MONDOLFO FERRO

TRUCK
MT6650

Advanced touch-screen wheel balancer for truck wheels

TOUCHSCREEN

Large **22” touch-screen monitor** with intuitive graphical user interface, for simplifying and speeding up program selection and balancing operations.

WHEEL DIMENSIONS DETECTION

Intelligent system for measuring distance and wheel diameter **up to 30”**, equipped with AUTOSELECT UP and the new LaserPlane pointer. AUTOSELECT UP automatically activates balancing programs, while the **LaserPlane** pointer improves accuracy and visibility when identifying the inner planes of the rim, for an optimized balancing process.

NEXT-GENERATION SPIN AND MEASURING SYSTEM

Low-speed balancing cycle to reduce spin times, minimise any risks related to moving parts and save energy. It is suitable for all wheel types of heavy-duty, light, off-road and car vehicles, **ensuring precision and reliability**.

WIDE WEIGHT TRAY AND MULTIFUNCTION BUTTON

Rotational weight tray with multiple compartments to efficiently organise counterweights and tools.

The tray features a **multifunction button to facilitate the quick selection** of work programs, improving the **efficiency of operations**.

DPA AND ELECTROMAGNETIC BRAKE

The **DPA** function automatically sets the wheel in the correct balancing position at the end of the spin cycle, eliminating intermediate stops.

The **electromagnetic brake** simplifies the cleaning and application of the counterweights, making the mounting and demounting of the wheel **more efficient and less tiring**.

APPLICATION OF ADHESIVE COUNTERWEIGHTS

Adhesive counterweights can be applied in three different ways, depending on your preference:

- Ergonomically at **5 o'clock** using the new LLS - Laser Line System.
- Manually at **6 o'clock**.
- Manually at **12 o'clock**, following the traditional method.

TL3 SONAR (Optional)

The sonar sensor (**TL3**) automatically measures the wheel width without contact. No manual entry by the operator is required.

INTEGRATED LED ILLUMINATOR

The **LED illuminator** improves visibility of the work area to **facilitate rim cleaning** and the **application of counterweights**.

SPACE SAVING WHEEL GUARD
designet to allow the positioning along the wall, it alsoo permits to hold wheels up to **52”** (1.321 mm) maximum diameter

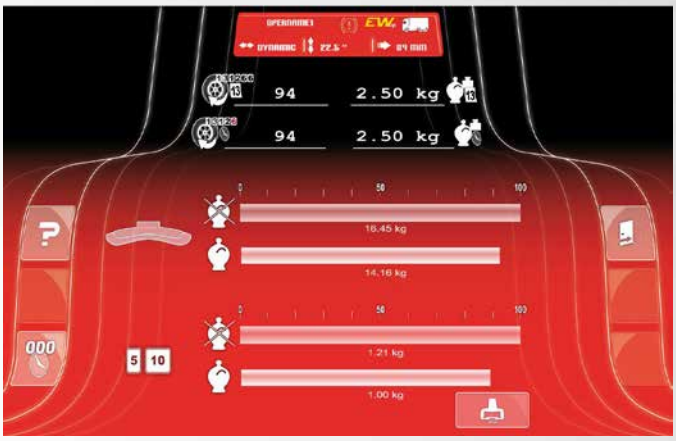
INCLINED FRONT PART
to improve operator access to the inside of the rim

INTEGRATED WHEEL LIFTING SYSTEM

Integrated low-profile pneumatic lifting system, manually operated without pedals. It easily lifts **wheels of up to 300 kg**, ensuring perfect centring. **Ergonomic**, **robust** and **fast**.

EASY WEIGHT UP

Special collection of useful programs that optimise the positioning of balancing counterweights, guaranteeing accurate results with less material usage and improving service efficiency. The ideal solution for a **faster**, cheaper and **more sustainable balancing service**.



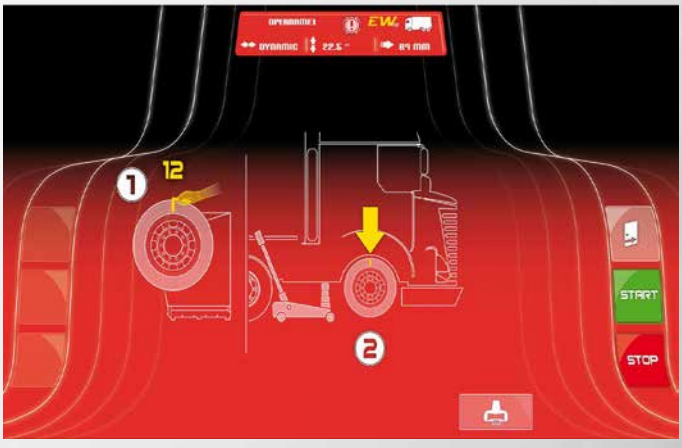
ADVANCED DIAGNOSIS

The MT6650 wheel balancer, when equipped with **optional SONAR sensors**, can also be used as an **advanced diagnostic tool**. With its three diagnostic programs, it is able to identify and even resolve geometric wheel defects, eliminating vibrations that cannot be corrected in traditional balancing.

WHEEL ECCENTRICITY & BEST FIT

The Radial Runout Sensor-Wheel (**RRS-W**) automatically detects the radial eccentricity of the wheel. The **BESTFIT software** uses this data to display the point of greatest deviation on the screen, thus facilitating optimal positioning on the vehicle hub.

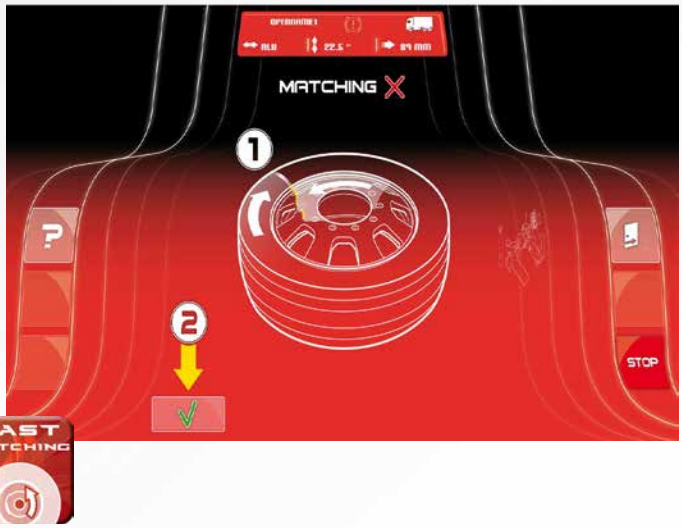
The Lateral Runout Sensor-Wheel (**LRS-W**) measures the lateral eccentricity of the tyre to ensure perfect alignment.



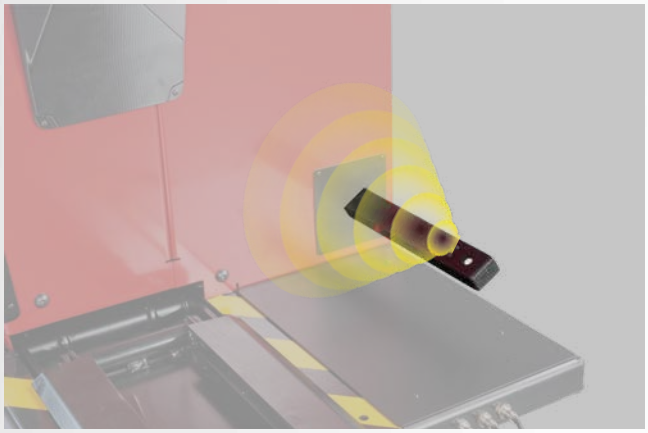
FAST MATCHING

The **FAST MATCHING function** automatically calculates the **optimal match-mounting between rim** and **tyre**, **improving vibration reduction, increasing safety and prolonging tyre life**.

The **RRS-W** and **RRS-R diagnostic kits** are required to activate this function.



RRS-W



RRS-R

SPECIAL FUNCTIONS AND PROGRAMS

Wide range of programs for an easy and immediate use of the machine, including:

-**7 balancing programs** for alloy rims for truck and car wheels, Dynamic, Static, Hidden weight

-**2 working environments**

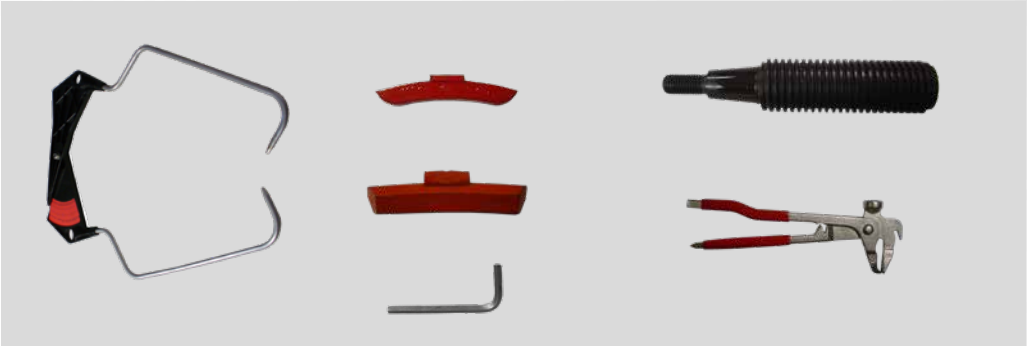
-**Multi-operator**

-**Imbalance optimisation** (Opt Flash)

-**EASY WIDTH**

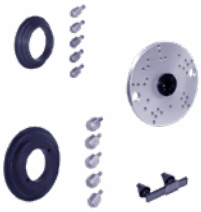
-**Software update** via USB.

STANDARD EQUIPMENT



RECOMMENDED ACCESSORIES

8-21100275_GTR40 EVO
Premium steel quick nut Ø 40x4 mm (for MO).



8-21100269_ART40 EVO
Premium Heavy-Duty adaptor Kit (10-8-6 hole).

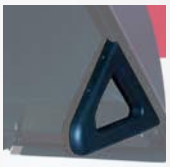
8-21100268_KCT40 EVO
Heavy-Duty cone Kit.

8-21900191_ARU40
Kit for car wheels with central hole Ø 42÷156 mm (1.65”÷6,14”)

8-21100141_DX_CBF
DX/CBF Centring accessory for van and off-road wheels with central hole with Ø 117÷173 mm

8-21100270_ARV40
Premium Medium&Light adaptor kit for commercial vehicle (6-hole).

8-21101402_ACCESSORY RACK
Handy accessory holder support.



8-21100293/90_TL3
TL3 width sensor

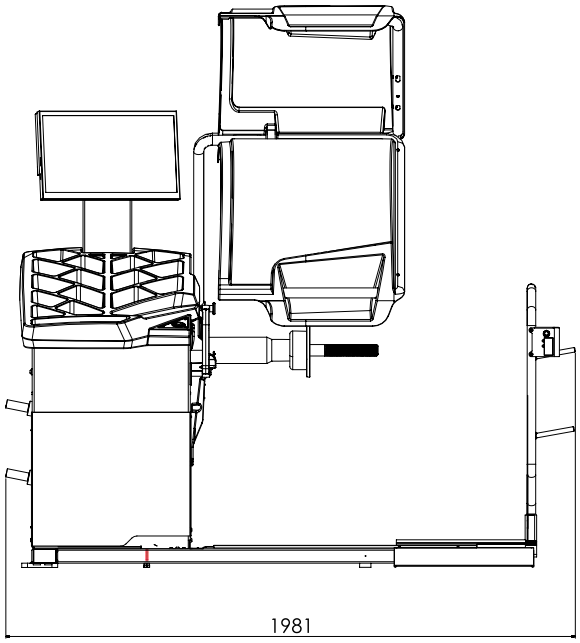
8-21100300/90_RRS-W
Radial Runout Sonar Wheel for the measurement of the tire’s radial eccentricity

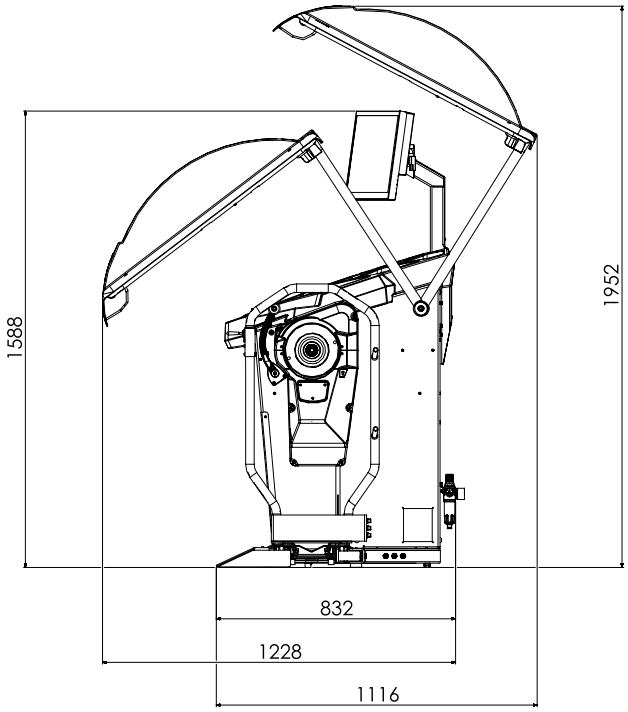
8-21100301_RRS-R
Radial Runout Sonar Rim for measuring the wheel rim’s radial eccentricity

8-21100302_LRS-W
Lateral Runout Sonar Wheel for measuring the lateral eccentricity of the tire sidewall.

For further information, consult the complete accessories catalogue

DIMENSIONS





TECHNICAL DATA

Power supply	**200 ÷ 230V / 1Ph / 50 ÷ 60Hz - 100 ÷ 115V / 1Ph / 50 ÷ 60Hz**
Total power absorption	**400 W**
Balancing speed	**100 rpm car / 80 rpm truck**
Shaft diameter	**40 mm (1,57")**
Supply pressure	**8 ÷ 12 bar (120 ÷ 165 psi)**
Average measurement time	**8 ÷ 16 s**
Balancing precision	**1 g car / 10 g truck**
Settable rim width	**1,5" ÷ 20" / 40 ÷ 510 mm**
Settable rim diameter	**10" ÷ 30" / 265 ÷ 765 mm**
Maximum wheel weight (8 bar)	**300 kg (660 lb)**
Maximum wheel diameter	**52" / 1321 mm**
Machine weight	**260 kg (573 lb)**

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Cod. **DPMF000752** 03/2025