



## SG618F Manual Surface Grinding Machine



### Features

SG618F Manual surface grinding machine mainly adopts grinding steel, cast iron and nonferrous metals material besides the grinding wheel. Different clamping and positioning method may be adopted according to the material and shape of workpiece. The ground finish of general surface may adopt electromagnetic chuck or be fastened on the worktable directly; the ground finish of surface, right angle face, arbitrary angle, cylindrical face and other special shapes may adopt fixture or multi-function strong electromagnetic chuck.

### Technical parameters

Main parameters	Unit	SG618F
Max. width to be ground	mm	165 (6.5")
Max. length to be ground	mm	470 (19")
Max. height to be ground	mm	350 (14")
Table size (L x W)	mm	460x155 (18x6.1")
Permanent magnetic chuck size (L x W)	mm	400x150 (16x6")
Max longitudinal travel	mm	500 (20")

Max transverse travel	mm	185 (7.3")
Max distance from spindle axis to table surface	mm	450 (18")
Vertical hand feed per rev	mm	1
Vertical hand feed per div	mm	0.005
Grinding wheel size (OD x W x ID)	mm	Φ200x13x31.75 (7.9x0.51x1.3")
Grinding wheel spindle speed	rpm	3450(60Hz); 2850(50Hz)
Grinding motor power	kW	1.1
Max. load of table (including permanent magnetic chuck)	kg	97
Machine weight	kg	750
Packing size (worktable dismantled) (L x W x H)	mm	1350x1110x1950

### Equipment

1. Coolant tank;
2. Balancing arbor;
3. Wheel flange and wheel;
4. Standard dressing stand (not including diamond pen);
5. Wheel extractor;
6. Leveling wedge;
7. Tools and tool box;
8. Balancing stand;

### Optional

1. Permanent magnetic chuck 200x400;
2. Parallel wheel dresser;
3. Dust collector;
4. Diamond pen;