



See this machine
in action on
YouTube



**Ideal for tool and die construction,
mechanical production, design
processes, laboratories and training**

- **The functionality of the Multi-Grind ranges from external and internal cylindrical grinding to taper grinding. The Multi-Grind also allows easy tool grinding (sharpening of cutters, reamers and turning tools) and is suitable for light surface grinding jobs.**
- **Feed Drives**
Hydraulic table feed (longitudinal) with automatic change of direction. An additional manually operated longitudinal feed with hydraulic support allows feed speeds up to 275"/min.
- **Grinding Headstock**
Special grinding headstock design allows simultaneous setup of 2 different grinding wheels. The grinding headstock can be moved in transverse direction and also vertically; and it can be rotated around the vertical axis.
- **Speeds**
The headstock operates at 3 different speeds (110, 200, 300 rpm) which are set through an easy to operate gear shift lever.



Surface grinding with angle-adjustable vise

Standard Equipment

coolant system, exhaust vacuum, tool mount / indexing head MT 4, internal grinding unit including 2 die grinders, 3-jaw chuck (4" diam.), left tailstock, right tailstock MT 2, center point, half center points, balancing station, spindle extension, vise for surface grinding (3-D angle adjustment), spring stop, 5 drivers, various splash guards, grinding wheel guard (2x), automatic central lubrication, operator manual, test certificate

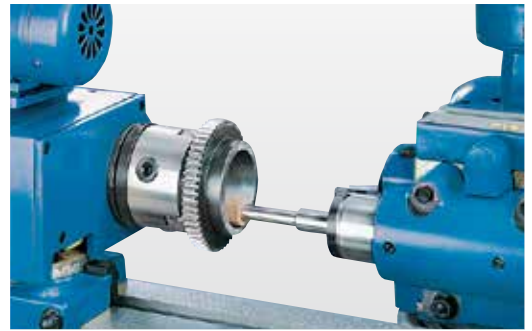
Options

	Part No.
• Live Center MT 2	106745
• Milling tool mount 0.6 inch for MultiGrind 102781	421085

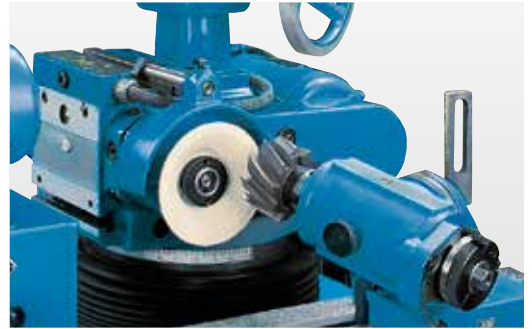
To see the available options for this machine, visit our website.

Specifications

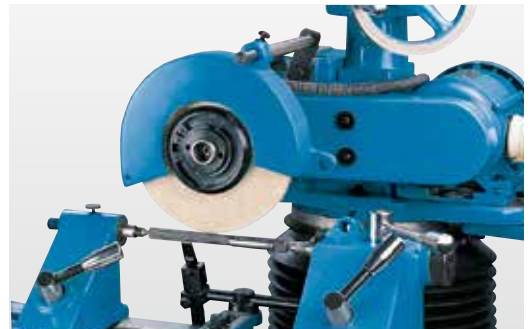
		Multi Grind
Working Area		
Grinding diameter	in	7.9
Workpiece length (max.)	in	20
Outside grinding measure, maximum	in	Ø 0.2-2. x 15.8
Inside grinding measures, optimal	in	Ø 0.4-2 x 3
Tool grinding measure	in	8x20
Work piece length surface grinding	in	8
Work piece width surface grinding	in	2
Workpiece weight (max.)	lbs	22
Table swivel range (max.)		+45° / -30°
Travels		
Travel Z-axis	in	19
Feed		
Feed per hand-wheel rotation X-axis, fine	in	0.0394
Feed per hand-wheel rotation X-axis, rough	in	0.1575
Feed per scale division X-axis, fine	in	0.0002
Feed per scale division, X-axis, rough	in	0.00079
Scale division of height adjustment	in	0.00039
Longitudinal feed speed (hydraulic)	fpm	0 - 20
Manual, hydraulic assist	fpm	23
Headstock		
Working headstock swivel range		± 90°
Working spindle speed	rpm	(3) 110 - 300
Working spindle taper	MT	2
Chuck diameter	in	4
Grinding headstock		
Grinding spindle speed	rpm	2,500
Inside grinding spindle speed	rpm	13,500
Grinding headstock swivel range		± 90
Grinding headstock - vertical / - transverse	in	8
Tailstock		
Height adjustment per handwheel rotation	in	0.04
Tailstock taper	MT	2
Tailstock quill stroke	in	1
Drive Capacity		
Machine drive capacity	Hp	3.4
Motor rating main drive	Hp	1.5
Measures and Weights		
Grinding wheel dimensions	in	7.87x0.79x2.95
Grindstone dimensions, inside grinding (min.)	in	0.4x0.4x0.1
Grindstone dimensions, inside grinding (max.)	in	1x0.8x0.2
Overall dimensions (length x width x height)	in	60x54x56
Weight	lbs	2,860
Part No.		102781



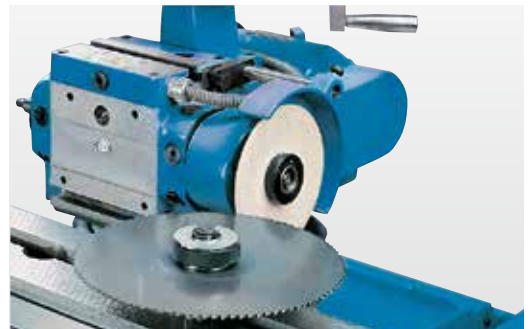
High-speed inside cylindrical grinding



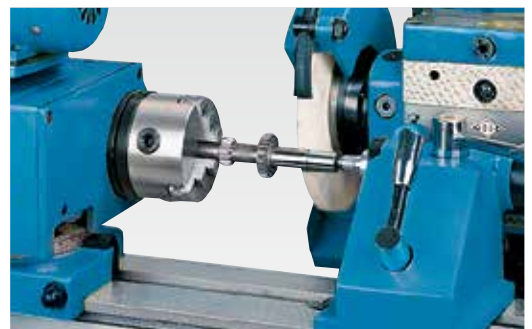
Rigid angle-adjustable workpiece mounts



Swiveling headstock and extensive accessories



Saw blade sharpening



Outside cylindrical grinding for lengths up to 15.75 in.