

DATA SHEET

Accelerated Polishing Machine (PSV)



Accelerated polishing machine

General description

The Polished Stone Value (PSV) of a material used as road surfacing is a measure of how rapidly it becomes polished under the action of vehicle tires. This machine is used to produce accelerated polishing, conforming to Standards, of stone chippings set onto the periphery of a special revolving wheel. After the cycle, involving two grades of emery powder, the polished specimens are tested on the skid tester (see links below) which gives the PSV, Polished Stone Value. The machine is electronically controlled by a keyboard with 4 row x 20 character LCD display. Complete with emergency stop button.

The machine is supplied complete with road wheel, side plate, rubber rings, two tired wheels, drive belt, abrasive feed mechanism, corn emery, flour emery, set of one specimen mould and one mould plate.

Main features

- Fully conforming to EN 1097-8
- Advanced digital interface for programming test steps and pauses
- Independent control of the two feeders
- Digital control of speed rotation
- Full protection of all the moving part area with safety switch
- Removable water tank, easy refill

Standards

- EN 1097-8

Specifications

Electronic control of rotation speed and feed mechanism

Digital display 4-row x 20-character

Aluminium wheel 406 mm dia.

DATA SHEET

Clamping device for specimen

Rotation speed adjustable from 315 to 325 r.p.m.

Two rubber tired wheel 200±3 mm dia.

Lever arm and weight loading the tired wheel on the aluminium wheel to
725±10 N

Feed mechanism for corn emery and flour emery **microprocessor controlled**

Electric motor: 750 W

Rated power: 850 W

Overall dimensions (hxwxd): 1800x980x510 mm

Weight approx.: 200 kg

Products

48-PV5264

Accelerated polishing machine. 110V/60Hz/1ph - Conforming to EN 1097-8, 1341, 1342, 1343

48-PV5262

Accelerated polishing machine. 230V/50-60Hz/1ph - Conforming to EN 1097-8, 1341, 1342, 1343.

Accessories and consumables

48-PV0525/13

Flour emery 5 kg pack

48-PV0525/17

Friction tester reference stone (Criggion Stone), ungraded. 20 Kg bag.

48-PV0525/18

Polished Stone Value (PSV) control stone, graded version (low percentage of waste material), 4 kg bag

48-PV0525/12

Corn emery 5 kg pack