



OTHER IMPRESSIVE FEATURES:

▶ **Machine frame made of cast mineral:**

Non-sensitive to external interference,
No separate foundation required

▶ **CAB measuring unit technology:**

Schenck standard, coupled with PC-
technology as per the industry standard
and touchscreen terminal

▶ **Schenck Service:**

Global service network with
24-hour helpdesk availability



TECHNICAL DATA:

TBpro

- ▶ Maximum rotor weight: 15 kg
- ▶ Maximum rotor diameter: 350 mm
- ▶ Journal diameter: 6 – 70 mm
- ▶ Bearing centre distance: 60 – 600 mm
- ▶ Minimum achievable residual unbalance: 0,1 gmm
- ▶ Non-magnetic component design

TBxpert

- ▶ Maximum core assembly weight: 5 kg
- ▶ Maximum flange diameter on the turbine side: 150 mm
- ▶ Maximum turbine wheel diameter: 130 mm
- ▶ Maximum compressor wheel diameter: 153 mm
- ▶ Minimum achievable residual unbalance: 0,05 gmm



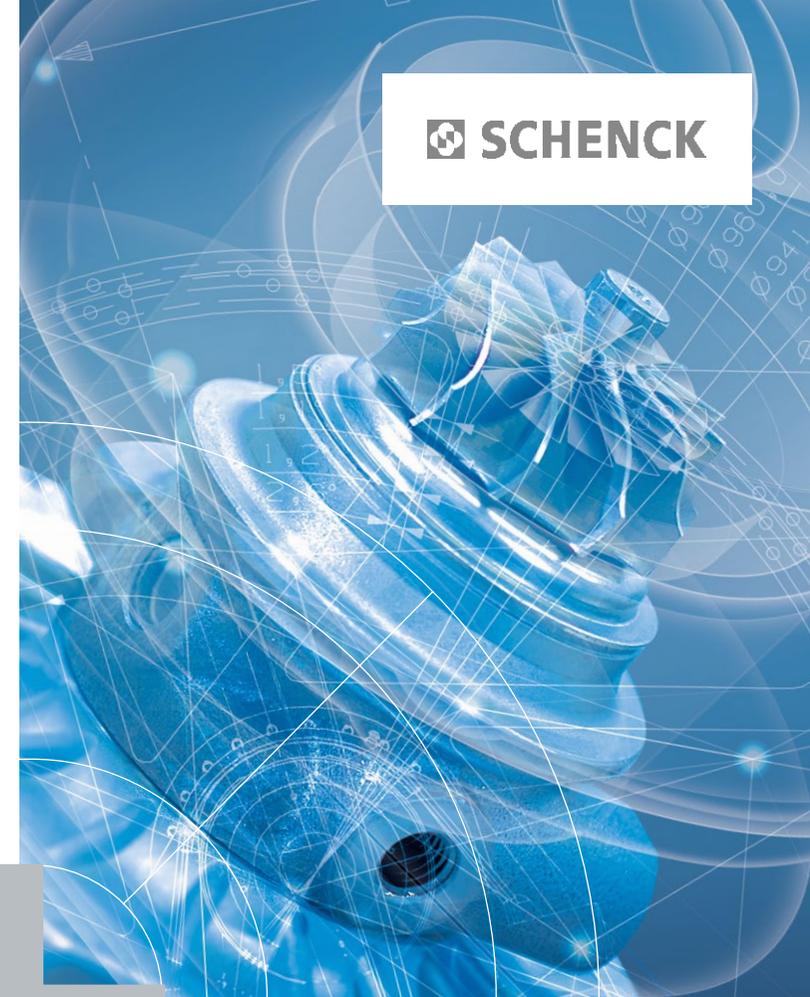
SCHENCK RoTec GmbH
Landwehrstraße 55
64293 Darmstadt, Germany
T +49 6151 32-2311
F +49 6151 32-2315
rotec@schenck.net
www.schenck-rotec.com

The  Group

www.turbobalancer.com



RT1083e - 01.0818 - MARA - MARA - All specifications are given without commitment. Subject to amendment.



 **SCHENCK**

HIGH PRECISION BEST PRACTICE

Precision balancing of turbochargers



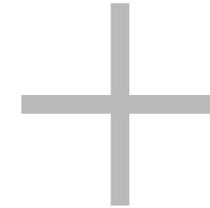
TBpro & TBxpert

The ideal duo for research and development as well as production of small batch sizes

TBpro and TBxpert are the new duo for measuring the unbalance of turbocharger components and core assemblies. Both machines ensure precise balancing results, great quality and considerable economic efficiency.

The result:

precise, smooth and ready for series production.



TBpro

- + Basis for balancing conventional turbocharger components and permanently magnetised rotors
- + Bode and Nyquist plots including real time display during run-up
- + Processing of different reference marks by the reference sensor using laser technology
- + CAB 920 measuring unit: precise, reliable, high-end

TBxpert

- + Unbalance measurement on the turbocharger core assembly
- + Automatic speed control
- + 1- and 2-plane measurement
- + High-end software for analysis of the core assembly
- + Peak hold frequency spectrum and waterfall diagram

THE ADVANTAGES AT A GLANCE

- ▶ Highest degree of measurement accuracy
- ▶ Easy operation thanks to intuitive menu guide
- ▶ Extensive evaluation, export and analysis options
- ▶ Highest safety standards as per CE
- ▶ Compact monoblock machine made of cast mineral
- ▶ Broad range of applications (passenger car, truck, marine)
- ▶ Considerable economic efficiency (quick change over to small batch sizes)
- ▶ Fast and precise determination of the unbalance