

# ER80

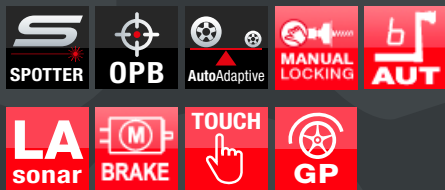
## spotter



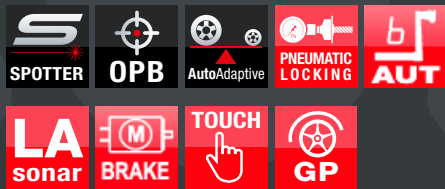
THE ONLY DIGITAL  
BALANCER  
WITH TOUCH  
PANEL



### ER80



### ER80SE



# 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
- Innovative touch screen
- Ergonomic tool positioning  
**CLOSE AT HAND!**



## PNEUMATIC LOCKING



CEMB PATENT



CEMB PATENT

## CORE OF TECHNOLOGY

- **Laser Spotter** - Greatest accuracy in the weights positioning during the correction
- **OPB One Plane Balancing** - Correction of both static and dynamic unbalance on one plane at once and with only one weight
- **AutoAdaptive Mode** - The new tolerance calculation system
- **Sonar LA** for automatic measurement of the wheel width **CEMB PATENT**
- **ALU-S Balancing mode** - Adhesive weights on the internal rim planes with specific counterweight position indicator
- **Led light** to illuminate the working space inside the rim
- **ER80SE - Pneumatic wheel locking CEMB PATENT**  
Floor to floor time reduction / Extremely easy and quick to use / Very accurate wheel centering
- **Electromagnetic brake** for the lock of the wheel in the exact weight position
- **Extended gauge** for diameter and distance measurement of rims up to 28"
- **VDD Virtual Direct Drive** - Very quick and maintenance free measurement system **CEMB PATENT**



SONAR LA



## Laser Spotter

PERFECT BALANCING IN JUST ONE SPIN

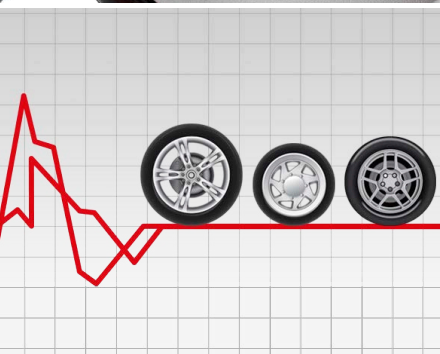
- Greatest accuracy in weights positioning through laser spotter.
- Preview of the exact weight positioning spot visible already during the wheel dimensions acquisition phase.
- During the correction, the **LASER SPOTTER** pinpoints the exact position for stick-on weights application inside the rim. 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

- **OPB** (One Plane Balancing) eliminates both static and dynamic unbalance with a single counterweight, indicating the exact position to apply the weight inside the rim. The balancer automatically detects if it is possible to correct both unbalances with only one weight and activates **OPB program**. A real revolution in wheel balancing. **OPB** saves you time while maximizing your productivity.



## AutoAdaptive Mode

THE NEW TOLERANCE CALCULATION SYSTEM

- The innovative tolerance calculation system **AutoAdaptive Mode** is based on the evaluation of the residual imbalance limit value corresponding to an acceptable perceived vibration. For each wheel that is balanced, the software **AutoAdaptive Mode** detects weight and dimensions and calculates the tolerance value that will cancel any vibration perceived on the steering wheel. **AutoAdaptive Mode** grants the highest comfort when driving, and together with **OPB program**, saves balancing time.

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.**

### STANDARD ACCESSORIES

#### 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

VL/2 CONE + G36 DISC 41FF86174

MT CONE 40FF57321

UH20/2 41FF42048

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

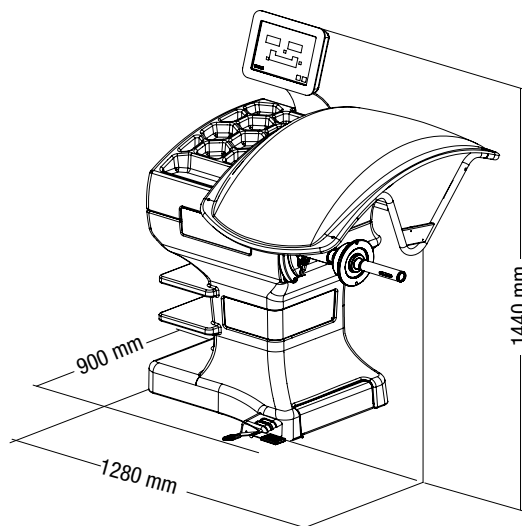
MERCEDES KIT 41FF88003

PEUGEOT-CITROËN KIT 41FF73171

RENAULT KIT 41FF77152

FOR MORE INFORMATION SEE THE COMPLETE  
BROCHURE ON THE WEB SITE

[www.cemb.com](http://www.cemb.com)



**AVAILABLE IN TWO VERSIONS:**

**ER80** Manual locking, electric brake

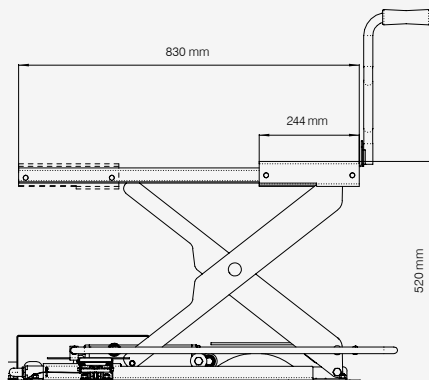
**ER80SE** Pneumatic locking with electric brake.

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	7 ÷ 10 kg/cm <sup>2</sup> / ~ 0.7 ÷ 1 MPa ~ 7 ÷ 10 bar / ~ 105 ÷ 145 psi
Max. wheel weight	< 75 kg
Machine weight	120 kg



## Zero Weight Lift

OPTION TO REDUCE ANY EFFORT



For more information see the complete brochure on the web site [www.cemb.com](http://www.cemb.com)

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



# CEMB

BALANCING MACHINES

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