Electronic
microprocessor
based balancing
machine with 3D video

CEMB C73

BALANCING MACHINES

C73

General features

Electronic microprocessor based balancing machine with video, suitable for car, 4 -WD, light commercial vehicle and motorcycle wheels.

Adjustable SVGA video with 3D graphics and a 256-colour combination.

Optional wheel guard hood (compulsory in CE Countries). New space-saving model enabling the positioning of the machine rear side against the wall.

Automatic input of the rim diameter and distance rim/machine by simply pulling out the gauge, without pressing any button.

ALU-S function, for alloy rims and special shape rims, with “intelligent” gauge (the machine automatically detects if an alloy rim is used and stores diameter and distance for both correction planes) plus four ALU programs.

Personalised display, language and machine functions.

Unbalance tolerance threshold (adjustable).

Self diagnosis and self-calibration.

Stationary foot-brake to simplify locking and unlocking of the wheel 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 operators to memorize dimensions of four different vehicles at the same time. Possibility of writing names of operators.

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"Automatic" minimisation of static unbalance

Initial unbalance	Default approximations	Other possible approximations		
Inside 23 g - Outside 18 g Angle 50°	Inside 25 g - Outside 20 g Static residual 4 g	Inside 25 g - Outside 15 g Static residual 3 g	Inside 20 g - Outside 20 g Static residual 1 g	Inside 20 g - Outside 15 g Static residual 6 g
	By conventional wheel balancer	Select with CEMB minimisation		

It indicates the optimal value of weights to be applied, by using an "intelligent" averaging system to minimise the residual static unbalance, which would be unavoidable by using the standard weights on the market, available in 5 g ranges. The static unbalance is the major cause to most car vibrations. Thanks to static minimisation, balance quality appreciably improves with no effort and no loss of time for the operator.

Ease of use

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 right correction position (Position repeater).

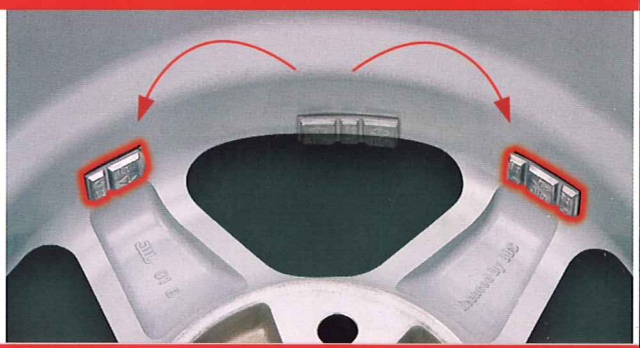
LA Sonar:
optional automatic measure of wheel width using the Sonar system (CEMB patent), with no operator manual intervention.

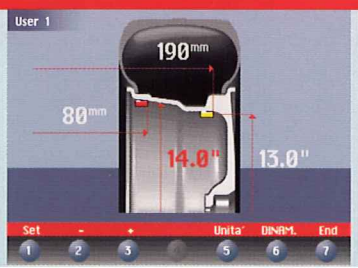
Option: **WBL80**

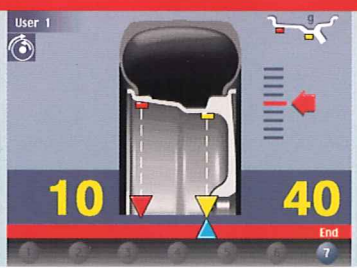
Pneumatic lift to reduce the operator fatigue and to allow a more precise centering of the wheel. More information on the specific catalogue.

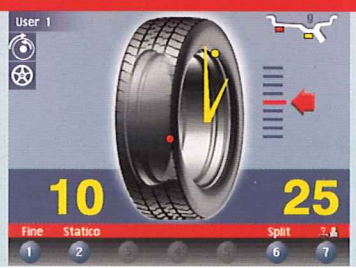
For spoked alloy rims: **SPLIT program**

Counterweights are to be located inside the rim in a hidden position, behind spokes.
SPLIT (vectorial component balancing) re-calculates the unbalance in order to correct it behind the two nearest spokes.
The SPLIT function available on CEMB wheel balancers is quicker and easier to use than the competitors'.



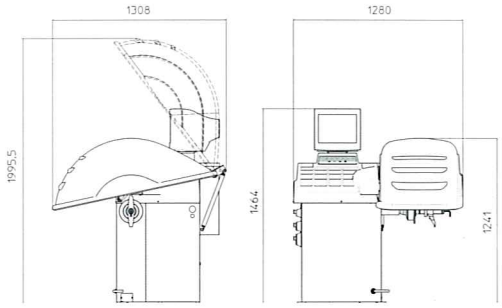






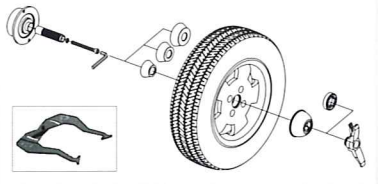
► Technical data

Standard power supply	115-230V single phase 50/60 Hz
Max. absorbed power	1100 W
Spindle shaft	Ø 40 mm
Balancing speed	180 rpm
Balancing accuracy	± 0,5 g
Cycle time	6 seconds
Rim diameter	10" ÷ 30" or 265 ÷ 765 mm
Rim width	1,5" ÷ 20" or 40 ÷ 510 mm
Max. outside wheel diameter	1060 mm
Max. wheel weight	75 kg
Gross weight C73 (with cone adapter, pliers and wheel guard)	126 kg
Packing dimensions	112 x 101 x 174 h cm



► Accessories (Ø 40 mm shaft)

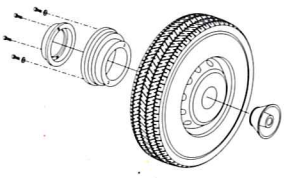
standard



UC20/2 cone adapter with **GP** quick lockring for wheels with central hole Ø from 43 to 110 mm.

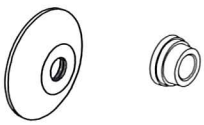
Gauge for wheel width measurement, only for machines without LA option.

options to be used with the cone adapter (Ø 40 mm shaft)



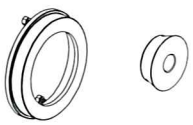
VL/2 cone kit necessary to lock light truck wheels with central hole Ø from 97 to 180 mm.

Adapters with SR centering studs:
- SR4, SR5, SR5/2, SR USA



RL hollow sleeve Ø 206 mm, for alloy rims.

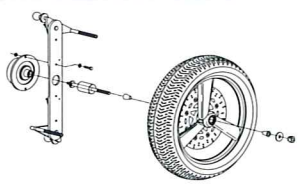
MT stepped cone for German car rims (Ø 56,5 - 57 - 66,5 - 72,5 mm).



WD spacer for car wheels with deep off-set and for off-road wheels.
J cone for off-road vehicle with hole Ø 101 to 119 mm.

other options (Ø 40 mm shaft)

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,



RMC20 MOT/2 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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