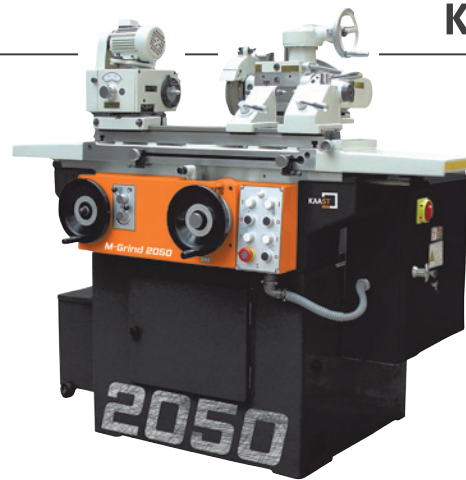


Universal grinding machine **M-Grind 2050**



T e c h n i c a l D a t a s h e e t

M - Grind 2050



The M-Grind universal grinder is highly functional allowing external, internal, and tapered grinding. The M-Grind also allows easy tool grinding (sharpening knives, reamers and turning tools) and is suitable for light surface grinding

Three point bearing

The custom-made three-point mounting of the grinding spindle ensures minimum temperature influence and high quality grinding results

Feed drives

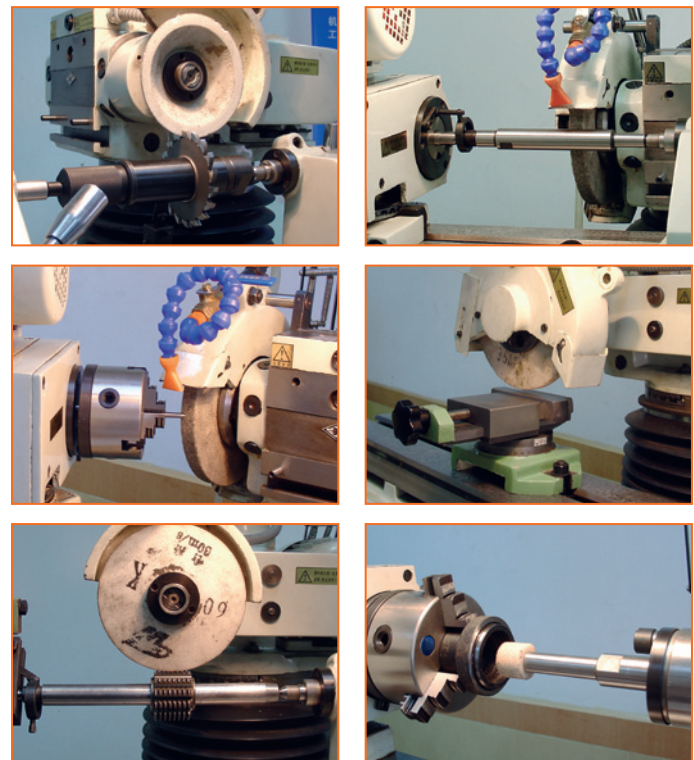
Hydraulic table feed (in the longitudinal direction) with automatic direction change.

Grinding Spindle

The special design of the grinding spindle head allows the simultaneous use of two different grinding wheels. The grinding spindle can be adjusted in the transverse direction, as well as in height. Further, a pivoting around the vertical-axis is possible

Speeds

The headstock has three different speeds (110, 200, 300 rpm), which are selectable by an easy to use gear unit



Standard configuration:

- ✓ 3-jaw chuck
- ✓ Internal grinding unit incl. grinding tips
- ✓ Coolant system
- ✓ Driving dog
- ✓ Automatic grinding wheel balancing system
- ✓ Spindle extension
- ✓ Dead center
- ✓ Balancing stand
- ✓ Left and right tailstock MK 2
- ✓ Vise for surface grinding (3-axis angle adjustment)
- ✓ Tool taper MT 4
- ✓ Spring stop
- ✓ Dressing tools
- ✓ Suction device
- ✓ Automatic central lubrication system
- ✓ Manual

Technical specifications		M-Grind 2050	Technical specifications		M-Grind 2050
Working area			Swivel range		
Max. workpiece diameter	mm	Ø200			± 90 °
Max. workpiece length	mm	500	Adjustment		
Max. workpiece weight	kg	10	Fine feed per handwheel X-axis	mm	1
Surface grinding range	mm	200x50	Coarse feed per handwheel X-axis	mm	4
Tool grinding area	mm	200x500	Fine feed per scale X-axis	mm	0,005
Inside grinding area	mm	Ø10-50 x 75	Coarse feed per scale X-axis	mm	0,02
External grinding area	mm	Ø5-50 x 400	Height adjustment by scale interval	mm	0,01
Table swivel (max.)		+45° / -30°	Height adjustment per handwheel	mm	1
Z-axis travel (manual)	mm	200	Tailstock		
Z-axis travel	mm	480	Tailstock taper		MT 2
Work headstock			Quill travel	mm	14
Swivel range		± 90 °	Motor		
Spindle taper		MT 2	Grinding spindle	kW	1.1
Spindle speed	rpm	110 - 300	Total power	kW	2.525
3-jaw chuck	mm	Ø100	Dimensions and weight		
Grinding spindle			Grinding wheel dimensions	mm	200x20x75
Rotational speed	rpm	2,500	Machine dimensions	mm	11520x1130x1117
Internal grinding spindle speed	rpm	13,500	weight	kg	1300
			Item-No.		100045

*The above specifications are subject to change without prior notice, no liability for printing mistakes. Machine may be shown with optional equipment.

KAAST Werkzeugmaschinen GmbH · Gadelander Straße 172 · D-24539 Neumünster / Germany · Phone: +49 (0) 4321-25 20 03 -0 · Fax: +49 (0) 4321-25 20 03 -90 · E-Mail: info@kaast.de