

ER80

spotter



PERFECT BALANCING
IN JUST ONE SPIN

THE ONLY
DIGITAL
BALANCER
WITH TOUCH
PANEL



CEMB





ER80

FROM CEMB EXPERIENCE

- **ER80** balancer is the result of CEMB consolidated experience in the manufacturing of high technology garage and industrial balancers since 1946. Development and cooperation with the most important car and tyre manufacturers guarantee to the professionals in the garage equipment field:
- **Reliability**
- **Easy and quick use**
- **Accuracy**
- **Completely configurable**
- **Reduced cycle time!**

INNOVATIVE DESIGN:

ERGOFAST

- With **ER80**, CEMB widens its range of products **ERGOFAST**, maintaining the concepts of ergonomics and practicality together with the original design
- **WBA Wheel Best Access**
Wide space to work inside the rim
- Multifunctional digital touch panel
- Ergonomic tool positioning **CLOSE AT HAND!**

CORE OF TECHNOLOGY

- **VDD Virtual Direct Drive** - very quick and maintenance free measurement system **CEMB PATENT**
- Lock of wheel in the correction position by means of an **electromagnetic brake**
- **LA SONAR** for automatic measurement of the wheel width **CEMB PATENT**
- Software programs for the professionals: **SPLIT, OPT, ALU**
- **Extended gauge** for diameter and distance measurement of rims up to 28"
- Led light to illuminate the working space inside the rim
- **ALU-S** balancing mode (adhesive weights on the internal rim planes) with specific counterweight position indicator (position repeater)
- **ER80SE - Pneumatic wheel locking** **CEMB PATENT**: Floor to floor time reduction / Extremely easy and quick to use / Very accurate wheel centering



PNEUMATIC LOCKING



CEMB PATENT



CEMB PATENT



SONAR LA



spotter

GREATEST ACCURACY DURING THE POSITIONING OF STICK-ON WEIGHTS THROUGH LASER SPOTTER: PERFECT BALANCING IN JUST ONE SPIN.

- Preview of the exact weight positioning spot visible already during the wheel dimensions acquisition phase.
- During the correction, the **LASER SPOTTER** pinpoints the exact position for stick-on weights application inside the rim. Thanks to the electric brake - which locks the wheel into the exact angular position of the unbalance - you avoid possible errors during the weight application making the balancing process faster, simpler and more precise.
- In static balancing mode, **LASER SPOTTER** detects the exact static weight location, in order to minimize the residual unbalance on the external planes.

ONE PLANE BALANCING: WHERE INNOVATION MEETS SIMPLICITY

- Enables to eliminate the static and dynamic unbalance by means of a single counterweight, indicating its exact application point on the inner side of the rim.

PRIME FACTORY MODE: OE BALANCING SOLUTION IN YOUR WORKSHOP

- The new PFM program derives from experience CEMB has in the industrial field. If selected the PFM indicates unbalance values related to the external planes, in accordance to the procedure used by OE manufacturers, which guarantees savings on both time and counterweights.

STANDARD ACCESSORIES

In 1952 Cemb created the cone adapters for balancing machines and since then the company continued developing and producing high precision centering systems for any type of wheel.

Cemb does not recommend the use of non-original adapters on its balancing machines.

UC20/SE2 41FF52768

Standard equipment composed of: 3 cones Ø 45÷110 mm, quick locking sleeve SE2, width gauge, pincer-hammer and 60 g counterweight.



PNEUMATIC LOCKING



UC20/2 GL40 41FF83149

Standard equipment composed of: 3 cones Ø 45÷110 mm, quick locknut GL40, width gauge, pincer-hammer and 60 g counterweight.



MANUAL LOCKING



OPTIONAL ACCESSORIES - Especially designed for car manufacturers



RL CUP 41FF79255

Large plastic cup with polyurethane protection ring for light alloy rims.

UH20/2 41FF42048

Universal adapter for all wheels with 3,4,5,6 holes (pitch circle Ø 95-210 mm) complete with high precision back centering double cone (Cemb patent) for wheels with/without central hole (Renault, Peugeot and Citroën). Grants double accuracy compared to similar adapters on the market.

PEUGEOT-CITROËN KIT 41FF73171

High precision kit composed of: 1 bush Ø 60mm + 2 cones (Ø 62 ÷ 68 mm and Ø 54 ÷ 60 mm). Developed according to Peugeot and Citroën specifications.

VL/2 CONE + G36 DISC 41FF86174

Kit for light truck wheels (Ø 97÷170mm central hole).

SR4 - SR4/SE - SR5 - SR5/SE SR5/2 SR5/2/SE - SRUSA - SR/USA/SE

Stud adapters for rim protection and high precision centering for wheels with 4 or 5 holes. Studs are made of two pieces, elastically coupled: pressure is therefore homogeneous on all the holes.

RENAULT KIT 41FF77152

High precision kit composed of: 5 bushes (Ø 60 / 66 / 71 / 88 / 129,9 mm). Developed according to Renault specifications.

MT CONE 40FF57321

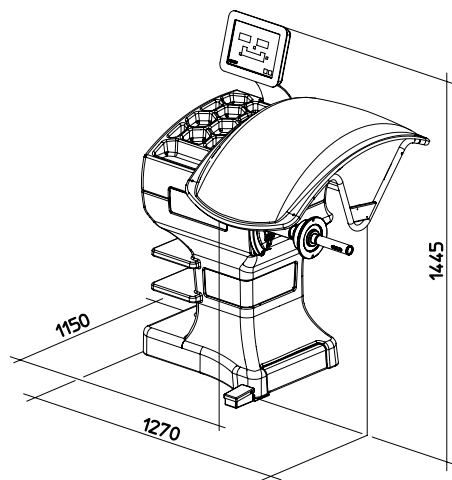
High precision graduated cone for German cars (with central hole Ø 56,5 / 57 / 66,5 / 72,5 mm).

MERCEDES KIT 41FF88003

High precision kit composed of: 3 cones (Ø 57 - Ø 66,5 - Ø 84/85mm) + 1 pressure spring, according to Mercedes Benz specifications.

FOR MORE INFORMATION SEE THE COMPLETE BROCHURE ON THE WEB SITE

www.cemb.com



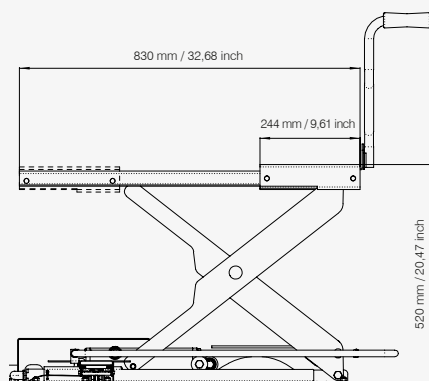
AVAILABLE IN TWO VERSIONS:

ER80 Manual locking, electric brake

ER80SE Pneumatic locking with safety control and electric brake.

Single phase power supply	115 / 230 V 50/60 Hz
Max. absorbed power	0,15 Kw
Balancing speed	100 rpm
Measuring cycle for 15 kg (33 lb) wheel	4,7 s
Measurement uncertainty	0,5 g
Average noise	< 70 dB (A)
Rim width setting range	1.5" ÷ 20" / 40 ÷ 510 mm
Rim diameter setting range	10" ÷ 30" / 265 ÷ 765 mm
Min./Max. compressed air pressure	8 ÷ 10 Kg/cm ²
	~ 0.8 ÷ 1 Mpa
	~ 8 ÷ 10 Bar
	~ 115 ÷ 145 Psi
Max. wheel weight	< 75 kg
Machine weight	120 kg

OPTION TO INCREASE YOUR PROFITABILITY - ZERO WEIGHT LIFT



Zero gravity effect
Wheel loading and removal without effort or adjustment

PERFECT CENTERING

Wheel automatic lifting
Ideal centering and more accurate balancing

QUICK

Quicker than any other traditional lift
A single pedal controls the whole working cycle

AUTOMATIC

Electronic system with PLC

UNIVERSAL

Applicable to any CEMB balancing machine

For more information see the complete brochure on the web site www.cemb.com



CEMB

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