

SURFACE GRINDING

CNC MACHINE SPECIFICATIONS

SPECIFICATION	UNIT	SG 42/52	SG 43/53/63	SG 64/84/104	SG 105/155/205	SG 106/156/206	SGR 60/100
Grinding Area : L x W	mm	400/500 x 200	400/500/600 x 300	600/800/1000 x 400	1000/1500/2000 x 500	1000/1500/2000 x 600	Ø 600 / Ø 1000
Max. Grinding Length	mm	400 / 500	400/500/600	600/800/1000	1000/1500/2000	1000/1500/2000	N.A.
Max. Grinding Width	mm	200	300	400	500	600	N.A.
Max. Grinding Height	mm	250	450	500	500	600	300 / 500
Max. Weight of Component	Kg	200	300	500	600	1000	300 / 600
Size of Wheel (O.D. x I.D.)	mm	Ø 200 x 31.75	Ø 300 x 76.2	Ø 300 x 76.2	Ø 400 x 127	Ø 400 x 127	Ø 300 / Ø 400
Max. width of Wheel	mm	25	50	50	100	100	50 / 100
Spindle Motor Power	Kw	1.5 / 2.2	3.7 / 5.5	3.7 / 5.5	7.5 / 11	15 / 22	5.5 / 15
Spindle Bearing	Type	High Precision Angular Contact Ball Bearing					
Grinding Speed	m/sec.	30	25	25	33	33	25 / 33
Grinding Spindle Cone	mm	Ø 24	Ø 36	Ø 36	Ø 60	Ø 60	Ø 36 / Ø 60
Diamond Dresser	Type	Diamond Point	Diamond Point	Diamond Point	Diamond Point	Diamond Point	Diamond Point
X Axis slide stroke [Longitudinal]	mm	450 / 550	450 / 550 / 650	700 / 900 / 1100	1200 / 1700 / 2200	1200 / 1700 / 2200	N.A.
Y Axis slide stroke [Vertical]	mm	300	550	550	650	650	400 / 650
Z Axis slide stroke [Cross]	mm	225	300	400	500	600	300 / 500
Rapid Feed rate X' Axis / B' Axis	m/min.	18	30	30	30	40	100 RPM
Rapid Feed rate Y/Z	m/min.	10	15	20	20	30	10
Min. Incremental Feed	mm	0.001	0.001	0.001	0.001	0.001	0.001
Floor Area for Basic Machine (Length x Width x Height)	mm	2400x1700x2000	2800x2100x2800	4200x3000x30000	5600x3600x2400	5600x4600x3500	3500x3500x3000

VERTICAL SPINDLE MACHINES ARE ALSO AVAILABLE

STANDARD ACCESSORIES

- Electro Magnetic Chuck
- Static Wheel Balancing Unit
- Paperband cum Magnetic Filtration Unit
- Set of Grinding Wheel with Flanges

OPTIONAL ACCESSORIES

- Fume Extractor
- Diamond Roll Dresser
- In-process Gauge
- Straight Line Dresser
- Wheel Loading/unloading device
- Enclosed Guarding
- Auto Adjust Coolant Nozzle
- Fixture & Tooling



CREEP FEED GRINDING

Specifications are subject to change without notice for continuous development. Other details and features on request.



PUNE



HALOL