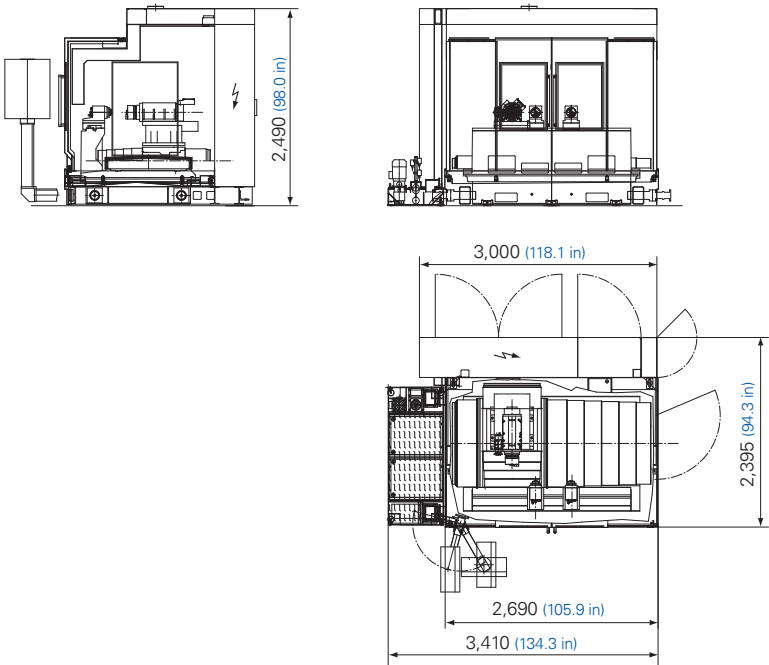
Typical applications for the SK 204 Cam Grinder include the pre- and finish grinding of cam rings for vane and injection pumps and the grinding of external and internal polygons. The interpolation of C- and X-axis, axial grinding wheel oscillation with the Z-axis, the dressing of pre- and finish-grinding wheels with a diamond wheel ... all these are processes that offer outstanding grinding results.

Technical Data.

Capacity		SK 204	
Workpiece diameter max.	mm	250	
	in	9.8	
Workpiece length, max.	mm	100	
	in	3.9	
Grinding wheels			
Grinding wheel dia., max.	mm	250	
	in	9.8	
Feeds and speeds			
X-axis travel	mm	1,000	
	in	39.4	
Z-axis travel	mm	360	
	in	14.2	
X- and Z-axis speed	m/min	30 / 30	
	ipm	1,181 / 1,181	
Work head with motor spindle			
Torque	Nm	95	
	ft-lb	70	
Speed range	rpm	1 – 1,000	
Receptor	KK	5	
Dimensions and weights			
Length	mm	3,410	
	in	134.3	
Width	mm	2,400	
	in	94.5	
Height	mm	2,490	
	in	98.0	
Weight	approx. kg	11,000	
	approx. lb	24,251	

Floor plan SK 204

Dimensions in mm



Subject to technical changes

At home in the world.

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