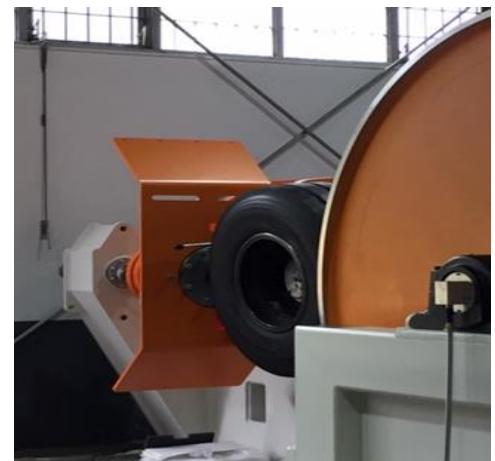
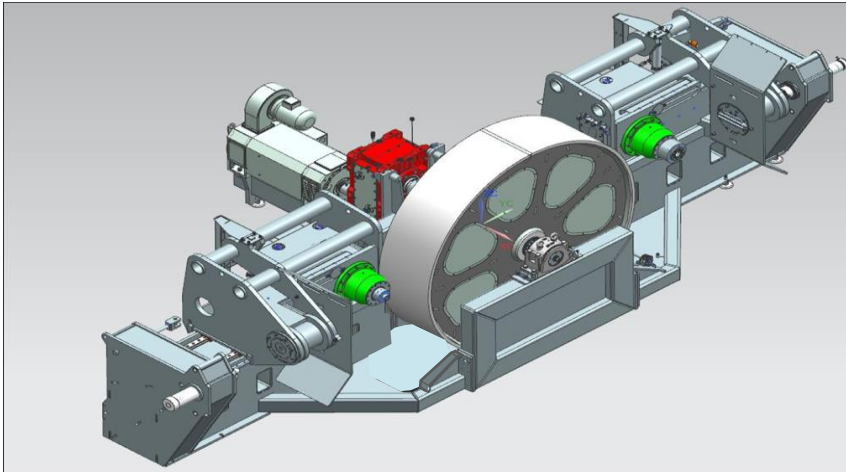


## 15t / Truck & Bus Sidewall Endurance Testing Machine

T&B tire steering performance loss measurement

- 1 or 2 position test stand available
- 15 t max. wheel load
- 4 t max. sideforce  $F_y$
- $\pm 10^\circ$  dynamic slip-angle variation
- Selectable angle- or force-control
- wheel load  $F_z$  application and measurement in the vertical wheel axis
- high precision side-force  $F_y$  measurement hub
- hydrostatic lateral spindle bearing to eliminate friction
- bead-/ rim diameter 16 ... 24,5"
- max. section width 1.200mm
- 600mm - 1.400mm test-wheel-/ tire diameter
- 120 km/h max. speed
- 3.000mm x 1.200mm drum diameter x width (*customizable*)
- high performance AC servo motor with direct drive
- mechanical and/ or optical bulge catcher available
- test stand integrated daily  $F_y$  quick-calibration device
- inflation pressure control system with cap test function
- tire inside/ outside temperature measurement systems
- TCP/ IP remote service connection
- state of the art operator workplace
  - fully machine function control
  - test definition, execution and standard reporting guided by a customizable GUI
  - customized GUI
  - data export for further treatment with common analysis tools





### T&B Sidewall Endurance Testing Machine Measurement specification

PARAMETER	Specification
Speed	R/L 120 km/h
Speed Instrumentation Accuracy	+/- 0.05 kmph
Speed Control Accuracy	+/- 0.1 kmph
Acceleration	20km/h in < 30 sec
Operation Temperature	10 - 50° C
Time measurement accuracy	1ms
Tire Diameter Range	600 ... 2.500 mm
Loaded Radius (RL) Range	250 ... 1.250 mm
RL Accuracy	± 0.1 mm
Effective Rolling Radius (R <sub>e</sub> ) Range	no limits, calculated value
R <sub>e</sub> Accuracy	± 0.1 mm
Carriage Travel Speed Loading	≤ 20mm/s adjustable, multi-level storage
Load Range	0 ... 300 kN (30.000 kg)
Load Instrumentation accuracy	1/32.000 FS
Load Control accuracy	± 150N/ 1.5% FS With 300 kN load capability

PARAMETER	Specification	Remarks
Inflation pressure (Pi) regulation range	0 ... 12.5 bar/ 0 ... 1.250 kPa (measuring range 0...1.600 kPa)	Range 1) 0...500 kPa/ Range 2) ≥ 500...1.250 kPa
Pressure Instrumentation accuracy	± 0.1% FS	
Pi Control Accuracy	± 1.0 kPa	
Pi Control Capability	Cap & Control	
Test Standard	customizable	technical specification according to valid regulations
<b>Optional Measurement Equipment</b>		
Rolling Resistance (RR)-measurement range	0 ... 12.000 N (with 300 kN max. load)	
RR instrumentation accuracy	0.2% (10 kNm)	0.2% (15 kNm)
RR repeatability	0.03% (10 kNm)	0.03% (15 kNm)
RR Drift	0.03% (10 kNm)	0.03% (15 kNm)

Contact us to learn more about **Altracon** ● the solution provider