




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 job.**
- **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 7 m/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 min<sup>-1</sup>), 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 Ø 100 mm, 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

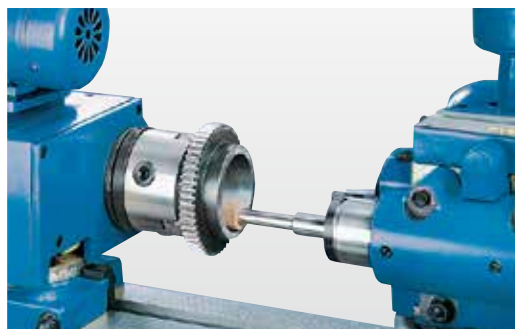
## Options

	Part No.
• Live Center MT 2	106745
• milling tool Mount Diameter 16mm for MultiGrind 102781	421085

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

## Specifications

		Multi Grind
<b>Working area</b>		
Grinding diameter	mm	200
Workpiece length (max.)	mm	500
Outside grinding measure, maximum	mm	Ø 5-50 x 400
Inside grinding measures, optimal	mm	Ø 10-50 x 75
Tool grinding measure	mm	200x500
Workpiece length surface grinding	mm	200
Workpiece width surface grinding	mm	50
Workpiece weight (max.)	kg	10
Table swivel range (max.)		+45° / -30°
<b>Travels</b>		
Travel Z-axis	mm	480
<b>Feed</b>		
Feed per hand-wheel rotation X-axis, fine	mm	1
Feed per hand-wheel rotation X-axis, rough	mm	4
Feed per scale division X-axis, fine	mm	0,005
Feed per scale division, X-axis, rough	mm	0,02
Scale division of height adjustment	mm	0,01
Longitudinal feed speed (hydraulic)	m/min	0,01 - 6
Manual, hydraulic assist	m/min	7
<b>Headstock</b>		
Working headstock swivel range		± 90°
Working spindle speed	1/min	(3) 110 - 300
Working spindle taper	MT	2
Chuck diameter	mm	100
<b>Grinding headstock</b>		
Grinding spindle speed	1/min	2.500
Inside grinding spindle speed	1/min	13.500
Grinding headstock swivel range		± 90°
Grinding headstock - vertical / - transverse	mm	200
<b>Tailstock</b>		
Height adjustment per handwheel rotation	mm	1
Tailstock taper	MT	2
Tailstock quill stroke	mm	14
<b>Drive capacity</b>		
Machine drive capacity	kW	2,525
Motor rating main drive	kW	1,1
<b>Measures and weights</b>		
Grinding wheel dimensions	mm	200x20x75
Grindstone dimensions, inside grinding (min.)	mm	10x10x3
Grindstone dimensions, inside grinding (max.)	mm	25x20x6
Overall dimensions (length x width x height)	m	1,52x1,35x1,4
Weight	kg	1.300
Part No.		102781



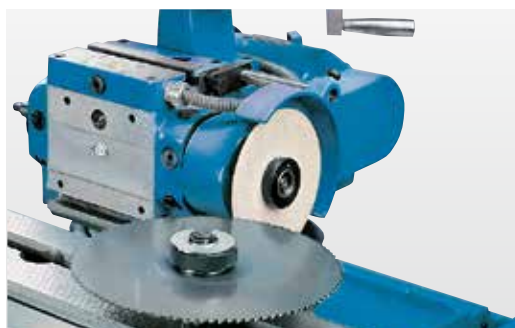
High-speed inside cylindrical grinding



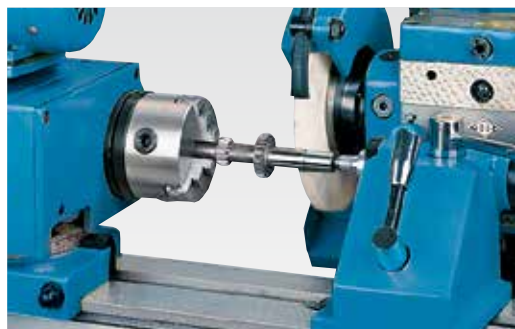
Rigid angle-adjustable workpiece mounts



Swiveling headstock and extensive accessories



Saw blade sharpening



Outside cylindrical grinding for lengths up to 400 mm