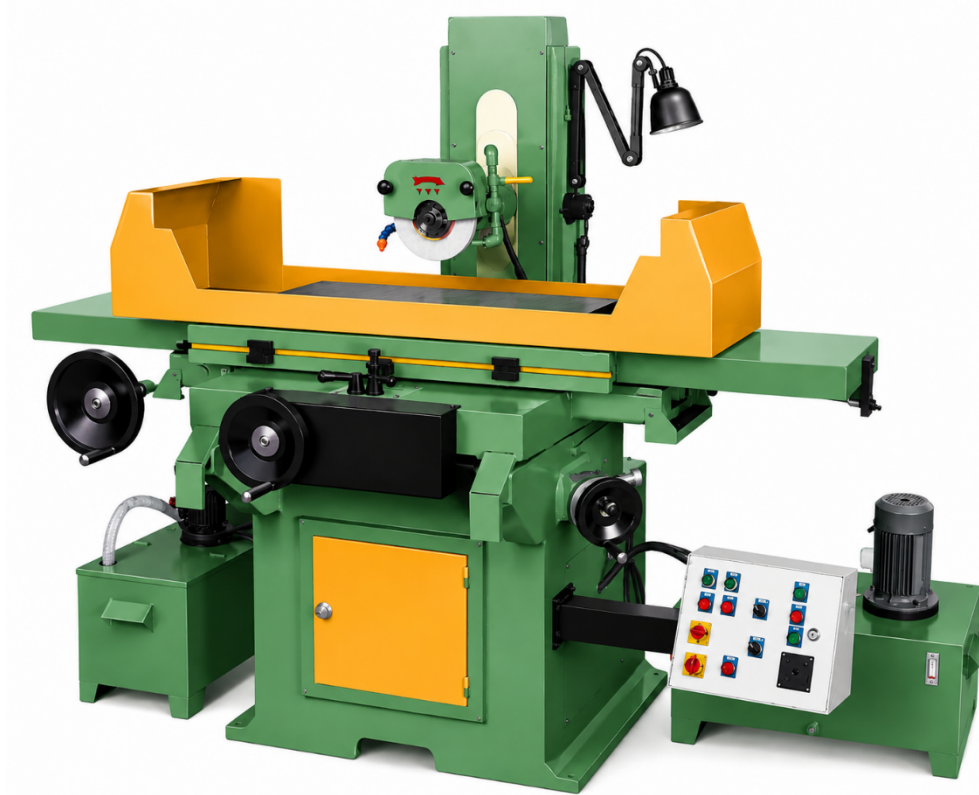


BHARAT MACHINES



SURFACE GRINDER

Technical Specifications

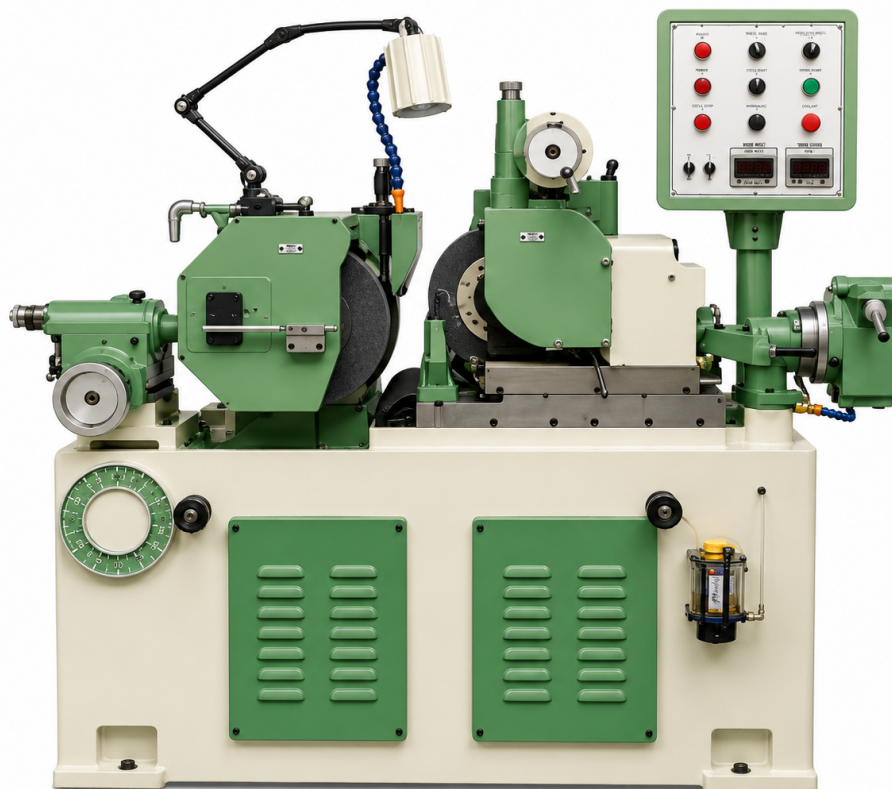
Model	SG-175	SG-225	SG-250	SG-300
Working Surface Of The Table (mm)	175x350	225x450	250x500	300x600
Magnetic Chuck Size	150 x 300	200 x 450	200 x 500	250 x 500
Max. Height From Table To Grind Wheel	250mm	275mm	300mm	300mm
Vertical Feed Gradu	0.01	0.01	0.002	0.002
Cross Feed Gradu	0.05	0.05	0.05	0.05
Size of Grinding Wheel (mm)	175x13x31.75	200x13x31.75	200x13x31.75	200x13x31.75
Spindle Speed (rpm)	2800	2800	2800	2800
Main Motor Power	0.75HP	1HP	2HP	2HP



BMTU Series Universal Cylindrical Grinding Machine Specifications

[illegible]

Grinding Head Motor	2HP–1440rpm	3HP–1440rpm	3HP–1440rpm	3HP–1440rpm	3HP–1440rpm	3HP–1440rpm	3HP–1440rpm
Rapid Approach	40mm	40mm	40mm	40mm	40mm	40mm	40mm
Range of work Head Speed	90–180–360rpm	65–140–205–300rpm	65–140–205–300rpm	65–140–205–300rpm	65–140–205–300rpm	65–140–205–300rpm	65–140–205–300rpm
Work Head Spindle Taper	MT-3	MT-4	MT-4	MT-4	MT-4	MT-4	MT-4
Work Head Motor Power	0.5HP–960rpm	0.5HP–960rpm	0.5HP–960rpm	0.5HP–960rpm	0.5HP–960rpm	0.5HP–960rpm	0.5HP–960rpm
Tail Stock Spindle Taper	MT-3	MT-4	MT-4	MT-4	MT-4	MT-4	MT-4
Tail Stock Quill Stroke	25mm	40mm	40mm	40mm	40mm	40mm	40mm
Coolant Tank	35 Liter	50 Liter	50 Liter	50 Liter	50 Liter	50 Liter	50 Liter
Coolant Pump Motor	0.15HP	0.15HP	0.15HP	0.15HP	0.15HP	0.15HP	0.15HP
Approx. Machine weight	900kg	1700kg	2100kg	2500kg	3000kg	3500kg	4000kg



CENTER-LESS GRINDER

Technical Specifications

SL Series Centerless Grinding Machine Specifications (SL-75, SL-100, SL-150)

Model No	SL-75	SL-100	SL-150
Grinding Range Diameter	2–75mm	2–100mm	5–150mm
Grinding Wheel Size (ODxWxD)	350x100x127mm	350x150x127mm	500x200x304.8mm
Regulating Wheel Size (ODxWxD)	225x100x76.2mm	225x150x76.2mm	300x200x127mm
Max. Length in In Feed Grinding	100mm	150mm	200mm
Max. Length in Through Feed Grinding	300mm	250mm	200mm
Grinding Wheel Speed	1800rpm	1800rpm	1200rpm
Regulating Wheel Speed	20–40–60rpm	20–40–60rpm	Infinitely Variable
Grinding Wheel Motor	5 HP	7.5 HP	20 HP
Regulating Wheel Motor	1 HP	1 HP	3 HP
Coolant Pump Motor	0.15 HP	0.15 HP	0.50 HP
Hydraulic Power Pack (Dressing)	0.5 HP	0.5 HP	0.5 HP
Regulating Wheel Angle Tilting	5 Degree	5 Degree	5 Degree
Upper Slide Swiveling	3 Degree	3 Degree	3 Degree
Approx. Weight	1800kg	2000kg	4500kg
Approx. Dimensions (LxWxH)	1850x1100x1600mm	1850x1100x1600mm	2500x1700x1650mm



BENCH GRINDER

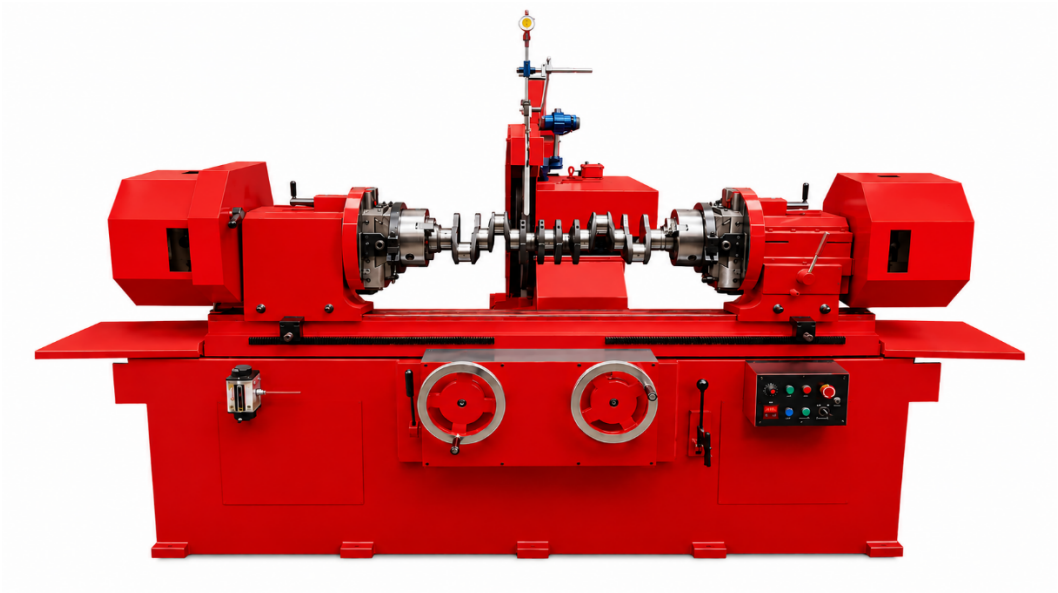
Technical Specifications

RG Series Grinder Specifications (RG-01 to RG-12)

MODEL	H.P.	K.W.	R.P.M.	PHASE	WHEEL SIZE	SHAFT DIAMETER	APPROX WT. KG.
RG-01	0.25	0.18	2800	3	100 x 20 x 19.05	12.70	13
RG-02	0.5	0.37	2800	3	150 x 20 x 31.75	15.80	22
RG-03	0.5	0.37	2800	3	200 x 20 x 31.75	15.80	26
RG-04	0.75	0.55	2800	3	200 x 25 x 31.75	19.00	35
RG-05	1.0	0.75	2800	3	250 x 25 x 31.75	19.00	45
RG-06	2.0	1.50	2800	3	300 x 40 x 38.10	25.40	79
RG-07	0.12	0.09	2800	1	100 x 13 x 19.05	12.70	8
RG-08	0.25	0.18	2800	1	100 x 20 x 19.05	12.70	13
RG-09	0.5	0.37	2800	1	150 x 20 x 31.75	15.80	22
RG-10	0.5	0.37	2800	1	200 x 20 x 31.75	15.80	26
RG-11	0.75	0.55	2800	1	200 x 25 x 31.75	19.00	35
RG-12	1.0	0.75	2800	1	250 x 25 x 31.75	19.00	45

• 3 phase model = 440 Volts

• 1 phase model = 230 Volts



CRANK SHAFT GRINDER

Grinding Machine Technical Specifications

Technical Data Sheet (Models: M-600, M-1000, M-1200, M-1500, & M-2000)

Model	M-600 (24")	M-1000 (40")	M-1200 (48")	M-1500 (60")	M-2000 (84")
Max. Distance Between Center (mm)	600	1000	1200	1500	2000
Max. Distance Between Chucks (mm)	600	900	1100	1400	2000
Max. Offset Center (mm)	65	75	80	85	125
Fast Hyd. Wheel-head Traverse (mm)	80	100	100	125	150
Max. Grinding Wheel Diameter (mm)	500	600	660	710	810
Power					
Wheel Head Motor (HP)	2.0	3.0	4.0	5.0	7.5
Work-head Spindle Motor (HP)	0.25	0.5	0.5	1.0	1.5
Hydraulic Power Motor (HP)	0.25	0.5	0.5	0.5	1.0
Cooling Pump (HP)	0.08	0.08	0.08	0.08	0.08
Dimensions					
Max. Grinding Diameter (mm)	100	125	125	150	175
Weight (Approx) (kg)	1500	2100	2500	3000	6000



TOOL AND CUTTER GRINDER

Technical Specifications

SPECIFICATION	MODEL U2
Collet Diameter	Ø3 – 16 mm (25 mm)
Motor	220 V / 380 V, 1/3 HP, 50 Hz
Speed	5300 rpm
Grinding Wheel	φ100 × 50 × φ20
Dimension	54 × 45 × 34 cm
Weight	47 kg



GEARED DRILLING MACHINE

Technical Specifications

ED Series Machine Specifications (ED-30, ED-35, ED-40, ED-50)

Model	ED-30	ED-35	ED-40	ED-50
Max. Drilling Capacity	30mm	35mm	40mm	50mm
Max. Tapping Capacity	M20	M24	M27	M30
Diameter Of Column	120mm	140mm	160mm	180mm
Spindle Travel	135mm	160mm	180mm	240mm
Distance Spindle To Column	320mm	330mm	360mm	360mm
Spindle Nose To Table	550mm	590mm	590mm	570mm
Spindle Nose To Base	1100mm	1180mm	1180mm	1160mm
Spindle Taper	MT-3	MT-4	MT-4	MT-4/MT-5
Number Spindle Speeds	12	12	12	12
Range Of Spindle Speeds (rpm)	65-2600rpm	75-2500rpm	42-2050rpm	42-2050rpm
Spindle Feeds	0.1-0.2-0.3	0.1-0.2-0.3	0.07-0.15-0.26-0.40	0.07-0.15-0.26-0.40
Worktable Size (mm)	500 x 440mm	500 x 440mm	550 x 470mm	550 x 470mm
Table Travel	490mm	550mm	550mm	550mm

Base Size (mm)	400 x 390mm	400 x 390mm	450 x 440mm	450 x 440mm
Overall Height (mm)	2050mm	2300mm	2330mm	2380mm
Main Motor (kW)	0.85/1.1kW	1.5/2.2kW	2.2/2.8kW	2.2/2.8kW
Coolant Motor (kW)	40W	40W	40W	40W
G.W/N.W (Kg)	495/450kg	595/545kg	815/755kg	1045/985kg
Packing Dimension (mm)	1080 x 620 x 2150	1080 x 620 x 2200	1080 x 620 x 2450	1080 x 620 x 2450



TAPPING MACHINE

Technical Specifications

BD Series Machine Specifications (BD-25, BD-40, BD-25A, BD-40A)

Specification	Unit	BD-25	BD-40	BD-25A	BD-40A
Max. Drilling Capacity	mm	Ø20	Ø31.15	Ø20	Ø31.15
Max. Tapping Capacity	mm	M16	M20	M16	M20
Spindle Travel (mm)	mm	135	150	135	150
Distance Spindle axis to column generating line (mm)	mm	240	265	240	265
Max. Distance Spindle Nose To Table (mm)	mm	365	820	366	820
Max. Distance Spindle Nose To Base (mm)	mm	675	1235	678	1235
Diameter Of Column (mm)	mm	85	100	85	100
No. Of Spindle Speed	-	5	5	5	5
Spindle Speeds Range	r/min	340 ~ 2180	320 ~ 1820	320 ~ 1820	320 ~ 1820
Max. Feet Rate	mm/min	-	-	90	-

Spindle Taper	-	MT2	MT3	MT2	MT3
Dimension Of Worktable Surface (mm)	mm	300x320	380x400	300x320	330x330
Dimension Of Base Surface (mm)	-	305x355	310x380	565x375	650x405
Motor	kw	1.1	1.5 (6P)	1.1	1.5