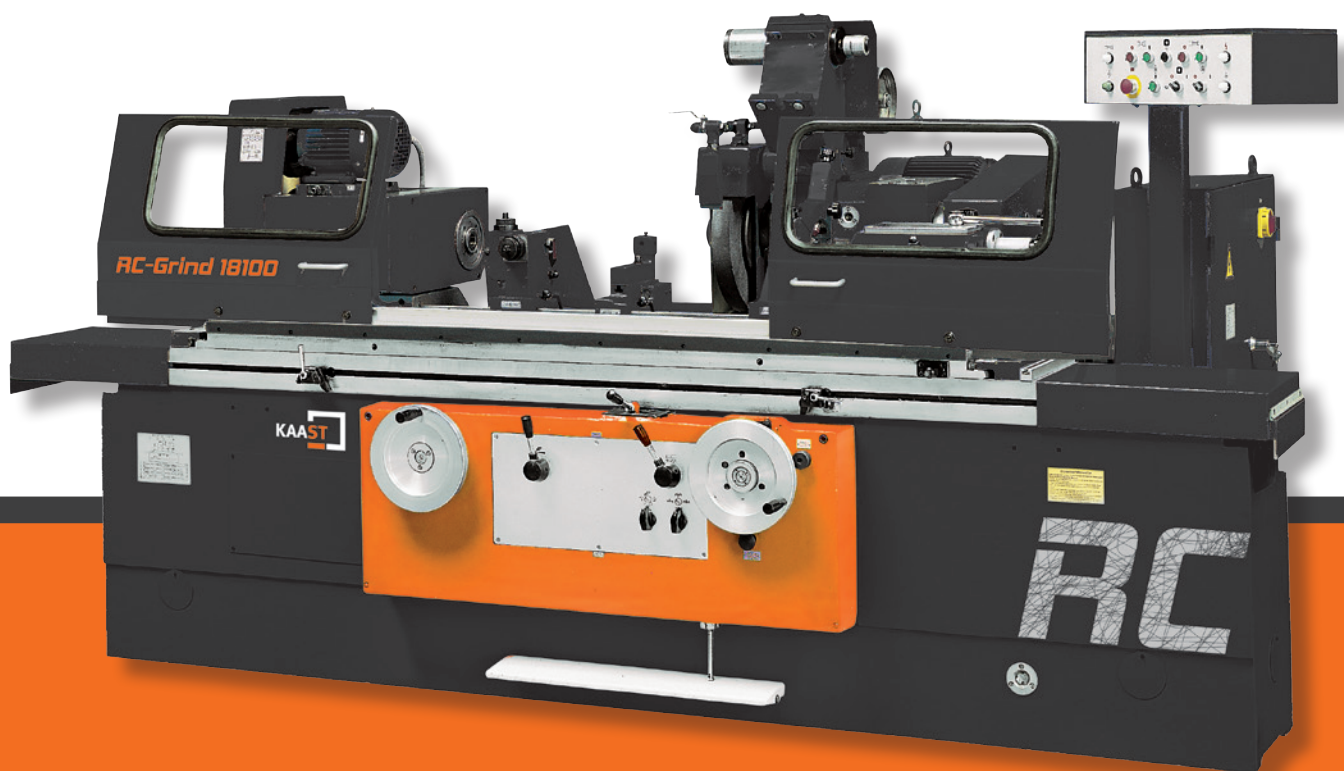


Cylindrical grinder RC-Grind 18100

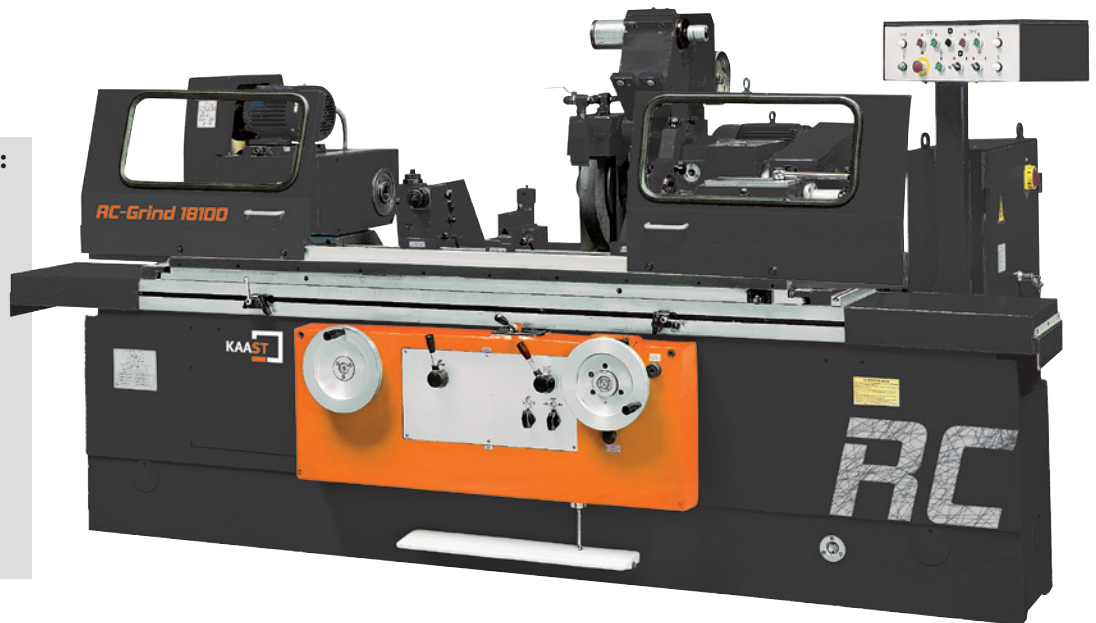


T e c h n i c a l D a t a s h e e t

- Grinding spindle mounted on both sides in adjustable 3-segment surfaces bearings
- The hydrostatic bearing of the main spindle produces a film of oil between the bearing and the spindle. This eliminates vibration and provides high precision and surface quality, increasing the service life of the spindle.
- Precisely aligned spindle head and a sturdy table for best work results in different applications
- Machine table swivels in 2 directions
- Table movement is carried out manually by hand wheel or automatically via the hydraulic feeder in the longitudinal direction
- Table feed rate is infinitely adjustable
- A delay can be adjusted into the end of the table movement
- Accuracy according by ISO for cylindrical grinding machines
- With internal grinding unit
- Rapid traverse can be hydraulically or manually actuated

Standard configuration:

- ✓ 3-jaw chuck
- ✓ Internal grinding unit
- ✓ Open steady rest
- ✓ Closed steady rest
- ✓ Coolant system
- ✓ Dressing device
- ✓ Balancing stand
- ✓ Balancing arbor
- ✓ Grinding wheel flange (standard)
- ✓ Grinding wheel (standard)
- ✓ Diamond dresser
- ✓ Splash protection
- ✓ Dead center
- ✓ Operating tools
- ✓ Manual



Technical specifications		RC-Grind 18100	Technical specifications		RC-Grind 18100
Center height		180 mm	Max. transverse travel		245 mm
Grinding capacity		Ø320 mm	Table movement		35 m/s
Grinding capacity (with rest)		Ø60 mm	Spindle speed		1670 rpm
Min. grinding diameter		Ø8 mm	Rapid transverse travel		50 mm
Max. grinding length		1000 mm	Headstock		
Max. workpiece weight between centers		150 kg	Taper		MT 4
Grinding wheel dimensions (outside-Ø x width x inside-Ø)		Ø400x50xØ203 mm	Speed		25; 50; 75; 110; 150; 220 rpm
Max. longitudinal table travel		1000 mm	3-jaw chuck diameter		Ø200 mm
Table swivel range		+3°-7°	Max. swivel angle		±30°
Table feed		0.1-4 m/min	Tailstock		
Longitudinal feed increment		0.5 mm	Taper		MT 4
Feed per revolution (Longitudinal feed)		2 mm	Travel		30 mm
Transverse feed increment		0.0025 mm	Accuracy		
Feed per revolution (Transverse feed)		0.01 mm	Radial runout deviation		0.003 mm
Internal grinding attachment			Axial runout deviation		0.006 mm
Internal grinding diameter	with rest	Ø35-100 mm	Roughness		RA≤0.32 um
	without rest	Ø30-100 mm	Grinding spindle motor		5.5 kW
Max. internal grinding depth		125 mm	Headstock motor		0.75 kW
Grinding spindle size (internal grinding attachment)	max.	50x25x13 mm	Hydraulic pump motor		0.75 kW
	min.	17x20x6 mm	Coolant supply motor		0.12 kW
Spindle speed		10.000 rpm	Total power		7.5 kW
Grinding spindle			Dimensions (LxWxH)		3605x1810x1515 mm
Max. swivel angle		±90°	Weight		3700 kg
Item-No.					3100007

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