SEICHTER

Tire Inspection Systems

TIC

Tire Inspection Center

Data Sheet

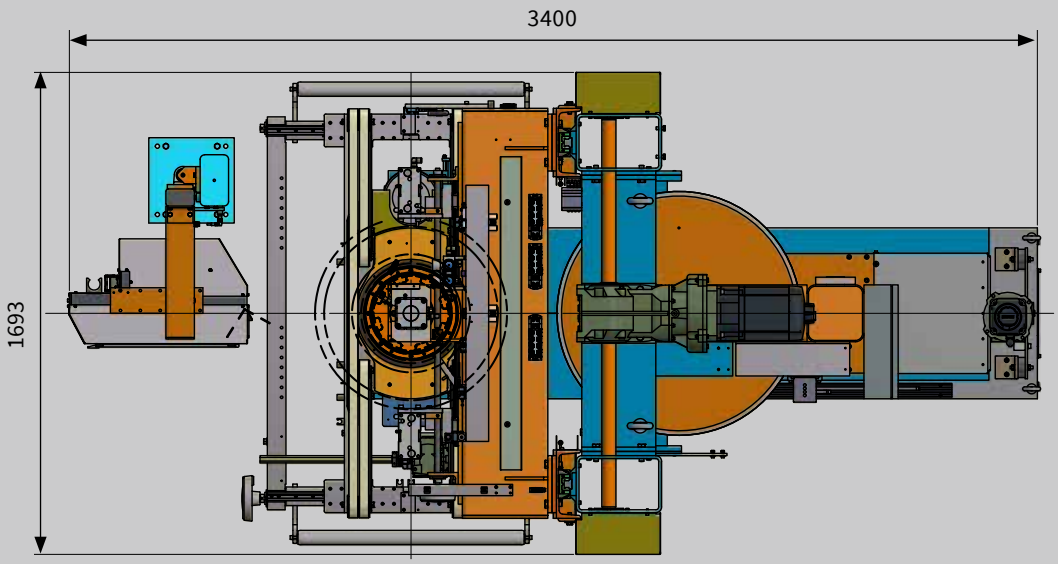
# Geometry Measurement

**Final Finish for Passenger, Light Truck and Motorcycle Tires**

## What matters

- Fast and precise control of the filling pressure as the basic prerequisite for good measured values and short cycle times
- Suppression of sidewall design when evaluating for bulge and depression
- 1 to 31 harmonics
- Evaluation of the measured parameters with the TireChecker from Fraunhofer
- Very compact design of the positioning system leeds to the smallest possible footprint for geometry inspection
- Outstanding repeat accuracy of the long time proven Seichter machine concept
- High availability due to large maintenance intervals
- Good accessibility as the positioning system can be swiveled
- Energy recovery reduces the consumption of electrical energy

## Footprint

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| **Machine data** | |
|---|---|
| Rim diameter | 12” to 25” |
| Machine rim width range | 6.5” |
| Load wheel | ø 854 mm x 16” width |
| Supplies required Electrical Pneumatic | 3 ph, 400 V, 50 Hz, 35 A 600 kPa |
| Height | 2.360 mm |

| **Tire data** | Min | Max |
|---|---|---|
| Bead diameter | 12” | 25” |
| Bead width | 2.5” | 14” |
| Outside diameter | 476 mm | 950 mm |
| Tire cross section | 127 mm | 400 mm |
| Tire weight | 5 kg | 50 kg |

| **High speed camera with line laser** | |
|---|---|
| Measurement range | 60 mm |
| Profile width | 75 mm |
| Measurement speed | 60/min |
| Profiles per revolution | 2.000 |

| **Technical specifications** | |
|---|---|
| Cycle time*<br>(One direction of rotation, without rim width adjustment, test pressure 400 kPa) | 14.5 s |
| Runout/harmonics | 0.035 mm |
| Repeat accuracy (s)** | ≤ 0,02 mm |
| Test pressure | max. 500 kPa |

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* (s) Average standard deviation

** Measurement conditions: 10 x 10 test, verifiably tested master tires 16” (205/55 R16) with stable values, test pressure 400 kPa, rim contour as per WDK 109, tire mounting lubricant Dr. Schnell C12

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