

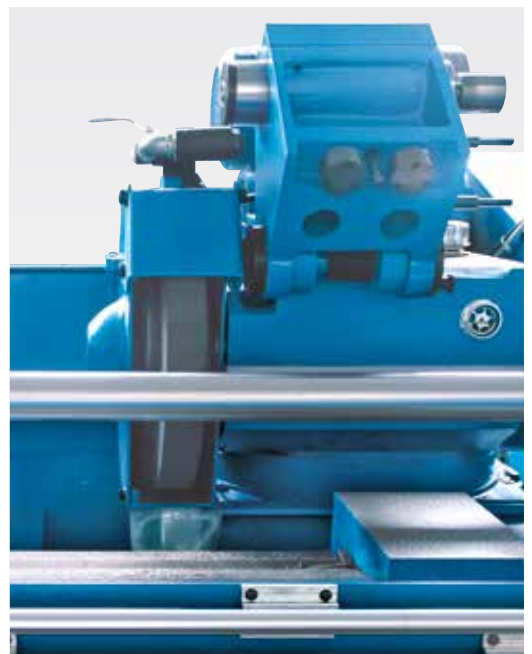


See this machine
in action on
YouTube



RSM 1000 C incl. position indicator is shown

- Extra heavy, wide machine bed with heavy ribbing and one-piece mono-block construction
- Induction-hardened and ground guide slots ensure long-term accuracy and minimum wear
- Massive headstock with high-precision main spindle on a tapered roller bearing with 100 mm spindle bore for excellent stability under heavy loads
- very quiet operation at maximum spindle speed
- All guideways are generously sized and gears are hardened and ground
- Joystick control for X and Z feeds is mounted directly to support
- Manual 4-step auxiliary gearbox, premium frequency drive technology combined with main spindle motor ratings up to 7.5 kW allow exact tuning of speed and torque for heavy-duty machining
- Rapid feed for X and Z axis allow quick support positioning and less down-time
- Adjustable overload clutch in apron protects the feed mechanics from damages and failures



RSM Series Grinding Spindle

Standard Equipment

2-axis position indicator, internal grinding equipment, open rest, closed rest, 3-jaw chuck Ø 200 mm, coolant system, grinding wheel dresser, balancing station, balancing mandrel, grinding wheel flange, center point, front and rear splatter guard, drivers, operating tools, operator manual, test certificate



Specifications RSM		750 C	1000 C	1500 C	2000 C
Working area					
Center height	mm	135	180	180	180
Grinding diameter	mm	8 - 200	8 - 320	8 - 320	15 - 320
With steady rest	mm	8 - 60	60	60	150
Grinding length	mm	750	1.000	1.500	2.000
Inside grinding diameter with rest	mm	35 - 100	35 - 100	35 - 100	35 - 100
Inside grinding diameter without rest	mm	25 - 100	30 - 100	30 - 100	30 - 100
Inside grinding depth	mm	125	125	125	125
Workpiece weight between centers (max.)	kg	80	150	150	150
Grinding wheel feed (min.)	mm	0,0025	0,0025	0,0025	0,0025
Chuck diameter	mm	200	200	200	200
Table swivel range (max.)		-2° / +6°	-3° / +7°	-3° / +6°	-3° / +5°
Wheel speeds	m/s	35	35	35	34,2
Work spindle speeds	1/min	50 Hz: 25-380	50 Hz: 25-220	50 Hz: 25-220	50 Hz: 25-220
Travels					
Grinding head travel	mm	200	250	250	250
Feed					
Table feed, infinitely variable	m/min	0,1 - 4	0,1 - 4	0,1 - 4	0,1 - 4
Feed per hand-wheel rotation X-axis	mm	0,5	1	1	1
Feed per scale division X-axis	mm	0,0025	0,0025	0,0025	0,0025
Accuracies					
Run-out deviation	mm	0,003	0,003	0,003	0,003
Cylindrical deviation	mm	0,008	0,01	0,01	0,01
Roughness	µm Ra	<=0,32	<=0,32	<=0,32	<=0,32
Headstock					
Working headstock swivel range	deg	0 - 45	0 - 45	0 - 45	0 - 45
Working spindle taper	MT	4	4	4	4
Grinding headstock					
Grinding spindle speed	1/min	0 - 1.670	0 - 1.670	0 - 1.670	0 - 1.305,6
Grinding headstock swivel range (r+l)		30°	30°	30°	30°
Inside grinding spindle speed	1/min	10.000	10.000	10.000	10.000
Tailstock					
Tailstock taper	MT	4	4	4	4
Tailstock quill stroke	mm	25	30	30	30
Drive capacity					
Motor rating - grinding spindle / hydraulic pump	kW	4 / 0,75	5,5 / 0,75	5,5 / 0,75	7,5 / 0,75
Motor rating inside grinding	kW	1,1	1,1	1,1	1,1
Motor rating - headstock / coolant pump	kW	0,75 / 0,13	1,5 / 0,125	1,5 / 0,125	1,5 / 0,125
Measures and weights					
Grinding wheels dimensions	mm	400x50x203	400x50x203	400x50x203	500x50x203
Grindstone dimensions, inside grinding (max.)	mm	50x40x16	50x25x13	50x25x13	50x25x13
Grindstone dimensions, inside grinding (min.)	mm	45x35x10	17x20x6	17x20x6	17x20x6
Overall dimensions (length x width x height)	m	3x1,8x1,65	3,61x1,81x1,52	4,61x1,81x1,52	5,61x1,81x1,52
Weight	kg	3.500	3.700	4.300	6.600
Part No.		302444	302445	302446	302447