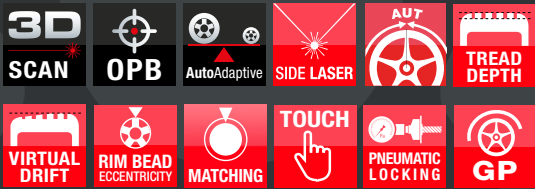
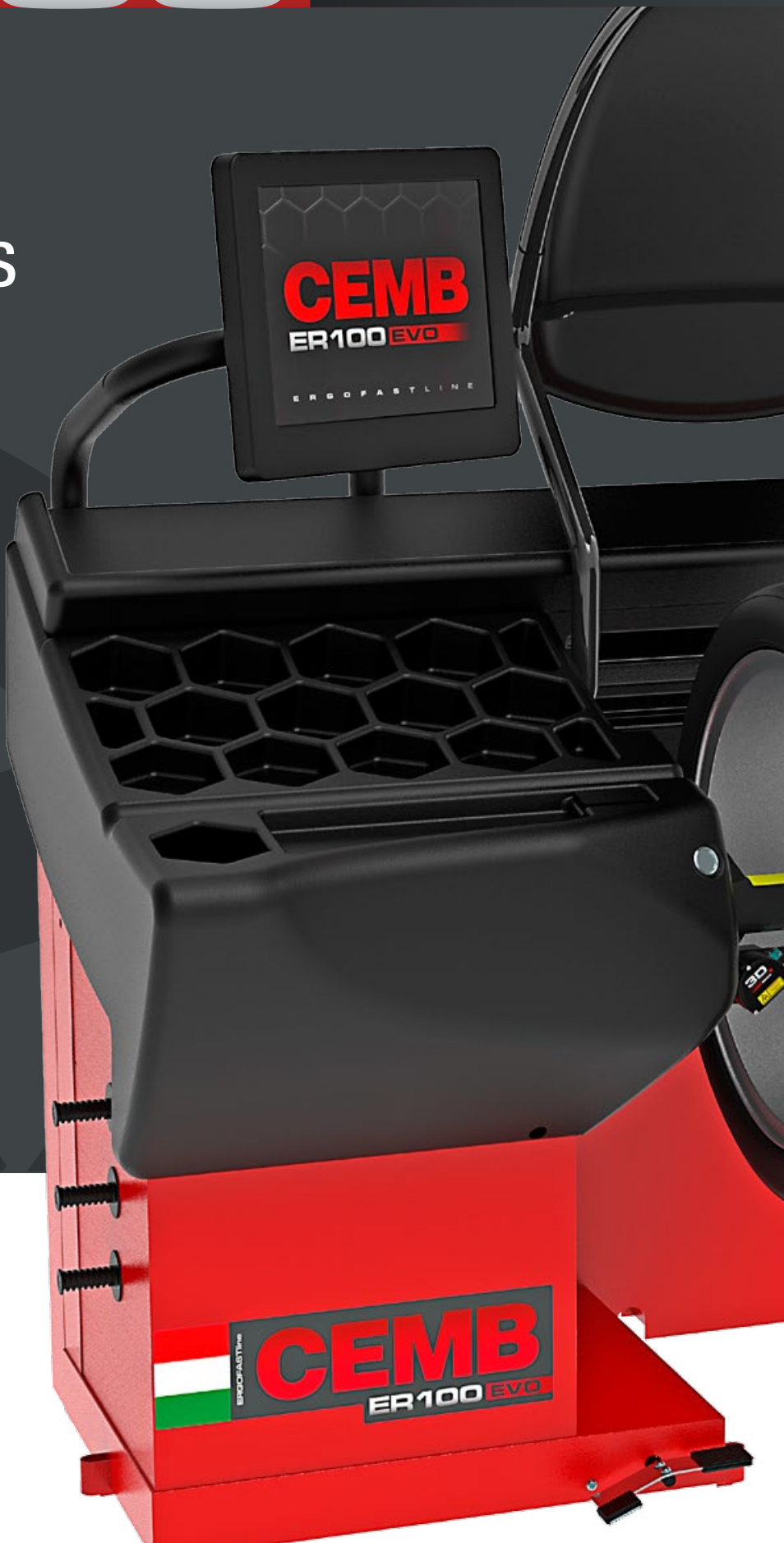


ER 100 EVO

TOUCHLESS 3D
WHEEL DIAGNOSIS

HIGH PRECISION
BALANCING



CEMB

ERGOFAST™
CEMB
ER100 EVO



ER100 EVO

FROM CEMB EXPERIENCE

- **ER100 EVO** 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 **ER100 EVO** 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!**



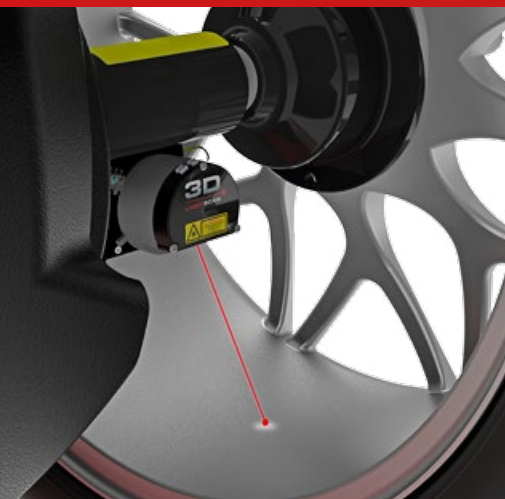
PNEUMATIC LOCKING



CORE OF TECHNOLOGY

- **3D Laser Scan** - Extraordinary accuracy and speed in 3D acquisition of wheel sizes with exact positioning of adhesive weights
- **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
- **Automatic rotation** of the wheel in weight position
- **External Laser Scan** - Complete wheel diagnosis including tire conicity and wear analysis in three different areas
- **Side Laser** - Line laser indicator on the upper part of the wheel to ease the application of clip-on weights in the exact position
- **Direct Matching** - Visualization of the best possible matching to reduce eccentricity
- **ALU-S Balancing mode** - Adhesive weights on the internal rim planes with specific counterweight position indicator (position repeater)
- **Led light** to illuminate the working space inside the rim
- **Tyre Set** - The software indicates the best wheel positioning on the vehicle to get the best ride (conicity) and to minimize wheel vibrations (eccentricity)
- **Pneumatic wheel locking CEMB PATENT**
Floor to floor time reduction / Extremely easy and quick to use / Very accurate wheel centering
- **VDD Virtual Direct Drive** - Very quick and maintenance free measurement system **CEMB PATENT**





3D Laser Scan

EXTREME MEASURING PRECISION AND FASTER WEIGHT APPLICATION

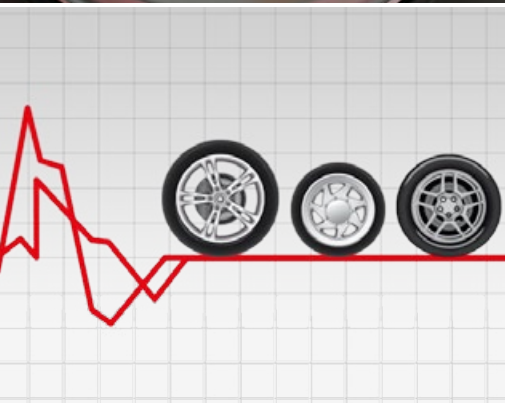
- Touchless wheel distance and diameter measuring system which, combined with the external radial laser for width measurement, detects with 3D precision the dimensions of any profile, even the most complex; no intervention of the operator.
- Advanced technology that speeds up the dimensions reading process without penalizing reliability and precision.
- Brighter laser pointer that grants an extreme accuracy during correction thanks to a clear indication of the application point for stick-on weights.
- Greatest robustness for a long lasting usage. No moving parts are exposed, risks of damages are reduced.
- Easy maintenance.



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.

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.**

Standard equipment UC20/SE2
composed of: SE kit and 4 cones Kit



PNEUMATIC LOCKING

41FF034417

SE Kit (ring, quick locking sleeve
SE2, SE spacer)



41FF030594

4 cones kit Ø 45÷110 mm,
pincer-hammer and 60 g. counterweight



OPTIONAL ACCESSORIES - Especially designed for car manufacturers



RL CUP 41FF79255

UH20/2 41FF42048

PEUGEOT-CITROËN KIT 41FF73171

VL/2 CONE + G36 DISC 41FF86174

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

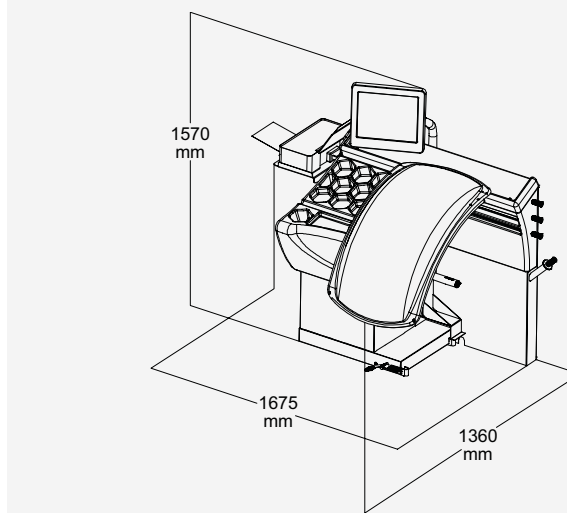
RENAULT KIT 41FF77152

MT CONE 40FF57321

MERCEDES KIT 41FF88003

FOR MORE INFORMATION SEE THE COMPLETE
BROCHURE ON THE WEB SITE

www.cemb.com

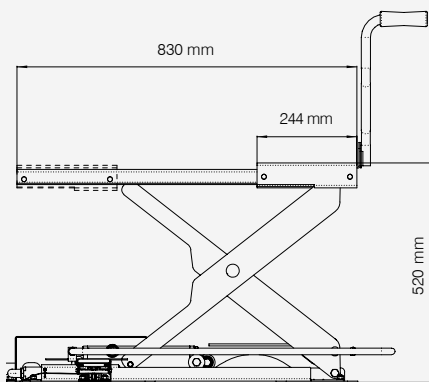


| | |
|---|---------------------------|
| Single phase power supply | 115 / 230 V 50/60 Hz |
| Max. absorbed power | 0,15 kW |
| Balancing speed | 100 rpm |
| Measuring cycle for 15 kg (33 lb) wheel | 4.7 s |
| Measurement uncertainty | 0,5 g |
| Average noise | < 70 dB (A) |
| Rim width setting range | 1.5" ÷ 20" / 40 ÷ 510 mm |
| Rim diameter setting range | 10" ÷ 30" / 265 ÷ 765 mm |
| Min./Max. compressed air pressure | 7 ÷ 10 kg/cm ² |
| | ~ 0.7 ÷ 1 MPa |
| | ~ 7 ÷ 10 bar |
| | ~ 105 ÷ 145 psi |
| Max. wheel weight | < 75 kg |
| Machine weight | 220 kg |



Zero Weight Lift

OPTION TO REDUCE ANY EFFORT



For more information see the complete brochure on the web site 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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