



Universal grinding machine

M-Grind 2050

8x20"

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

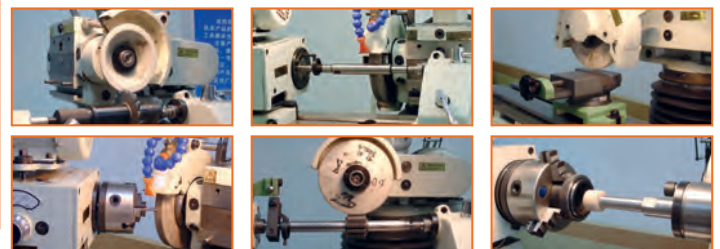
The special design of the grinding spindle head allows the simultaneous use of two different grinding wheels. The grinding spindle can be adjusted in the transverse direction, as well as in height. Further, a pivoting around the vertical-axis is possible.

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	
		8" x 20"	
Max. workpiece diameter	mm	Ø200 (8")	
Max. workpiece length	mm	500 (20")	
Max. workpiece weight	kg	10 (22 lbs)	
Surface grinding range	mm	200x50 (8x2")	
Tool grinding area	mm	200x500 (8x20")	
Inside grinding area	mm	Ø10-50x75 (0.4-2x3")	
External grinding area	mm	Ø5-50x400 (0.2-2x16")	
Table swivel (max.)	deg	+45°/-30°	
X-axis travel (manual)	mm	200 (8")	
Z-axis travel	mm	480 (19")	
Work headstock	Swivel range	deg	±90°
	Spindle taper		MT 2
	Speeds	rpm	110-300
Grinding spindle	3-jaw chuck	mm	Ø100 (3.9")
	OD spindle speed	rpm	2,500
	ID spindle speed	rpm	13,500
	Swivel range	deg	±90°
Fine feed per handwheel X-axis	mm	1 (0.04")	
Coarse feed per handwheel X-axis	mm	4 (0.16")	
Fine feed per scale X-axis	mm	0.005 (0.0002")	
Coarse feed per scale X-axis	mm	0.02 (0.0008")	
Height adjustment by scale interval	mm	0.01 (0.0004")	
Height adjustment per handwheel	mm	1 (0.04")	
Tailstock quill taper		MT 2	
Tailstock quill travel	mm	14 (0.55")	
Grinding spindle	kW	1.1 (1.5 Hp)	
Motor power	kW	2.5	
Grinding wheel dimensions	mm	200x20x75 (8x0.8x3")	
Dimensions (L/W/H)	mm	1520x1130x1117 (60x44x44")	
Weight	kg	1300 (2,860 lbs)	
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.