

Radial Fatigue Two-Position Tire and Wheel Test Machine



STLSM
MACHINERY DIVISION
Testing Systems
for Industry
*Tough On Testing.*SM



Radial Fatigue Two-Position Tire and Wheel Test Machine

The Standards Testing Laboratories' Radial Fatigue Two-Position Tire and Wheel Test Machine is a proven workhorse for testing tires and wheels worldwide. Designed to customer specifications, these machines can be manufactured to accommodate varying sizes of test product through a range of loads and speeds. The Allen Bradley SLC 5/05 with ethernet network allows up to 10 test stations to be operated from a central location.

Features:

- Hydraulic loading with self-contained hydraulic power unit
- Closed loop control
- Cantilevered wheel/tire mounting for easy access
- One piece heavy duty frame with 2 test positions
- Control panel with Allen Bradley SLC 5/05 (PLC) with master computer
- Operator interface panel (touch screen)
- PLC and computer communicate through ethernet network
- Optional tire/wheel assembly lifting hoist

Capabilities:

- Air pressure control from 10 psi to 150 psi available with remote inflate/deflate for improved safety
- Slip and camber control up to +/- 6 degrees, constant and cyclic
- Lateral force measurement capability
- Spindle braking available for enhanced safety
- Traceable calibration standards available for load, speed, and air pressure

Specifications:

Roadwheel diameter	67.227 inch, 84 inch, 120 inch, and 2 meter
Roadwheel width	18 to 36 inches
Roadwheel Speeds	Up to 300 mph, dependent on loading
Roadwheel Loads	Up to 50,000 pounds, dependent on speed



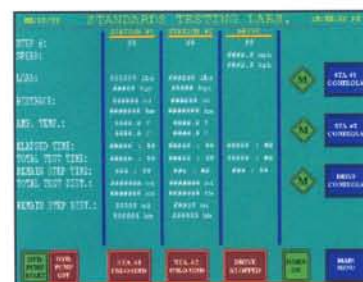
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Optional assembly lifting hoist



Touch screen control



Close-up of touch screen