

Specimen Grinding Machine



The New Controls Grinding Machine 'bench' single phase model provides laboratories with a compact and safe alternative to bulkier models traditionally available on the market.

Easily installed with single-phase power, it can grind and polish rock, concrete specimens, natural stones and ceramic materials with strict adherence to sample's tolerance dimensions required by the main International Standards, creating specimens that are perfectly suited to compression testing.

The machine is supplied complete with:

- Front safety guard
- Cooling system by main water supply or recirculating tank, filter and pump
- 6 standard abrasive sectors
- Clamping system and distance pieces for cubes up to 150 mm

Optional parts:

Clamping jigs for cylinders – cores and diamond abrasive sectors.

Benefits

Highly efficient: Its central grinding head and horizontal movable specimen platform can grind up to two concrete cubes (100 & 150 mm), two concrete cylinders (150 & 160 mm dia.) and up to four rock cores simultaneously.

Versatile: Suitable for dry grinding procedure, using a dedicated accessory.

Safe and reliable: Machine remains cool throughout the grinding process with new cooling system running from water mains or recycled water.*

Ergonomic: compact bench model saving precious laboratory space.

* This option comes complete with recirculating system with water tank, filter and pump.

Specifications

Dimensions and Weight

Grinding chamber dimension: 800 x 330 mm

Specimen platform stroke: +/- 250 mm

Effective working area: 320 x 170 mm

Max specimen size:
150 mm cubes and 160x320 mm cylinders

N° of grinding segments: 6

Grinding wheel dia.: 180 mm

Grinding head rotating speed: 2,800 rpm

Grinding head vertical stroke: 205 mm

Max vertical daylight: 340 mm

Min vertical daylight: 130 mm

Safety front guard conforming to CE

Total power: 1,600 W

Machine dimensions: 1071 x 980 x 920 mm (L x W x H)

Weight: 300 kg approx.

Tank dimensions: 500x255x200 mm (L x W x H)

Tank Weight: 10 kg approx.

Gross weight: 350 kg approx.

Ordering information

55-C0202

- Grinding machine for concrete cubes, cylinders and rock cores.
- Bench model version, 230V/50Hz/1Ph

55-C0202/Y

- As above but 220V/60Hz/1Ph

55-C0202/Z

- As above but 110V/60Hz/1Ph



▶ **Contact Us**

www.controls-group.com

CONTROLS GROUP

Controls Group

T +39 02 92184 1

F +39 02 92103 333

E sales@controls-group.com

www.controls-group.com

Italy (HEAD OFFICE)

www.controlsitalia.it

Poland

www.controls.pl

France

www.controls.fr

Spain

www.controls.es

Iraq

www.controlsmiddleeast.com

UK

www.controlstesting.co.uk

Mexico

www.controls.com.mx

USA

www.controls-usa.com