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Turbocharger Balancers and Flow Benches



CMT-TR POLIMER

TURBOCHARGER ROTOR BALANCING MACHINE

CMT-TR POLIMER

Rotor balancing machine is applied in the first stage of turbocharger reconditioning process. The machine has been especially designed to dynamic balancing of all kinds of turbocharger rotors in two correction planes. It is suitable to balance the rotors of the turbochargers of passenger cars, light- and heavy-duty trucks.



ROTOR BALANCING MACHINE

Rotor mass	20 g - 5 kg
Maximum rotor diameter	200 mm
Maximum distance between roller bearings	200 mm
Rotor journal diameter range	5 – 20 mm
Unit of measurement	[mg], [gmm]
Number of correction planes	2
Minimum achievable residual unbalance	0.05 gmm
Maximum rotational speed	Up to 16 000 rpm
Specific rotor calibration	Standard calibration process that requires to make calibration runs with test weights to create a rotor setup file.
"ABC" rotor calibration	Simple calibration process that does not require to make any calibration runs to create a rotor setup file.



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GENERAL DATA

Safety guarding	C type with a guard locking
Mass of the machine	450 kg
Power supply	230 V, 50/60 Hz

CIMAT[®]

BALANCING MACHINES

**CIMAT MACHINES
ARE UTILIZED
IN MORE THAN
90 COUNTRIES
WORLDWIDE**



**OTHER AUTOMOTIVE APPLICATIONS ARE
THE BALANCING MACHINES FOR:**

drive shaft, crank shaft, clutch, dual mass flywheel,
brake disc, engine cooling fan, industrial wheel & tire.



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