



High measuring accuracy and efficiency

Safe and simple handling

Infinitely variable DC drive

Large weight range

Ergonomic working height

CAB 700 measuring instrumentation with clearly organised digital display

Enclosure typ C60 in accordance with ISO 7475

Turbocharger Balancing Machine

Series TB Comfort

Range of application

The TB Comfort balancing machines have been designed especially to balance reworked turbochargers. The machines are extremely accurate and include the accessories required for balancing turbocharger rotors.

The TB Comfort is equipped with CAB 700 measuring unit and a sophisticated drive control system. The infinitely variable speed drive makes it easier to control balancing speed. The result is improved balancing efficiency and accuracy.



Prism inserts for turbochargers turbine wheel



Roller inserts for larger heavier turbochargers



Measuring unit CAB 700



Overslung belt drive

Design

- Hard-bearing, horizontal balancing machine with permanent calibration.
- The entire workstation consists basically of the following main components: machine table, base frame with roller or v-type supports, belt-drive as well as measuring unit and control.
- The machine can be mounted without a foundation or having to be bolted down.

Special features

- Compact design with integrated measuring station and measuring instrument ensures low space requirements
- Simple to operate due to permanent calibration; no calibration runs required
- Correction in two planes or separate static/couple unbalance is possible
- automatic measuring cycle with infinitely variable values for run-up, measuring and braking time

Data at a glance

Rotor weight, symmetrical load - with roller inserts - journal diameter	[kg] [mm]	max. 5 max. 18
Rotor weight, symmetrical load - with prism inserts - journal diameter	[g] [mm]	max. 250 max. 8
Rotor diameter	[mm]	max. 120
Distance between bearing centers	[mm]	230
Belt driven diameter	[mm]	4 - 60
Min. achievable residual unbalance	[gmm]	0,2
Drive power	[W]	200
Balancing speed based upon 20 mm belt drive diameter	min ⁻¹	210 - 2100
Power requirement	[V]	230
Size, WxDxH	[mm]	1400 x 800 x 1500
Colour		RAL 7024 / 7035 graphite grey / light grey
Options		
Roller carriages (max. 16 kg) - journal diameter	[mm]	6 - 30
Roller carriages (max. 16 kg) - journal diameter	[mm]	30 - 70



Balancing and Diagnostic Systems

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