



C75

Wheel balancing machine
with 3D video



CEMB

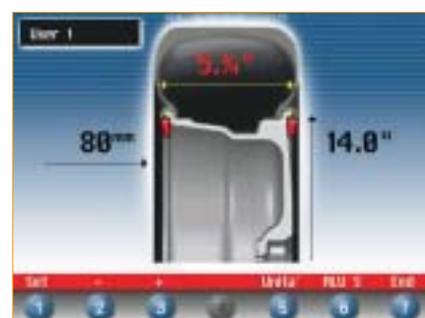
BALANCING MACHINES



C75

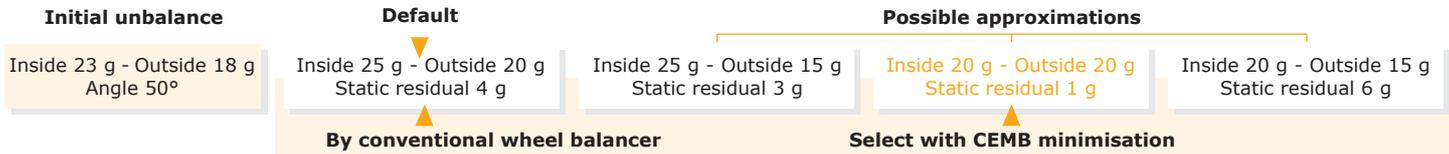
Wheel balancing machine
with 3D video

► General features



- ▷ **For car, light commercial vehicle and motorcycle wheels.**
- ▷ High definition 15" SVGA video with new advanced 3D graphics and a 256-colour combination.
- ▷ A balancing accuracy of 0,5 grams.
- ▷ Automatic input of the rim diameter and distance rim/machine by simply pulling out the gauge, without pressing any button.
- ▷ Personalised display, language and machine functions. Automatic Start.
- ▷ Unbalance tolerance threshold (adjustable).
- ▷ Self diagnosis and self calibration.
- ▷ Clock on video.
- ▷ Daily and total spin counter.
- ▷ Stationary foot-brake to ease locking and unlocking wheels on adaptors as well as for counterweights fitting.
- ▷ Automatic braking and automatic wheel positioning on outer side.
- ▷ Optimisation program to compensate the tyre unbalance with the rim unbalance.
- ▷ Four-operator program, to enable four different operators to memorize dimensions of four different vehicles at the same time. Possibility of writing names of operators on the screen.

► "Automatic" minimisation of static unbalance



Indicates the optimal value of weights to apply, by using an "intelligent" averaging system to minimise residual static unbalance unavoidable by using the standard weights on the market, available in 5 g ranges.

The static unbalance is the major cause to most car vibration. Thanks to static minimisation, balance quality appreciably improves with no effort and no loss of time for operator.

► For spoke alloy rims: SPLIT program

Counterweights are to be located inside the rim in a hidden position, behind spokes. SPLIT (vectorial component balancing) re-calculates the unbalance on the basis of selected number of spokes in order to correct behind the two nearest spokes.



► Ease of use



Plus:

- The correction planes set inside the wheel, can be found with distance gauge after the measure spin. A handy pincer allows the counterweight application in the exact correction position.
- Optional automatic wheel width measure using the Sonar system (CEMB patent), with no operator manual intervention.
- Measurement system of wheel radial eccentricity with Sonar (option), during balancing cycle (CEMB patent).

C75 SE

with new pneumatic locking
(CEMB patent)

CEMB long experience in developing and manufacturing pneumatic locking machines since 1978, guarantees unbeatable features of the new device fitted on the C75 SE.



- ▷ Reduced mounting efforts and maximum operator's safety. The wheel locks onto the machine shaft by a pedal placed in a functional and easy position.
- ▷ Considerable time saving: the standard device, with 70 mm thrust, drastically reduces the manual work in mounting the wheel.
- ▷ Extreme easiness of use: every kind of wheel with central hole can be locked by just one sleeve without using threaded nuts, wrenches or superfluous devices external to the machine.
- ▷ Improved accuracy in centering the wheel: thanks to the strong locking force of the device.
- ▷ It is possible to use a cone and/or an adapter with studs to get the maximum precision.
- ▷ Adaptability: traditional adapters can be used for balancing wheels without central hole.



Programs

▶ Programs



- ▷ Menu program with possibility of display, language and machine functions personalisation.



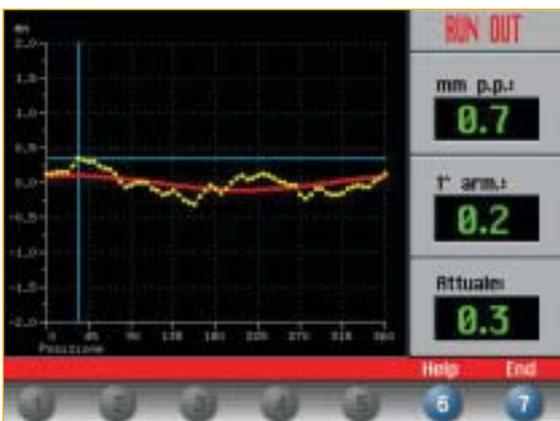
- ▷ Automatic wheel width measurement with CEMB patented sonar system (**option**).



- ▷ (Pre-set) out of tolerance radial eccentricity alarm.
- ▷ Procedure suggested for reduction.



- ▷ ALU-S function with "intelligent" gauge (automatic input of diameter and distance rim/machine) for correction on two planes inside of the wheel.
- ▷ Axial weight position indication for wheel in ALU-S and correction in a hidden position.



- ▷ 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.



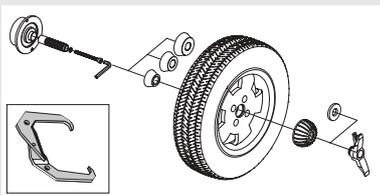
- ▷ SPLIT program to divide counterweights between spokes of alloy rims.

► Technical data

Standard power supply	115-230 V single phase	50/60 Hz
Max absorbed power	1100 W	
Balancing speed	180 rpm	
Balancing accuracy	0,5 g	
Cycle time	6 seconds	
Rim diameter	from 10" to 26" (from 265 to 660 mm)	
Rim width	from 1,5" to 20" (from 40 to 510 mm)	
Max wheel diameter (with wheel guard)	950 mm	
Max wheel weight	70 Kg	
Gross weight C75 (with cone adapter, pliers and wheel guard)	161 Kg	
Gross weight C75 SE (with cone adapter, pliers and wheel guard)	176 Kg	
Overall dimensions (mm)	1385x1690x1865 h	
Packing dimensions (mm)	1450x1040x1750 h	

► Accessories

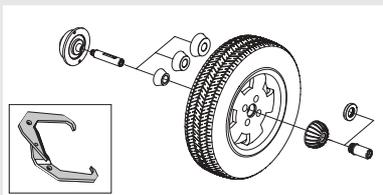
► standard



► **UC20 cone adapter** with **GP** quick locking for wheels with central hole Ø from 43 to 110 mm.

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

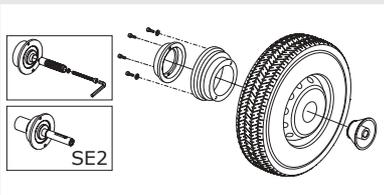
► for SE2 pneumatic locking



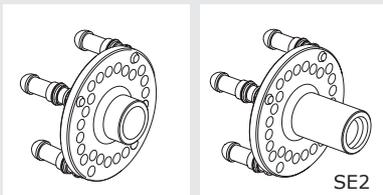
► **UC20-SE2 cone adaptor** for wheels with central hole Ø from 43 to 110 mm.

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

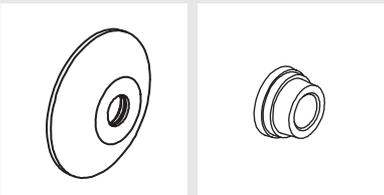
► options to be used on the cone adapter



► **VL/2 cone kit** necessary to lock light truck wheels with central hole Ø from 97 to 180 mm.

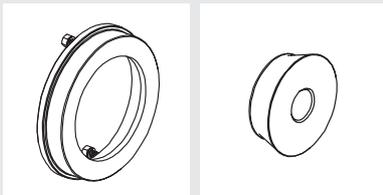


► **Adapters** with centering studs:
- **SR** standard
- **SR-SE2** for pneumatic locking.



► **RL hollow sleeve** Ø 206 mm, for alloy rims.

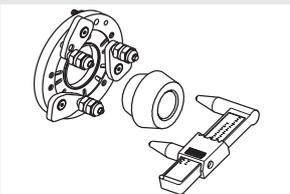
► **MT stepped cone** for German car rims (Ø 56,5 - 57 - 66,5 - 72,5 mm).



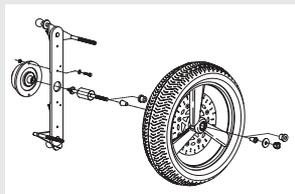
► **WD spacer** for car wheels with deep off-set and for off-road wheels.

► **J cone** for off-road vehicle with hole Ø from 101 to 119 mm.

► options



► **UH20/2** for wheels with 3-4-5 holes, with/without central hole on a Ø 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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