

### Accelerated Polishing Machine

Make: LabTek

Model: SL-AG-021

Origin: India

Standards: EN 1341 | EN 1342 | EN 1097-8 | EN 1343

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.

Electronic control of rotation speed and feed mechanism

Digital display 4-row x 20-character

Aluminium wheel 406 mm dia.

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 (hwxwd): 1800x980x510 mm

Weight approx.: 200 kg



### Skid Resistance And Friction Tester

Make: LabTek

Model: SL-AG-022

Origin: India

Standards: EN 13036-4 (Also Conforming to EN 1097-8, ASTM E103)

Specification: Used for the measurement of surface friction properties, the apparatus is suitable for both site and laboratory applications and for polished stone value tests using curved specimens from accelerated polishing tests. The equipment is supplied with:

Additional scale for tests on polished stone value specimens

6 rubber sliders for site use, complete with conformity certificate

Thermometer -10 to +110°C for surface temperature measurement

1 litre washing bottle, for surface wetting

Tool set with case, for machine assembly

Rule for sliding length verification

Rocker weight : 1500 +/- 30 g

Distance between rocking centre & center of gravity : 410 +/- 5 mm

Positive static pressure on pavement : 22.2 +/- 0.5 kn

6 rubber slider and base plate dimension (mm) : 700x360x70



### Pulveriser

Make: LabTek

Model: SL-AG-023

Origin: India

Standards: IS, BS

Specification: Designed for grinding materials to produce fine mesh samples Ideal for use in Cement and Chemical Industries

Self contained grinder with a rotating disc having planetary movement in vertical plane

Reduces about 450g quartz type material to 100 mesh in one minute

Dia. of grinding wheel: 175mm

Material of grinding wheel: High Carbon Steel having 53-60 HRC hardness

Input of material: 6mm

Suitable for operation with 440V, Three Phase, A.C. supply

