

# HAMBURG WHEEL TRACKING MACHINE HTHY-0766

## **STANDARD: AASHTO T340**

The Hamburg Wheel Tracking Machine HTHY-0766 is a lab testing equipment for the asphalt industry. It is used to test the wearability & water damage potential of asphalt mixes.

Constructed out of corrosion resistant architectural grade 304 and 316 stainless steel tubing, the rigid frame and components of the Wheel Tracking Machine HTHY-0766 provide incredible stiffness to the frame and loaded wheel assemblies, ensuring that rut depth measurements are not impacted by the stiffness of the machine. Electronics are isolated from the moving components of the machine and encased in a custom stainless steel cabinet to ensure protection from the elements, easy servicing, and plug-and-play replacement in the future.

The Auto-Lift Feature allows for complete testing automation by protecting specimens from the effects of pre-loading during sample conditioning, and allows both samples to complete the entire testing procedure should one sample fail prematurely.



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## STANDARD ACCESSORIES

- Stainless Steel Sample Trays– 40mm, 50mm, 60mm, 80mm, 100mm, and 120mm Sizes Available
- Gyratory Sample Holders – 40mm, 50mm, 60mm, 80mm, 100mm, and 120mm Sizes Available
- Computer with Pre-Loaded Software – All-In-One PC with Articulating Mounting Arm

## OPTIONAL ACCESSORIES

- Stainless Steel Overhead Crane
- Standard Electric Chain Hoist and Trolley

## TECHNICAL PARAMETERS

Sample Size	320mm×260mm, thickness 40mm, 60mm, 80mm, 100mm; $\phi$ 150mm, thickness 60mm
Rut Depth Measurement	0 to 50mm; 0.01mm
Water Temperature	15℃ to 70℃ +/- 0.3℃
Wheel Travel	230±10mm
Wheel Load	705N±4.5N
Wheel Dimensions	203.2mm diameter, 47mm wide
Measurement Frequency	52±2 passes
Real Time Display	Temperature, Rut Depth, Speed, and Test Duration
Data Output	Sample Inflection Point (SIP)
	Creep Slope/Stripping Slope
	Rut Depth Profiles
	Temperature
	Export to Microsoft Excel
Software Compatibility	Microsoft Windows XP, Vista, 7, 8, and 10
Machine Construction	Stainless Steel, Copper, Brass, and Plastic
Motor	2 HP Geared
Water Service	Cold Water, Hot Preferred, Drain Height 14" or Less
Compressed Air	97-104 PSI
Power supply	208-230VAC 50/60 Hz 3-Phase or Single Phase

