

TWA-18 Tire & Wheel Uniformity Machine



Machine Specifications

Tire Outside Diameter Range	20-36 in (508-914 mm)
Bead Diameter Range	10-30 in (254-762 mm) (Limited by rim and tire O.D.)
Rolling Radius Minimum	8.5 in (216 mm)
Loadwheel Diameter/Width.....	33.6/18 in (854/457 mm)
Tire Tread Width Maximum	17.5 in (445 mm)
Tire Cross Section Width Maximum	19 in (483 mm)
Rim Width Range.....	3-15 in
Test Load Maximum	3000 lbf (1335 daN)
Tire Weight Maximum.....	100 lb (46 kg)
Spindle Speed	0-120 rpm
Shipping Weight (Approx.).....	16500 lb (7500 kg)
Floor Space (Approx. with entry & exit conveyors) – L x W x H	186 x 108 x 115 in (4725 x 2743 x 2921 mm)

Standard Features

- * TTOC or MSI Controller
- * Center Lift Conveyor
- * Anti-Damage Mischucking System
- * Variable Speed Spindle Motor
- * Precision Spindles & Bearings
- * Frictionless Loadwheel Carriage
- * Loadwheel Carriage Servo Motor
- * Precision Collet Chuck Assembly
- * Hold Down Cylinder Assembly

Optional Equipment

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|---|---------------------------|---|
| * Bar Code Reader | * Entry Conveyor | * Radial Runout/Lateral Runout Assemblies |
| * Loadwheel Cleaner | * Precision Chuck Tooling | * Tire Sidewall Inspection System (TSIS) |
| * Multi-Level Sorters | * Calibration Equipment | * Center Grinder Assemblies |
| * Marking Assemblies | * CE Compliance | * Shoulder Grinder Assemblies |
| * Exit Drop Conveyor | | |
| * Final Finish Host computer system for data collection, quality reporting and mixed mode (lot size 1) processing | | |

PATENTS: 5323646, 5363698, 5845232, 6431963, 6439042, 6568258, 6578275, 6584877, 6620030, 6763706, 6773334, 6786800, 6892612, 6931911

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