

6 Position PLT Endurance Tire Test Machine

Highly efficient endurance testing

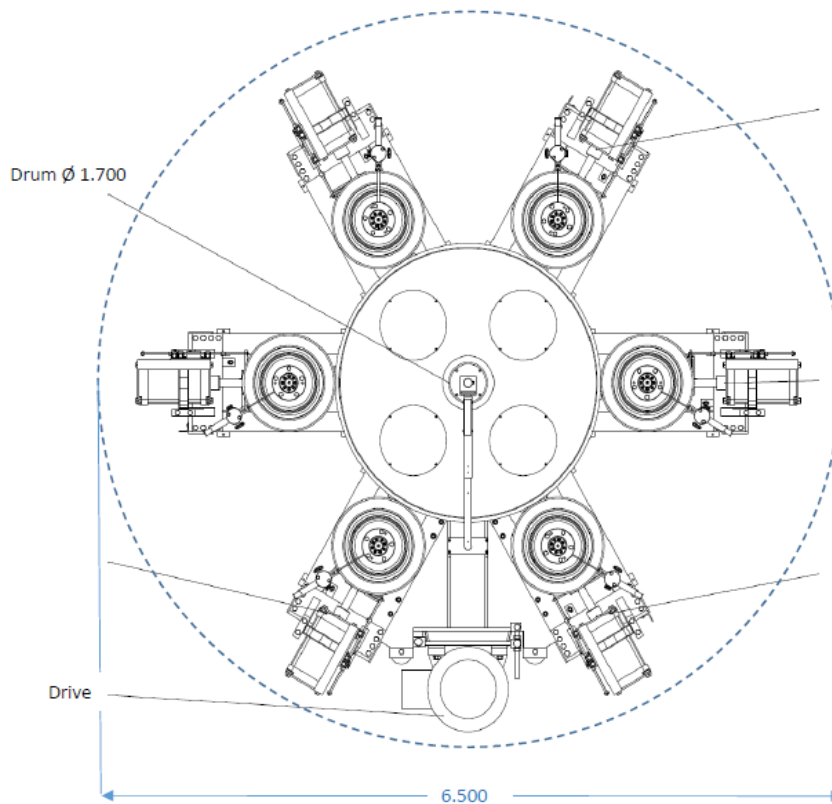


Key facts:

- Economic endurance testing under heavy load conditions
- compliant with mandatory regulations local and abroad.
- horizontal drum
- 6 wheel stations
- standard mechanical interfaces
- a high performance AC servo motor with pulley wheel drive
- wheel carrier under load free from bending torque
- pneumatic or optional hydraulic loading
- Precision linear guides for smooth motion of the wheel carriers
- best control performance with highest accuracy
- bulge detector systems for emergency shut down
- safety housing according to CE Standards
- sliding doors with safety guard
- load stations accessible with crane to support mounting
- workstation with graphical user interface (GUI) for easy set-up and management of tests
- customized GUI design and standard test report
- data export and further treatment with common analysis tools, i.e. to MS EXCEL/ MS WORD

Specification

PARAMETER	Specification
Wheel load station	
Road wheel diameter	1.707,6 mm
Max. Speed	≤ 160 km/h
Load Range	0 ... 35.000N (3.500 kg)
Tire Diameter Range	400 ... 1100 mm
Loaded Radius (RL) Range	200 ... 550 mm
RL Accuracy	± 0.1 mm
Effective Rolling Radius (Re) Range	no limits, calculated value
Re Accuracy	± 0.1 mm
Inflation pressure (Pi) control range	0 ... 7 bar/ 0 ... 700 kPa Cap & Control
Carriage Travel Speed Loading	standard 5 mm/s, fast gear 25mm/ s (customizable)
Camber adjustment	± 5°
Bead-/ rim diameter	11 ... 28"
Rim width range	4 ... 15"



Test Stand outline

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