

# C350

## DIAGNOSTIC VIDEO BALANCER FOR TRUCK WHEELS



# C350

## CORE OF TECHNOLOGY

New diagnostic wheel balancing machine suitable for truck, bus and car wheels up to 250 kg. The innovative solution of the spindle shaft that lowers, guarantees a safer and easier centring even with large wheels. The modern and attractive design, with sturdy weight-tray, improved space optimization and the wide availability of programs, make it the most complete solution in its category.

- **VDD Virtual Direct Drive** - very quick and maintenance free measurement system **CEMB PATENT**
- **Electromagnetic brake** for the lock of the wheel in the exact weight position
- Software programs for the professionals: **SPLIT, OPT, ALU**
- **Extended gauge** for diameter and distance measurement of rims up to 32"
- **ALU-S balancing mode** (adhesive weights on the internal rim planes) with specific counterweight position indicator
- **Spacious and sturdy** rotational **weight-tray** with differentiated compartments for housing cones, clip weights, alu, grippers
- **Mobile spindle shaft** for perfect centering of the wheel
- Diagnosis of the **lateral and radial eccentricity** of the wheel using sonar technology





## LA sonar, LR sonar, EMS sonar

**LA**  
sonar

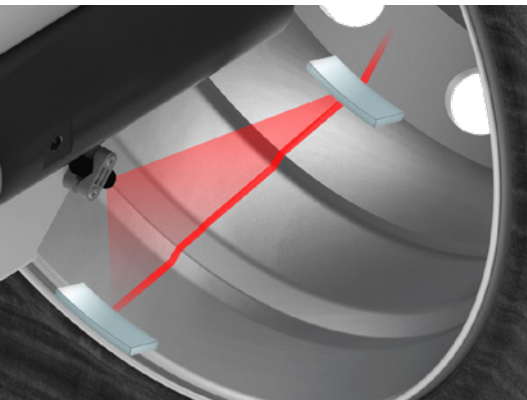
COMPLETE DIAGNOSTICS OF THE WHEEL IN ALL ITS DIMENSIONS

**LR**  
sonar

**LA sonar** device for automatic wheel width measurement without any contact. and, with laser pointer, for measuring the lateral eccentricity of the tyre shoulder.

**EMS**  
sonar

**EMS sonar** device for measuring the radial eccentricity of the tyre during the normal balancing cycle.



**LASER**

## Laser Line

SOPHISTICATED RED LINE LASER INDICATOR

**Laser line** to facilitate the correct positioning of the adhesive counterweights in the 6 o'clock position, increasing the balancing accuracy.

## LIFTING SPINDLE - INNOVATIVE WHEEL LIFT



### PERFECT CENTRING, ACCURATE BALANCING!

The spindle shaft rises and lowers to facilitate wheel loading, ensuring perfect centering, ideal condition for better balancing accuracy. Loading on the ground, mount the wheel on the spindle, lift.

### SAFE WHEEL CLAMPING THANKS TO THE MOBILE SPINDLE

No risk for the operator since the wheel, when raises, is already clamped on the spindle, in complete safety.

### EASIER AND FASTER WHEEL HANDLING

The sliding trolley, with a height of only 59 mm, the lowest available on the market, allows a faster and easier loading of the wheel, with reduced effort for the operator.



# CEMB INNOVATION

## 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 composed of quick nut with spacer ring, pincer-hammer, 300 g. counterweight and WDC gauge

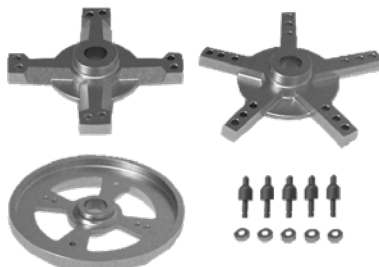


## AVAILABLE ACCESSORIES - Especially designed for car manufacturers



### IV/V CONES-GG-G40 KIT 41FF054929

To center truck or bus wheels with a central hole of 202/221/281 mm Ø. Made up of IV and V cones, G40 disc and GG ring



### SR215 41FF67879

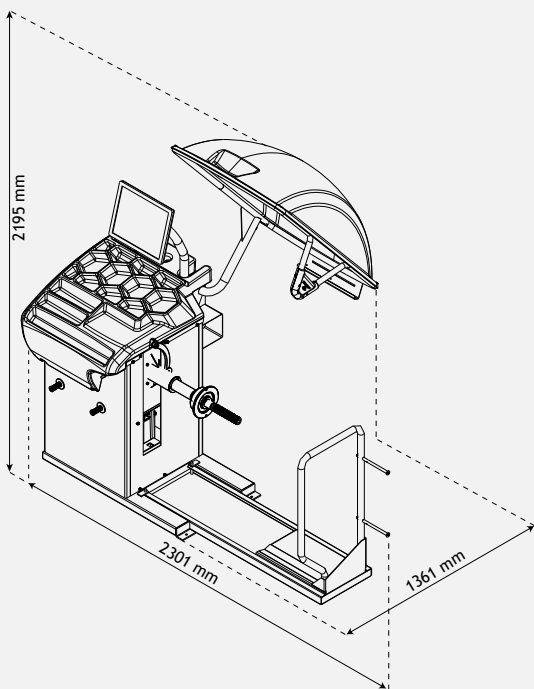
To center wheels with 8 holes on 275/285.75 mm Ø and with 10 holes on 225/285.75/335 mm Ø. Supplied with centering adapter, 5 and 4 armed spiders, stud bolts and screws



### CAR ADAPTER KIT 41FF054930

For wheels with a central hole of 45-194 mm Ø. Consists of 4 cones and G40 disc

FOR MORE INFORMATION SEE THE COMPLETE BROCHURE ON THE WEB SITE. [www.cemb-usa.com](http://www.cemb-usa.com)



Single phase power supply	230V/1ph/50 hz 115V/1ph/60 Hz
Max. absorbed power	0,65 kW
Balancing speed	130 rpm (for car) / 80 rpm (for truck)
Measuring cycle for car/truck wheel	8 ÷ 20 s
Measurement uncertainty	± 0.5 g
Resolution	1 g for car / 10 g for truck
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 ÷ 12 kg/cm <sup>2</sup> / ~ 0.8 ÷ 1.2 MPa ~ 8 ÷ 12 bar / ~ 120 ÷ 165 psi
Max. wheel weight	250 kg
Max. wheel diameter	1380 mm
Machine weight	230 kg



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