

ER 85^{SE}



spotter

RUN-OUT AND
BALANCING
IN ONE
SPIN ONLY



CEMB



ER85^{SE}

FROM CEMB EXPERIENCE

- **ER85^{SE}** 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 **ER85**, 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
- Innovative touch screen
- 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"
- Multi-user icon selectable on the touch screen
- Tyres set
- Led light to illuminate the working space inside the rim
- **Eccentricity measurement with sonar** (1st Harmonic and Peak to Peak) Automatic and quick eccentricity measurement during the normal balancing cycle
- Alarm signal if radial eccentricity is out of tolerance
- **ALU-S** balancing mode (adhesive weights on the internal rim planes) with specific counterweight position indicator (position repeater)
- **ER85SE - 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



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/SE - SR5/SE SR5/2 SR5/2/SE - 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

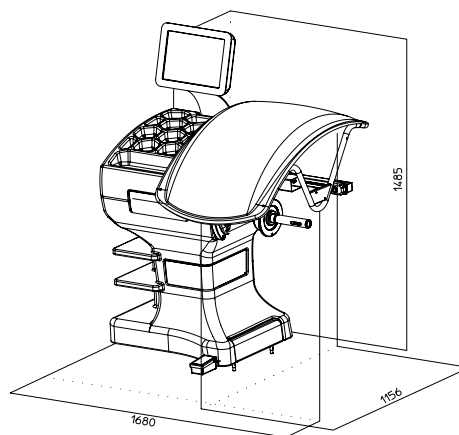
High precision graduated cone for German cars (with central hole Ø 56,5 / 57 / 66,5 / 72,5 mm).

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.

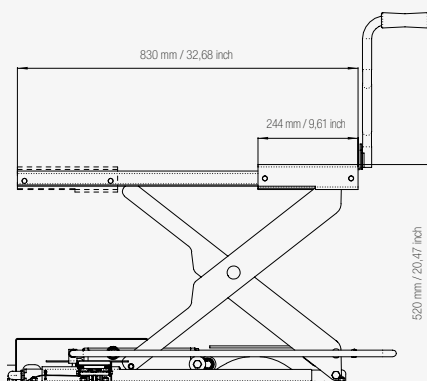
FOR MORE INFORMATION SEE THE COMPLETE BROCHURE ON THE WEB SITE

www.cemb.com



| | |
|---|--------------------------|
| 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/cm2 |
| | ~ 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



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