

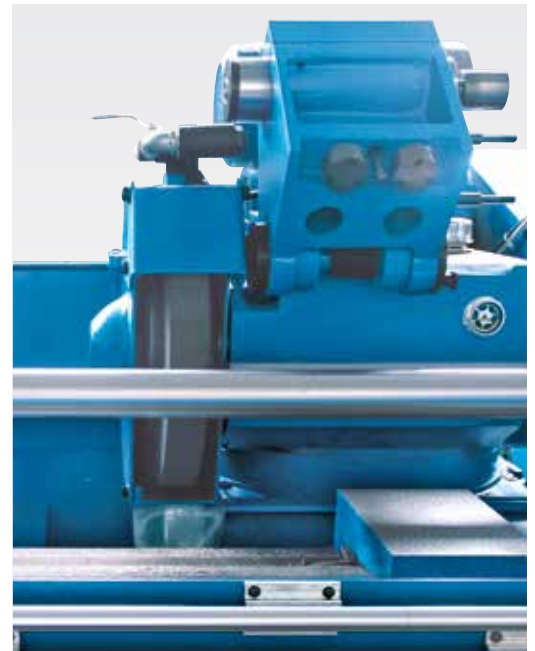


See this machine  
in action on  
YouTube



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 4 inch spindle bore for excellent stability under heavy loads
- Very quiet operation at maximum spindle speed
- Large gears, hardened and ground
- Joystick control for X and Z feeds is mounted directly to support
- Manually shifted 4-step gearbox with high-quality frequency control combined with a powerful main spindle motor with up to 10 Hp power allow exact tuning of rpm and high torque to provide maximum power even under heaviest loads
- For quick positioning and reduced down-time, the support is equipped with a rapid feed on X and Z-axes
- 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 7.87", coolant system, grinding wheel dresser, balancing station, balancing mandrel, grinding wheel flange, center point, front and rear splatter guard, drivers, operating tools, operator manual



Specifications RSM		750 C	1000 C	1500 C	2000 C
<b>Working Area</b>					
Center height	in	5	7	7	7
Grinding diameter	in	0.3 - 7.9	0.3 - 12.6	0.3 - 12.6	0.6 - 12.6
With steady rest	in	0 - 2	2	2	6
Grinding length	in	30	39	59	79
Inside grinding diameter with rest	in	1.4 - 3.9	1.4 - 3.9	1.4 - 3.9	1.4 - 3.9
Inside grinding diameter without rest	in	1 - 3.9	1.2 - 3.9	1.2 - 3.9	1.2 - 3.9
Inside grinding depth	in	4.9	4.9	4.9	4.9
Work piece weight between centers (max.)	lbs	176	330	330	330
Grinding wheel feed (min.)	in	0.0001	0.0001	0.0001	0.0001
Chuck diameter	in	8	8	8	8
Table swivel range (max.)		-2° / +6°	-3° / +7°	-3° / +6°	-3° / +5°
Wheel speeds	in/s	1,365	1,365	1,365	1,333.8
Work spindle speeds	rpm	50 Hz: 25-380	50 Hz: 25-220	50 Hz: 25-220	50 Hz: 25-220
<b>Travels</b>					
Grinding head travel	in	8	10	10	10
<b>Feed</b>					
Table feed, infinitely variable	in/min	3.9 - 156	3.9 - 156	3.9 - 156	3.9 - 156
Feed per hand-wheel rotation X-axis	in	0.0197	0.0394	0.0394	0.0394
Feed per scale division X-axis	in	0.000098	0.000098	0.000098	0.000098
<b>Accuracies</b>					
Run-out deviation	in	0	0	0	0
Cylindrical deviation	in	0.00031	0.00039	0.00039	0.00039
Roughness	µm Ra	<=0,32	<=0,32	<=0,32	<=0,32
<b>Headstock</b>					
Working headstock swivel range	deg	0 - 45	0 - 45	0 - 45	0 - 45
Working spindle taper	MT	4	4	4	4
<b>Grinding headstock</b>					
Grinding spindle speed	rpm	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	rpm	10,000	10,000	10,000	10,000
<b>Tailstock</b>					
Tailstock taper	MT	4	4	4	4
Tailstock quill stroke	in	1	1	1	1
<b>Drive Capacity</b>					
Motor rating - grinding spindle / hydraulic pump	Hp	5,36 / 1	7.4 / 1	4 / 0.6	10 / 1
Motor rating inside grinding	Hp	1.5	1.5	1.5	1.5
Motor rating - headstock / coolant pump	Hp	0,75 / 0,13	2 / 0.17	1 / 0.1	2 / 0.2
<b>Measures and Weights</b>					
Grinding wheels dimensions	in	16x2x8	16x2x8	16x2x8	20x2x8
Grindstone dimensions, inside grinding (max.)	in	2x1.6x0.6	2x1x0.5	2x1x0.5	2x1x0.5
Grindstone dimensions, inside grinding (min.)	in	1.8x1.4x0.4	0.7x0.8x0.2	0.7x0.8x0.2	0.7x0.8x0.2
Overall dimensions (length x width x height)	in	118.1x70.9x65	142.1x71.3x59.8	181.5x71.3x59.8	220.9x71.3x59.8
Weight	lbs	7,700	8,140	9,460	14,520
Part No.		302444	302445	302446	302447