

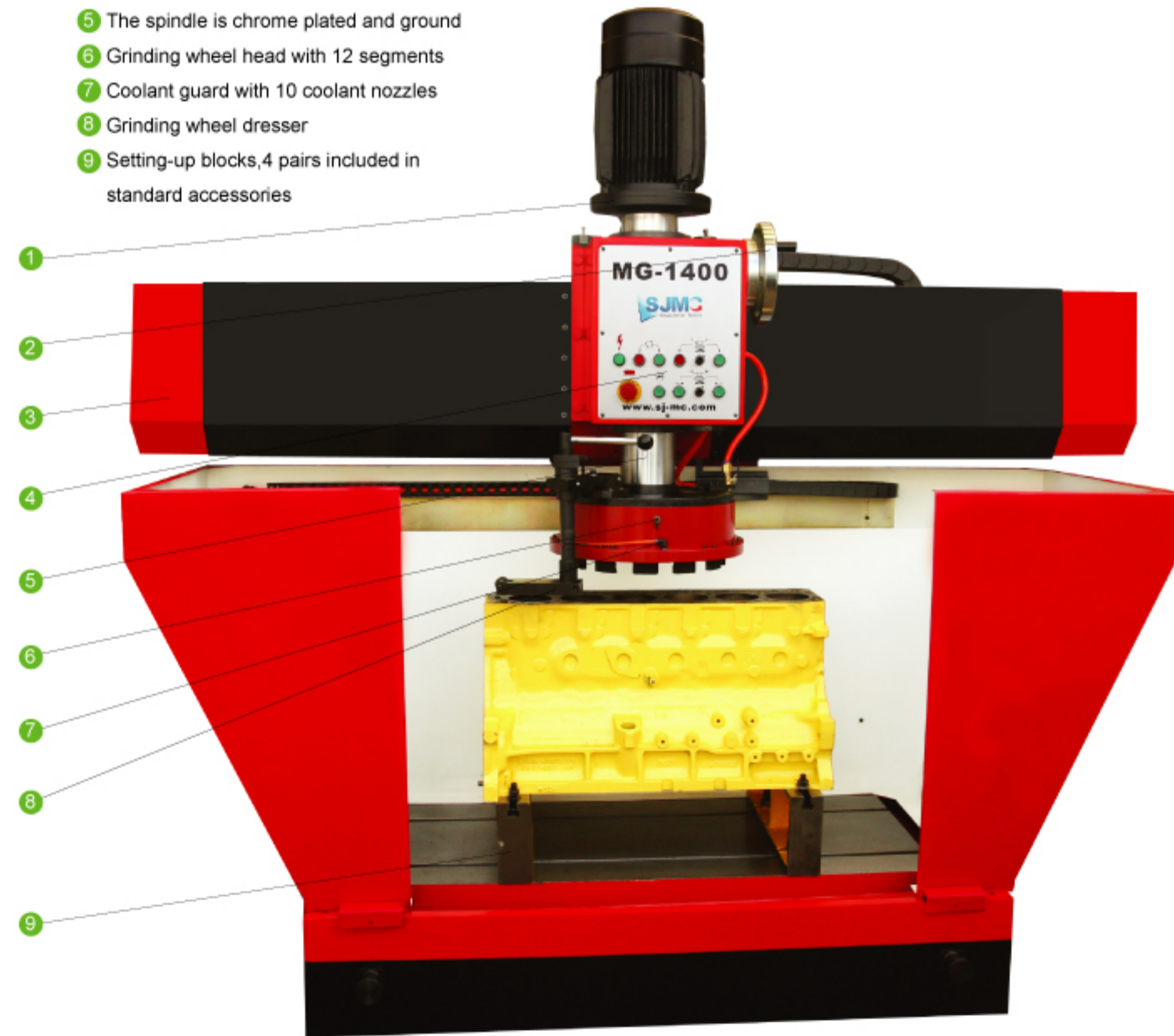
MG-1400

cylinder block grinding-milling machine

The surface grinding-milling machine, model MG-1400 is a medium size wet grinding machine which with its sturdy and well proportioned design offers a lot of advantages within small and medium size engine reconditioning as well as industrial grinding. The fact that the stability of the machine is constant regardless of the height of the item to be ground assures optimum stock removal and grinding result.

- Spindle motor and traverse motor are inverter motor (stepless speed) with easy operation and anti-vibration(resonance can be avoided);
- Motor with low vibration level;
- Feeding screw and traverse screw are ball types, with low damping, stable and durable;
- The slider guideway is designed with plastic-coated guide rails, providing good vibration absorption, strong wear resistance and high precision;
- Spindle sleeve is chrome plated and ground, with a bright and rust-proof surface;
- Integrated electric control modules, no - spark contacts, with safe and reliability;
- Spindle feeding is provided with braking device to avoid vibration, and permit a steady feeding;
- Separated circuits of water and electric, with safe and reliability, as well as chain sleeve for protection;
- Sheet metal with plastic coating, beautiful and durable surface;
- By using a magnetic chuck, available as extra equipment, the range of applications of the machine as an industrial grinding machine is widely extended.

- 1 Frequency-inverter-motor
- 2 Handwheel for moving grinding wheel up and down
- 3 Telescopic sheet metal guards
- 4 Push button control panel
- 5 The spindle is chrome plated and ground
- 6 Grinding wheel head with 12 segments
- 7 Coolant guard with 10 coolant nozzles
- 8 Grinding wheel dresser
- 9 Setting-up blocks, 4 pairs included in standard accessories



Technical Specifications

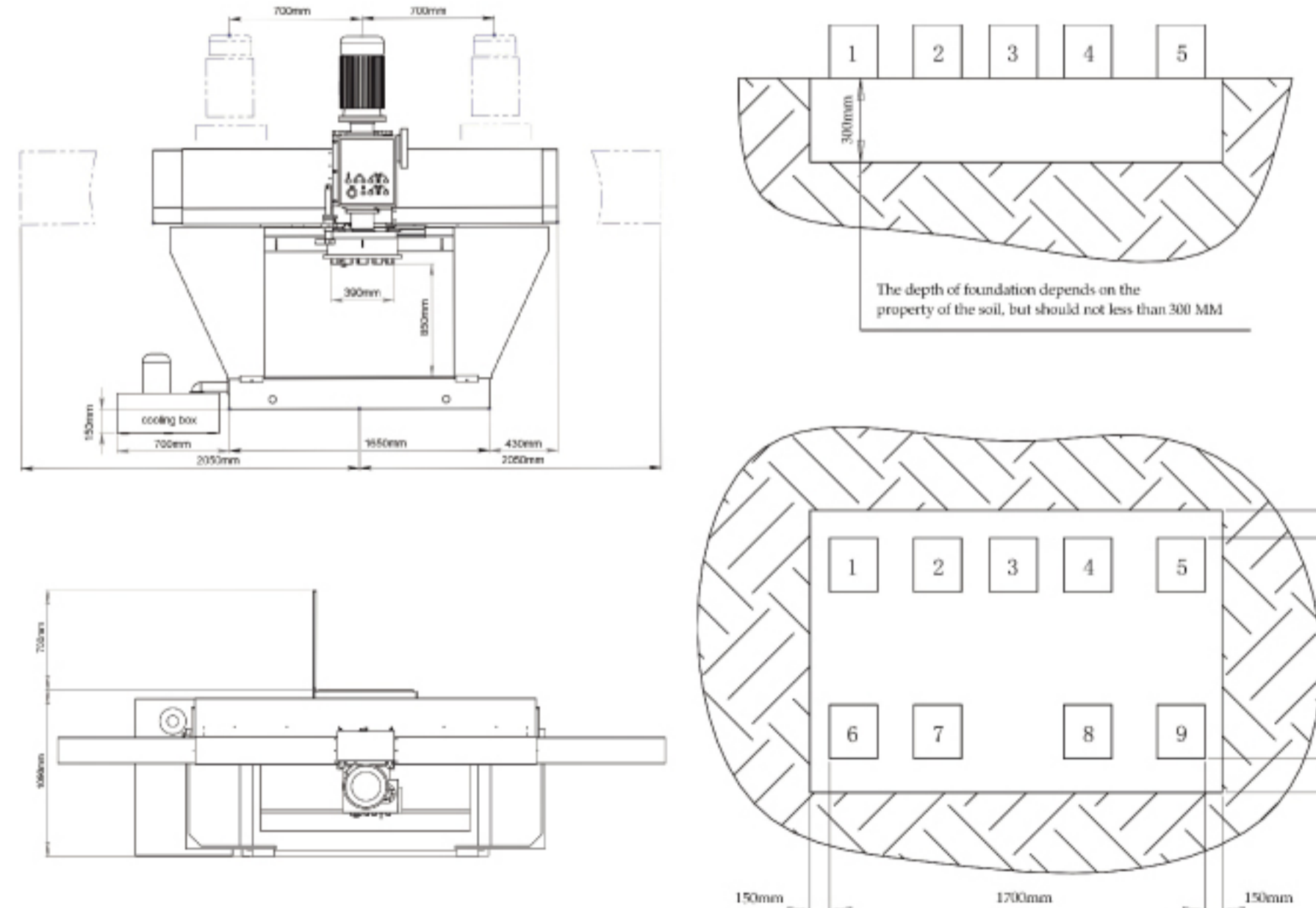
Grinding wheel motor	4 Kw , frequency conversion control 50 Hz ---- 960 rpm 20~70Hz --- 400 ~ 1340 rpm
Grinding wheel traverse	0.75 Kw
Coolant pump motor	0.4 Kw
Capacity of coolant tank	140 L
Max. grinding length	1400 mm
Max. grinding width	400 mm
Max. height of work piece	850 mm
Working table size	1400x600 mm
Grinding wheel size	Φ 410 mm
Number of segments	12 pcs
Vertical movement of wheelhead	150 mm
Feed of wheelhead per graduation	0.01 mm
Wheelhead traverse speeds	0~1000 mm/min
Overall dimensions(LxWxH)	2800mmx1200mmx2450 mm
Packing dimensions(LxWxH)	2850mmx1300mmx2200 mm
N.W/G.W.	3500/4000 kg

Design

Regardless of the height of the item to be ground the machine has the same rigidity of the grinding head, always giving you the best and fastest grinding result.

Regardless of the height of the item to be ground the grinding process always takes place below eye height and easily in sight and reach of the operator.

The MG-1400 design makes the machine take up 30-35% less space than other surface grinding machines with the same capacity.



Grinding head with milling cutter

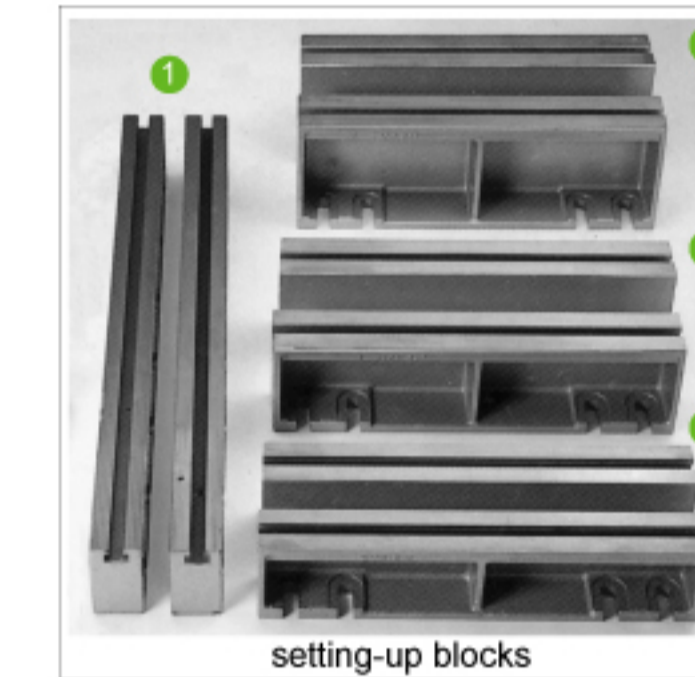


The motor of grinding wheel traverse



Electric box

Standard Accessories



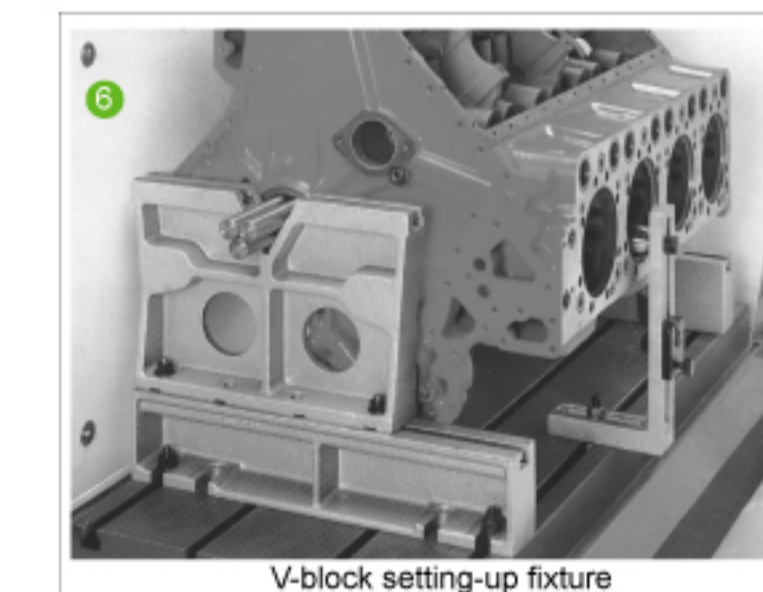
setting-up blocks

- 1 setting-up blocks: 1050mmx120mm
- 2 setting-up blocks: 600mmx130mm
- 3 setting-up blocks: 600mmx160mm
- 4 setting-up blocks: 600mmx200mm
- 5 wheel balance stand and arbor



wheel balance stand and arbor

Optional Accessories



V-block setting-up fixture

- 6 V-block setting-up fixture

The top face grinding of V-engine blocks with 60°-90° or any other inclination is very conveniently performed with this special setting-up fixture consisting of two pedestals, three bars and a clamping device.



universal support