



C72

Wheel balancer with microprocessor for cars,
light commercial vehicles and motorcycles



CEMB

BALANCING MACHINES



C72

Wheel balancer with microprocessor for cars, light commercial vehicles and motorcycles

► General features



- ▷ Low balancing speed to reduce spin times.
- ▷ Gauge for automatic measurement of distance and diameter, and as an aid for the application of adhesive weights.
- ▷ Fully automatic cycle: START closing guard, measurement and braking. Automatic stop in the correction zone.
- ▷ Pedal-operated brake for wheel locking.
- ▷ Cone and adapter holders.
- ▷ Software menu for selecting options and customisations (grams/ounces; inches/millimetres; display of unbalance in 5 by 5 grams or 1 by 1 gram; tolerance threshold; automatic start; etc.).

- ▷ Self diagnostics and Self-calibration, for a simple maintenance.
- ▷ Balancing Mode:
 - on two planes
 - ALU- S (for correction inside the rim)
 - Static (for motorcycle wheels)
 - ALU for correction with the various application positions of different types of counterweights, clearly indicated on the display.
- ▷ SPLIT Program (or Hidden Weight) to hide the counterweight behind the spokes of the rim.
- ▷ OPTIMIZATION Program to reduce total unbalance and improve wheel eccentricity, comfort and silent operation.
- ▷ Eccentricity measuring system (1st Harmonic and Peak to Peak) with Sonar (option). Automatic start during balancing cycle allowing operators to get the information about wheel eccentricity without any time loss.
- ▷ Electrical power section easily accessed for maintenance.

Plus:

With the C72 alone it is possible to:

- ▶ **Read**, on a specific indicator panel, the position of the gauge inside the wheel in order to mount the counterweight in the exact position.
- ▶ **Correct**, behind the wheel spokes, with simple and clear indications through specific Leds.
- ▶ **Obtain indications** which are more explicit and clear through Led indicator sets.
- ▶ **Automatically measure** wheel width using the optional SONAR (CEMB patent), without using mechanical probes.
- ▶ **Measure dimensions** with the simple CEMB "intelligent" gauge system.
- ▶ **Minimise static residual unbalance** using 5 by 5 grams counterweights (CEMB patent).
- ▶ **Balance** spoked wheels with a single weight, leaving a residual unbalance within the set tolerance level (CEMB patent).



► C72 SE

With rapid and precise pneumatic wheel locking (CEMB patent).

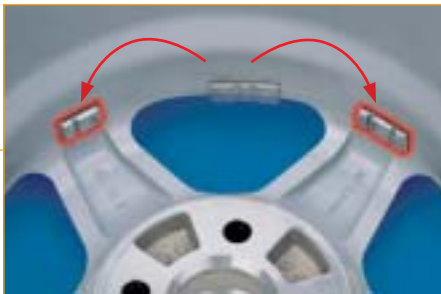
75 mm hold excursion: ideal for minimising operator manual intervention.

Does not require threaded lock ring or other specific devices.

Better precision, thanks to the high and constant tightening force independent of the power supply air pressure.

Safe, thanks to the pedal system with retainer.

Adaptable, in the event that stud bolt flange-adapters are used.



► Automatic minimisation of static unbalance

Initial unbalance

L 23 g - R 18 g
Position 50°

Possible approximations

L 25 g - R 20 g
Static residual 4 g

L 25 g - R 15 g
Static residual 3 g

L 20 g - R 20 g
Static residual 1 g

L 20 g - R 15 g
Static residual 6 g

With conventional wheel balancer

Select with minimiser

► Ease of use

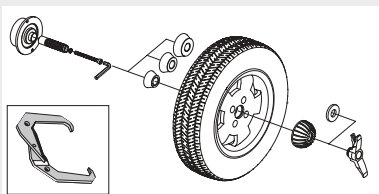


▶ Technical data

Single phase power supply	110-230V	50/60 Hz
Max. input (absorbed at the pickup)	1000 W	
Balancing speed	180 1/min	
Cycle time	6 seconds	
Rim diameter	10" - 26"	265 - 660 mm
Rim width	1,5" a 20"	40 - 510 mm
Max wheel diameter (with guard)	950 mm	
Max. wheel weight	70 Kg	
Gross weight	140 Kg	
Overall dimensions	1315x1690x1865 h mm	
Packing dimensions	1450x1040x1750 h mm	

▶ Accessories

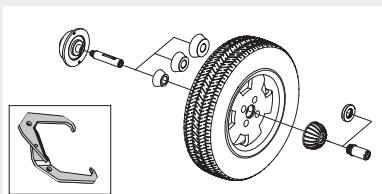
▶ standard



▶ **UC20 cone adaptor** with **GP** quick locking for wheels with central hole \varnothing from 43 to 110 mm.

▶ **Gauge** for wheel width measurement, only for machines without LA option.

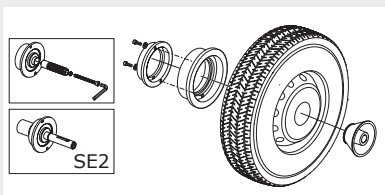
▶ for SE2 pneumatic locking



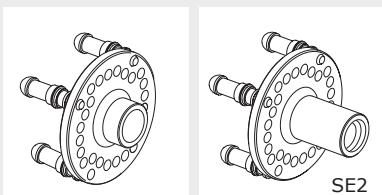
▶ **UC20-SE2 cone adaptor** for wheels with central hole \varnothing from 43 to 110 mm.

▶ **Gauge** for wheel width measurement, only for machines without LA option.

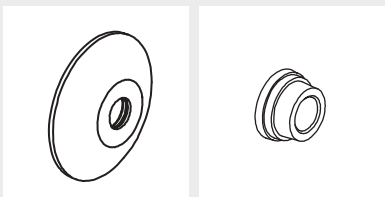
▶ optionals for using the cone type adapter



▶ **VL/2 CONE KIT** necessary to lock light truck wheels with central hole \varnothing from 97 to 180 mm.

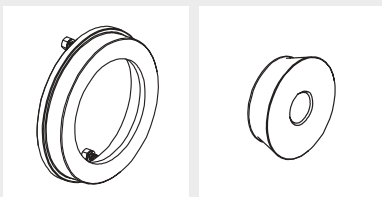


▶ **Adapters** with centering studs:
- **SR** standard
- **SR-SE2** for pneumatic locking.



▶ **RL hollow sleeve** \varnothing 206 mm, for alloy rims.

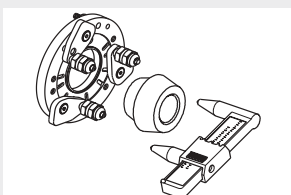
▶ **MT stepped cone** for German car rims (\varnothing 56,5 - 57 - 66,5 - 72,5 mm).



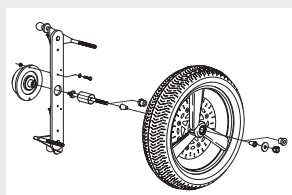
▶ **WD spacer** for car wheels with deep off-set and for off-road wheels.

▶ **J cone** for off-road vehicle with hole \varnothing from 101 to 119 mm.

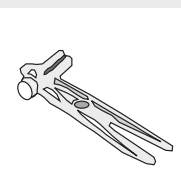
▶ optionals



▶ **UH20/2** for wheels with 3-4-5 holes, with/without central hole on a \varnothing from 95 to 210 mm. The additional cone (CEMB patent), in the majority of cases, allows to center the wheel from inside on the central hub seat, thus improving balancing accuracy respect to the traditional adapters on the market.



▶ **RMC20 MOT** universal adapter for standard and flanged or side hung motorcycle wheels (BMW - Aprilia - Honda - Ducati - etc.) and scooter wheels.



▶ **Pincer-hammer** for counterweights.



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