



Universal grinding machine

M-Grind 2050

8" x 20"

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.

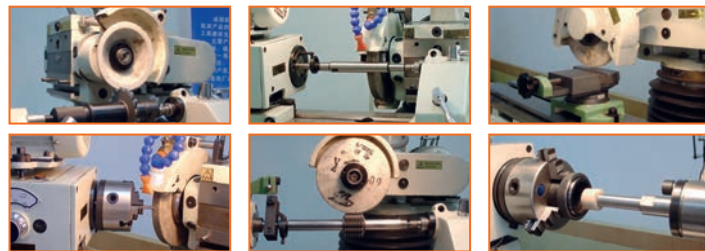
Grinding Spindle

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 box.



Standard configuration

- 3-jaw chuck
- Internal grinding unit
- Coolant system
- Driving dog
- Automatic grinding wheel balancing system
- Faster spindle motor
- Dead center
- Balancing stand
- Left and right tailstock, MK 2
- Vise for surface grinding (3-axis angle adjustment)
- Tool taper, MT 4
- Spring stop
- Diamond dresser
- Suction device
- Automatic lubrication
- Operation manual

Specifications		M-Grind 2050		Specifications		M-Grind 2050	
		8" x 20"				8" x 20"	
WORKING AREA				Swivel range	deg	±90°	
Max. workpiece diameter	mm	Ø200 (8")		ADJUSTMENT			
Max. workpiece length	mm	500 (20")		Fine feed per handwheel X-axis	mm	1 (0.04")	
Max. workpiece weight	kg	10 (22 lbs)		Coarse feed per handwheel X-axis	mm	4 (0.16")	
Surface grinding range	mm	200x50 (8x2")		Fine feed per scale X-axis	mm	0.005 (0.0002")	
Tool grinding area	mm	200x500 (8x20")		Coarse feed per scale X-axis	mm	0.02 (0.0008")	
Inside grinding area	mm	Ø10-50x75 (0.4-2x3")		Height adjustment by scale interval	mm	0.01 (0.0004")	
External grinding area	mm	Ø5-50x400 (0.2-2x16")		Height adjustment per handwheel	mm	1 (0.04")	
Table swivel (max.)	deg	+45°/-30°		TAILSTOCK			
X-axis travel (manual)	mm	200 (8")		Tailstock quill taper		MT 2	
Z-axis travel	mm	480 (19")		Tailstock quill travel	mm	14 (0.55")	
WORK HEADSTOCK				MOTOR			
Swivel range	deg	±90°		Grinding spindle	kW	1.1 (1.5 Hp)	
Spindle taper		MT 2		Motor power	kW	2.5	
Speeds	rpm	110-300		DIMENSIONS			
3-jaw chuck	mm	Ø100 (3.9")		Grinding wheel dimensions	mm	200x20x75 (8x0.8x3")	
GRINDING SPINDLE				Dimensions (L/W/H)	mm	1520x1130x1117 (60x44x44")	
Regulating wheel speed	rpm	2,500		Weight	kg	1300 (2,860 lbs)	
Grinding spindle speed	rpm	13,500					
Item No.		100045		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.