



HUMBOLDT

Three-Wheel Polishing Device



H-3212

The New, Humboldt H-3212, Three-Wheel Polishing Device, is designed to simulate the polishing effects of traffic on asphalt pavement. Polishing of unbound aggregates per AASHTO PP103 and asphalt mixtures per AASHTO PP104 can be accomplished. The convenient staging area eases the installation and removal of the molds in the testing area and enables testing with the Dynamic Friction Tester (DFT) before and after polishing of the sample. Electronic actuators lift and lower the wheel carriage onto and off the sample. The VFD allows for a variable rotation of 50-70 rpm from the rugged 1/2 hp gear motor. A counter mounted on the electronic controller counts down, stopping the test and water pump automatically after reaching 100,000 rotations.

Specifications

Technical Specifications

- 115/130 VAC, 60Hz
- 1/2hp, three phase gear motor
- VFD (Variable Frequency Drive) Controlled
- 115V, 60Hz Submersible water pump
- RPM range: 50-70

Frame

- Rugged 80/20 aluminum slotted frame
- Clear plexiglass on all 4 sides
- Front access door with safety cut off switch
- Locking door hinges prevent door from closing when open
- Sample/mold adjustment and locking knobs, locks the mold in place preventing it from moving during testing
- Electronic actuators lift and lower the wheel base
- Unit provides 6-inch clearance when wheelbase is lifted
- Easy-Load Plate provides easy insertion and removal of mold

Wheelbase

- 145 ±5 lbs, including steel weights and carriage assembly
- Three 2.8/2.40-40 tires on heavy-duty swivel casters
- 11.2" diameter wheel path
- Connects to electronic actuator for easy lifting and lowering

Staging Area

- 24" x 22" sample staging allows the user to easily slide the sample in and out of the testing area
- Stainless steel metal platform

Water Basin

- 5' L x 3.5' W x 6" D with drain valve

Includes

- H-3212.13 Casting Mold
- H-3212.13.3 Sample Holder



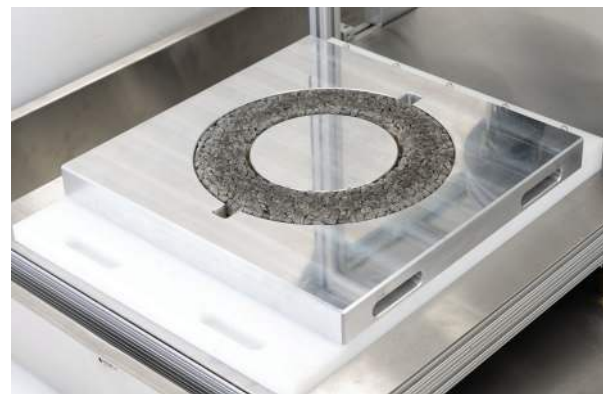
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Wheelbase assembly



H-3212.13 Casting Mold



H-3212.13.3 Sample Holder



Humboldt Mfg. Co.
www.humboldtmfg.com
875 Tollgate Road
Elgin, Illinois 60123 U.S.A.

U.S.A. Toll Free: 1.800.544.7220
Voice: 1.708.456.6300
Fax: 1.708.456.0137
email: hmc@humboldtmfg.com