



RMS-200/500

this machine is suitable for grinding external and internal cylinder and cone, end face of shaft, it can be used for medium and cone, and end face of shaft, it can be used for medium or small batch production of parts or in tooling shop, beside its advanced structure and beautiful appearance, it has features of high accuracy, strong rigidity, high grinding efficiency, ease in operation, etc.

the series grinders are all fitted with worktable capable of longitudinally traveling by hydraulic or manual control and rotatable wheel head and work head, wheel of dia. 400x40x203 dia. used in inner grinding can improve grinding efficiency and wheel durability, when the spindle of work head is rotating, wheel head will provide fine feed, use of imported gear pump make oil be supplied smoothly and with a low noise, hydraulic reciprocal movement of worktable generates an oscillating effect, a frequent short range reversing function is thus realized to improve surface grinding quality when workpiece is ground with plunge feed.

Specification	Model	unit	M1420X500	M1420X800
Description				
External grinding diameters		mm	φ8~200	φ8~200
Internal grinding diameters		mm	φ13~100	φ13~100
Center height		mm	135	135
Headstock spindle rotation speed		r/min	50HZ:25~380stepless	50HZ:25~380stepless
Max. worktable traverse		mm	650	950
Hydraulic travel speed		m/min	0.1~4	0.1~4
Max. workpiece weight		kg	50	50
Grinding length External/Internal		mm	500/125	800/125
Swivel range of worktable		°	-5~+9°	-3~+7°
Max. wheel peripheral speed		m/s	38	38
External wheel size		mm	Max. φ400x50xφ203	Min φ280x50xφ203
Internal wheel spindle rotating-speed		r/min	20000	20000
Headstock and tailstock center		morse	NO.4	NO.4
Total motor power		kw	5.625	5.625
) Machine overall dimension (LxWxH)		mm	2500x1600x1500	3000x1600x1500
Machine weight		kg	2500	3000

Working Accuracy

Roundness (O.D/I.D)	1.5/2.5μm (O.D/I.D)
Uniformity of dia.in longitudinal section (O.D/I.D)	5/8μm (O.D/I.D)
Surface roughness(O.D/I.D)	Ra0.32/0.63μm (O.D/I.D)

Mail Accessories

Coolant tank	set	1	1
Grinding wheel dresser	set	1	1
Wheel hub	set	2	2
Wheel balancing mandrel	set	1	1
Internal grinding tool	set	1	1
3-claw chuck	set	1	1
Open-type steady-rest	set	1	1

Driving dog	set	1	1
Carbide-tipped center	pcs	2	2
Leveling wedge	pcs	3	3
Quill shaft for internal grinding	set	2	2
Chuck base	pcs	1	1
Special Accessories			
Close-type steady- rest	set	1	1
Wheel balancing stand	set	1	1
Radius dresser	set	1	1