

# ER BIKE

# RIDE SAFE, CHOOSE CEMB!



**NEW**

**ER BIKE**



**ER BIKE HS**





# CEMB

GARAGE EQUIPMENT



# THE PROFESSIONAL SOLUTION FOR DYNAMIC BALANCING OF MOTORCYCLE WHEELS

 **FIXED SHAFT SYSTEM**  
 With **ER BIKE**, CEMB reintroduces the **FIXED SHAFT BALANCING SYSTEM**, widely tested by the historic K22, the only one truly capable of reproducing the rotation axis of the wheel mounted on the motorcycle. The wheel is set in motion by means of a motor-driven roller, which is activated manually via the lever on the side of the machine, thus starting the balancing cycle. High-precision sensors detect the unbalance, quickly providing the quantity and exact position of the weights to be applied for the correction.

 **STATIC+DYNAMIC BALANCING**  
**ER BIKE REPRESENTS ONE OF THE VERY FEW SOLUTIONS ON THE MARKET FOR DYNAMIC BALANCING OF MOTORCYCLE WHEELS.** Professionals in the sector know that the front and rear wheels of a motorcycle have different balancing needs: if for the front wheels, of smaller width, it is often sufficient to apply a single weight to balance the wheel, in the case of rear wheels, dynamic balancing becomes fundamental, which also considers the differences in mass outside the median axis of the wheel. For this reason, ER BIKE is the most suitable answer to guarantee safety and performance at the highest levels.

	BALANCING WITH DROP BALANCING MACHINE	BALANCING WITH ADAPTERS MOUNTED ON CAR WHEEL BALANCING MACHINE	BALANCING WITH ER BIKE
<b>FRONT wheel balancing</b>	✓	✓	✓
<b>REAR wheel balancing</b>	✗	—	✓
	Good precision in STATIC balancing; even minimal friction at the wheel bearings drastically reduces precision. Does not allow balancing of single-arm, Quad and SSV wheels	Good precision in STATIC balancing. Highly inaccurate when used to correct dynamic unbalance	Precise, reliable and repeatable static and dynamic balancing

In short, a dedicated system for motorcycle wheels is the best choice because it offers an accurate and reliable result, ensuring perfect balancing for safe riding.

# ER BIKE HS

With ER BIKE, CEMB renews the legendary K22, offering a perfect synthesis of tradition and innovation. The modern and ergonomic design, the introduction of increasingly cutting-edge technologies, the expanded range of software functions and reduced maintenance make it an essential tool for professionals in the sector

- Complete and accurate detection of unbalances
- Suitable for all types of wheels (with bearings and flanged)
- Real, reliable and repeatable results



## AVAILABLE IN TWO VERSIONS:

**ER BIKE** with motor drive, counter current braking system and manual wheel locking

**ER BIKE HS** with hand spin; manual wheel brake and manual locking

- Suitable for traditional motorcycle wheels, flanged rear wheels (single-arm), wheels for scooters, quads and SSVs up to 30 kg
- **Automatic gauge for measuring distance and diameter of rims up to 24"** with innovative tip design to avoid interference with brake discs
- **Correction mode with LASER line** for quick and safe positioning of the adhesive weights inside the rim
- **Thermoformed, ergonomic and functional weight holder. The differentiated compartments** have been designed for practical storage of tools. Cone holder peg on base for storing optional equipment
- Software programs for the professionals: SPLIT, OPT
- **Dynamic balancing** (correction of unbalance on two planes)
- Self-diagnosis and self-calibration
- Low balancing speed
- Simplified methods of installing and replacing tools

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## 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.**



### AF15/2 - 41FF074070

#### STANDARD EQUIPMENT:

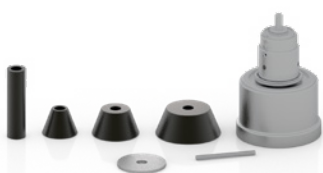
Shaft  $\varnothing 14$  mm  
2 cones  $\varnothing 15/26$  mm  
2 cones  $\varnothing 15-36$  mm

#### SPACERS:

2 x L=20 mm, 1 x L=40 mm  
Washer, 28 mm  
Motorbike quick ring nut  
WDC Gauge (46FC77653)



## OPTIONAL ACCESSORIES - Especially designed for car manufacturers



### AGF/2 option of AF15/2 for single-arm wheels

41FF074141

3 CONES KIT:  $\varnothing 24/45$  mm;  $\varnothing 40/61$  mm;  
 $\varnothing 60/85$  mm  
Washer  $\varnothing 64$  mm / Spacer 95 mm



### Kit for quad/SSV wheels (up to 30 kg) - option of AGF/2

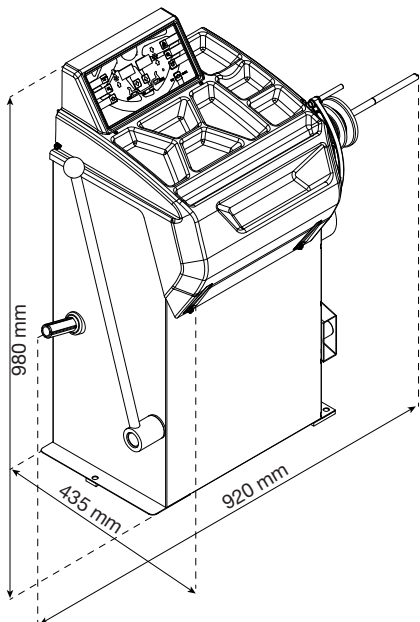
41FF074257

Threaded end  $\varnothing 40 \times 4$  mm + fastening screw / AGF ring  $\varnothing 180$  mm / DC ring / GLM40 ring nut  
3 cones kit  $\varnothing 45 \div 110$  mm, pincer-hammer and 60g. counterweigh



### AF12/2

Tool for motorcycle wheels fitted on bearings with central hole  $\varnothing 12 \div 35$  composed of:  
 $\varnothing 12$  mm shaft, L = 200 mm  
2 cones  $\varnothing 12/25$  mm  
2 cones  $\varnothing 12/35$  mm  
locking nut and spacer



Single phase power supply	230V/1ph/50-60 Hz
	115V/1ph/50-60 Hz
Max. absorbed power	0,65 kW
Balancing speed	75 rpm
Average cycle time per wheel (13÷15 kg)	6÷8 s
Measurement uncertainty / Resolution	1 g
Average noise	< 70 dB (A)
Rim width setting range	1.5" ÷ 20" / 40 ÷ 510 mm
Measurable rim diameter (ER BIKE)	12" ÷ 24" / 305 ÷ 610 mm
Measurable rim diameter (ER BIKE HS)	10" ÷ 24" / 250 ÷ 610 mm
Max. wheel diameter	800 mm
Max. wheel weight	< 30 kg
Machine weight	72 kg



# CEMB

BALANCING MACHINES

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