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Turbocharger Balancers and Flow Benches



CMT-VSR *PRO*

HIGH-SPEED CORE BALANCING MACHINE WITH A FIXED-MOUNT CORRECTION CUTTER AND A SERVO-DRIVEN AIR VALVE!



FEATURES & ADVANTAGES:

- Top-notch noise reduction
- Fixed-mount correction cutter that ensures a fine quality surface finish
- Servo-controlled air valve to achieve the excellent unbalance measurement properties!
- Possibility to create a specific calibration for each core assembly model
- Universal, robust and innovative adapters system proven by the industry specialists
- Laser speed sensor for the core with a boreless compressor wheel
- Swivel wheels for a convenient machine move without the need to use a pallet truck
- Optional 2-plane slow-speed core balancing machine with the maximum mass capacity up to 16 kg and checking a core for a leak-tightness
- Made in Poland from the top quality European industrial components

FUNKCJA	CMT-VSR Pro	
Maximum diameter of turbine wheel	134 mm (Inducer)	114 mm (Exducer)
Max. diameter of compressor wheel	179 mm	
Maximum rotational speed value	300 000 rpm	
Air valve	Servo controlled	
Speed / cycle control	Automatic as per generated ramp-up curve	
Correction point	Automatically calculated	
Unit of unbalance measurement	milligrams [mg]	
Unit of vibration measurement	G, m/s ²	
Minimum achievable residual unbalance	0.05 gmm	
Correction cutter	Fixed-mount	
Reverse rotation core balancing	Yes	
Oil filtration	Multistage	
Guard	C type with a safety switch with a guard locking	
Air supply pipe diameter	1,25"	
Required air pressure	7 bar	
Required air tank capacity	For passenger car turbochargers: ≥ 500 l For large-frame turbochargers: ≥ 1,000 l	
Power supply	230 V, 50/60 Hz	
Weight	600 kg	
Specific calibration	Calibration process that requires to make a calibration run with a test weight to create a setup file for a given core model	
Manufacturer calibration	Simple calibration process that do not require to make a calibration run to create a setup file for a given core model	
Dimensions of the machine	1330 (1700) x 780 x 1800 mm	

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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