



Wheel balancing

Machines



CATALOGUE

of products

Wheel balancers

iPRO BM

BM series is presented by wheel balancers equipped with monitor, efficient 4-core 64-bit microcomputer, intelligent systems for automatic recognition of corrective weights installation coordinates, statistics data cloud storage



Multifunctional keyboard for the machine control



Ultrasonic sensor for recognition of weight installation coordinates on the outer rim surface



Laser pointer for precise pointing of adhesive weights installation place



Electronic gauge allows automatic identification of the coordinates for balancing weight installation on the rim inner surface. Electronic gauge handle allowing precise alignment and installation of adhesive weights.

Key features

- **DPP (Direct point place)**
Direct pointing of weight installation place and contactless recognition of its coordinates by the laser 3D scanner or manually by electronic gauge
- **iDrive intelligent motor control**
Intelligent adaptive control of the motor depending on the wheel parameters and working mode
- **BiSonar** Ultrasonic module for recognition of weight coordinates in outer correction plane
- **pGuard** Power supply filter protects from voltage surges
- **aMount** Fast nut tightening
- **ExactStop** Wheel automatically stops at the point where the weight installation is required
- **rDiag** Radial run-out measurement
- **LP (laser pointer)** Laser pointer for precise indication of the adhesive weight installation point
- **LL (laser line)** Laser pointer indicating the weight installation points for adhesive weights at 6 o'clock position and for contact spring weights at 12 o'clock position *
- **Backlight** LED illumination of the rim inner surface
- **Toplight** Working area upper backlight *
- **eBrake** Electromagnetic brake for firm holding of the wheel during the weight installation
- **aNET package** Connection of the wheel balancer to the network by wifi, automatic data transfer and storing in the cloud storage, 24/7 access to the data for the owner (authorized person) from any point of the world.

* Option

This machine is designed for wheel balancing of cars, minivans, and LCV (max wheel tire diameter up to 900mm (35") and max wheel tire width up to 500mm (20"))

Wheel balancer provides the measurement of static and dynamic wheel unbalance and mass computing of correctional weights as well as their positions in two correction planes (on inner and outer surfaces of the rim) during one measuring cycle.



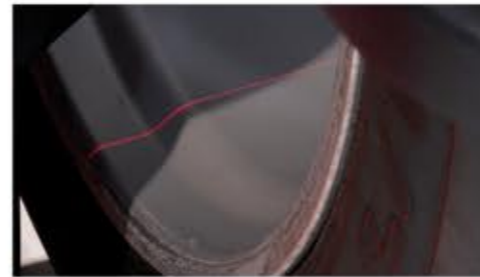
Pedal for control of the shaft rotation mode for automatic nut tightening

Wheel balancers


Color monitor 18,5" inches makes the work of the operator easier, visually demonstrates all the processes of work performance and settings, displays statistics data



Multifunctional keyboard for the machine control



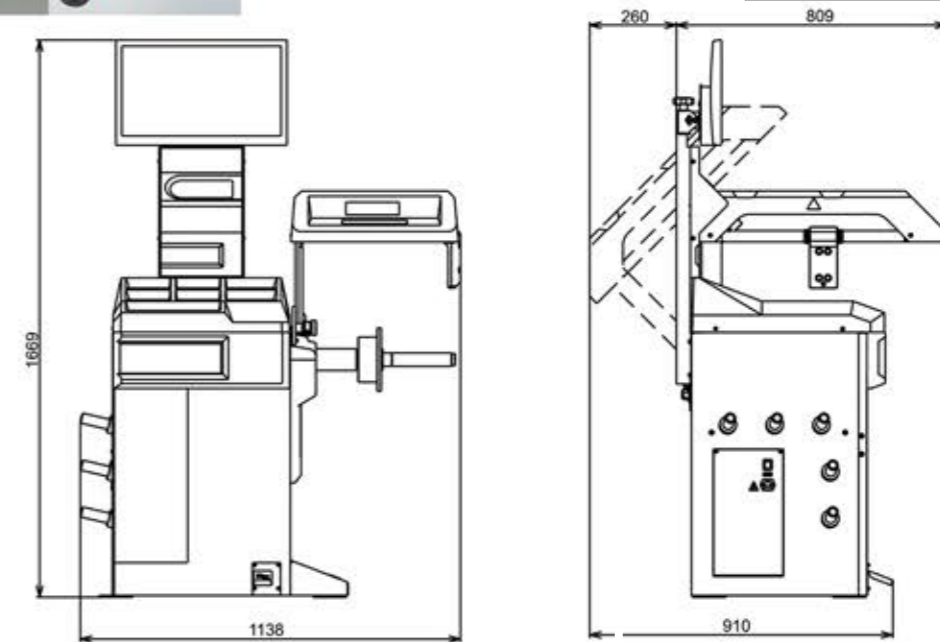
LL (laser line)
Laser pointer indicating the weight installation for adhesive weights at 6 o'clock position



Protective hood equipped with a limit switch

The main working surface has 15 cross-functional cells for storage of balancing weights, cones, and other tools

Dimensions of wheel balancing machine



AVAILABLE COLORS



RAL 7011



RAL 3002

Technical characteristics

Measurement range for unbalanced mass, gr	From 0 to 100
Discreteness of the unbalanced mass measurement, gr	1
Balancing cycle time (wheel 195 / 65R15), sec	4,1
The rim diameter of the balanced wheel, inch - stamped rim - light alloy rim	12-28 13-28
Max tire diameter of the balanced wheel, mm	900
Dimensions of the wheel balancer (WxDxH), mm, no more than Hood up Hood down	1343 x 910 x 1669 1343 x 809 x 1669
Max weight of the balanced wheel, kg, no more than	70
Weight of the wheel balancer, kg, no more than	60
Power voltage of the alternate current, V	230±10%
Frequency of the alternate current, Hz	50/60
Consumed power, W	350

Dimensions of package

1170 x 750 x 1200

Weight of package

215

Wheel balancers


Color monitor 21,5" inches
 makes work of operator easier, visually demonstrates all the processes of work performance and settings, displays statistics data

LP (laser pointer)
 Laser pointer for precise indication of the weight installation point

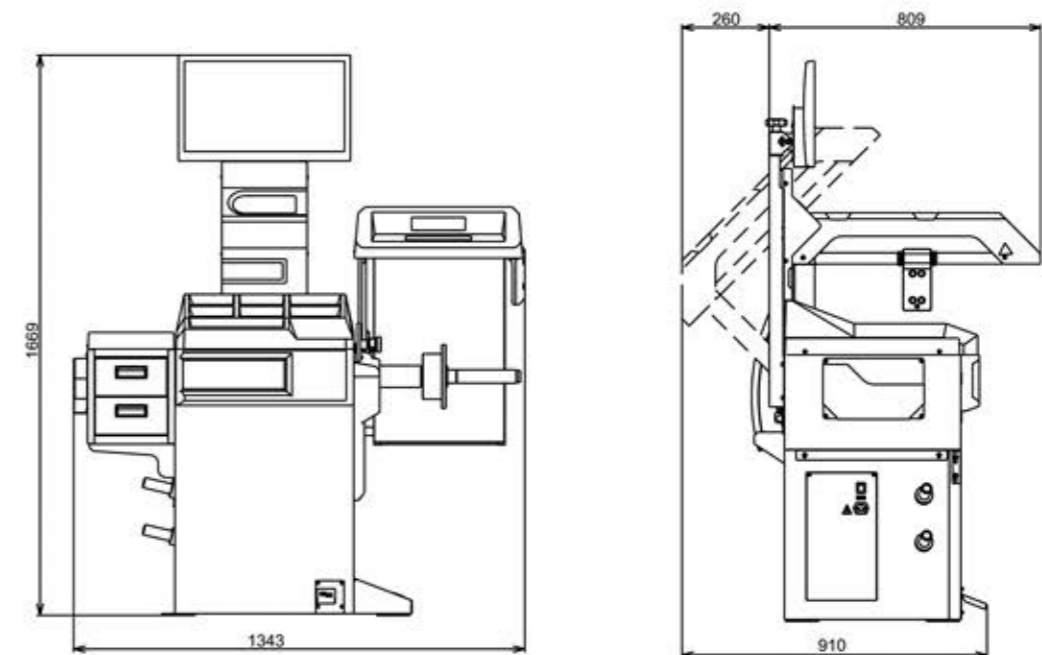
Additional space
 is provided by drawers for the storage of balancing weights boxes, and other tools

The main working surface
 includes more than 30 cross-functional cells for the storage of balancing weights, cones, and other tools

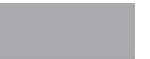
Protective hood
 equipped with additional panel

Bracket for a cassette
 of balancing weights
 5 gr * 1000 pcs.

Dimensions of the wheel balancer



AVAILABLE COLORS



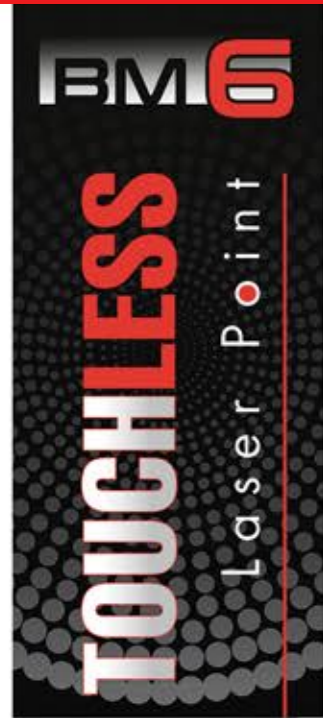
RAL 7011



RAL 3002

Technical characteristics

Measurement range for unbalanced mass, gr	From 0 to 100
Discreteness of the unbalanced mass measurement, gr	1
Balancing cycle time (wheel 195 / 65R15), sec	4,1
The rim diameter of the balanced wheel, inch - stamped rim - light alloy rim	12-28 13-28
Max tire diameter of the balanced wheel, mm	900
Dimensions of the wheel balancer (WxDxH), mm, no more than Hood up Hood down	1343 x 910 x 1669 1343 x 809 x 1669
Max weight of the balanced wheel, kg, no more than	70
Weight of the wheel balancer, kg, no more than	60
Power voltage of the alternate current, V	230±10%
Frequency of the alternate current, Hz	50/60
Consumed power, W	350

Wheel balancers


Color monitor 21,5" inches
makes work of operator easier, visually demonstrates all the processes of work performance and settings, displays statistics data



Laser 3D scanner
Precisely scans the inner rim surface with specific profiles and automatically identifies the optimal points for weight installation

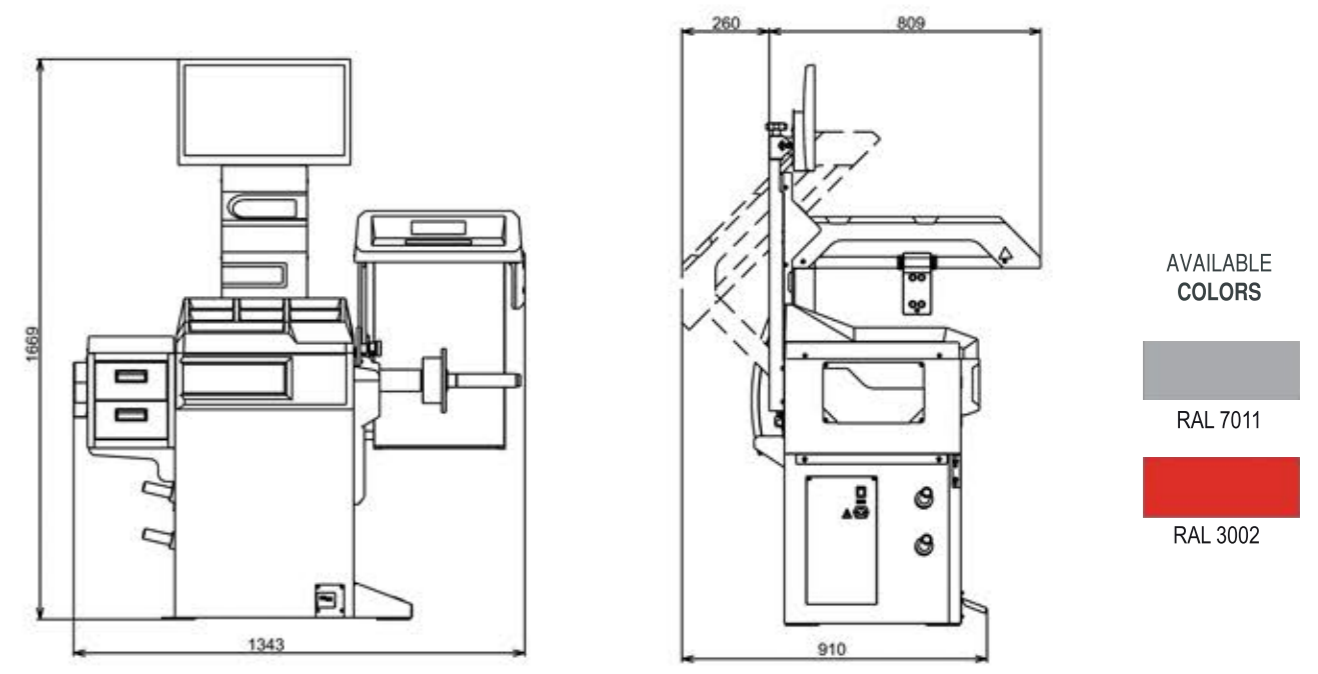
The main working surface
includes more than 30 cross-functional cells for the storage of balancing weights, cones, and other tools

LP (laser pointer)
Laser pointer for precise indication of the weight installation point

Bracket for a cassette of balancing weights
5 gr * 1000 pcs



Dimensions of wheel balancer

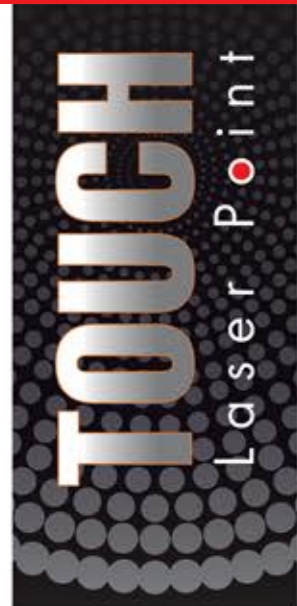


Dimensions of package	1170 x 750 x 1200
Gross weight	230

Technical characteristics

Measurement range for unbalanced mass, gr	From 0 to 100
Discreteness of the unbalanced mass measurement, gr	1
Balancing cycle time (wheel 195 / 65R15), sec	4,1
The rim diameter of the balanced wheel, inch - stamped rim - light alloy rim	12-28 13-28
Max tire diameter of the balanced wheel, mm	900
Dimensions of the wheel balancer (WxDxH), mm, no more than Hood up Hood down	1343 x 910 x 1669 1343 x 809 x 1669
Max weight of the balanced wheel, kg, no more than	70
Weight of the wheel balancer, kg, no more than	160
Power voltage of the alternate current, V	230±10%
Frequency of the alternate current, Hz	50/60
Consumed power, W	350

Wheel balancers

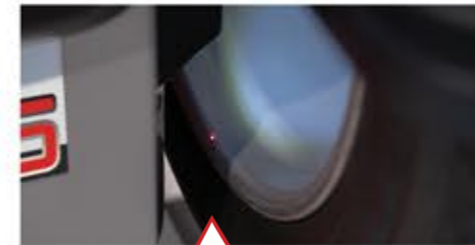


BM5



Multifunctional keyboard for the machine control

Color monitor 23,5" inches makes work of operator easier, visually demonstrates all the processes of work performance and settings, displays statistics data



LP (laser pointer) Laser pointer for precise indication of the weight installation point



Additional shelves for storage of balancing weights, and other tools



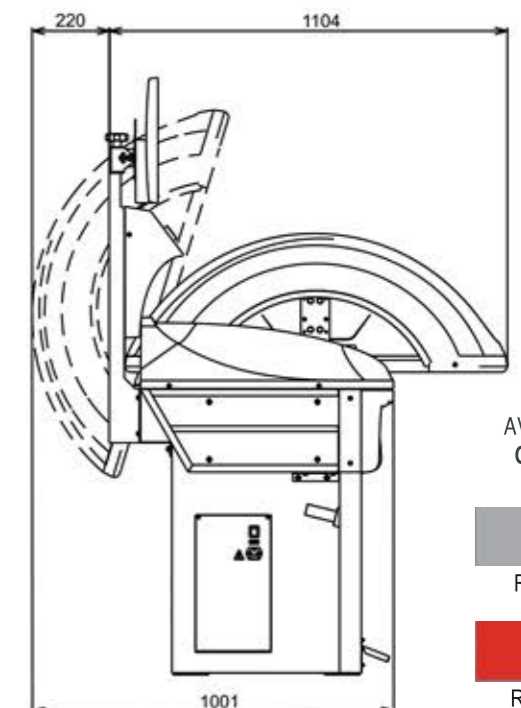
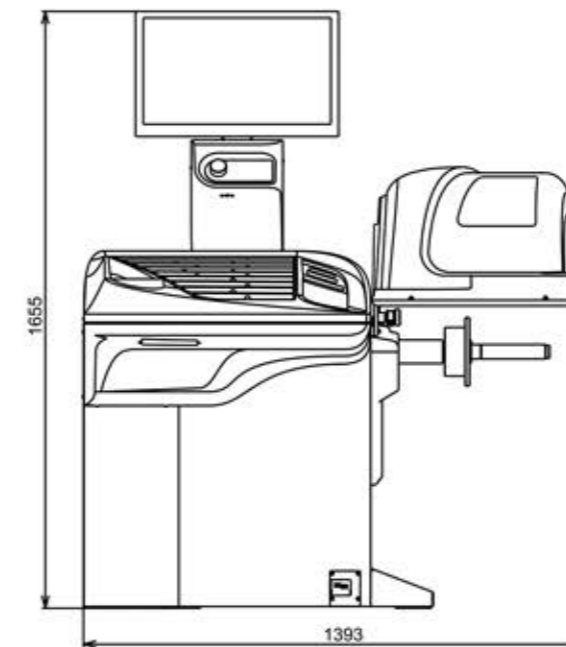
The main working surface includes more than 30 cross-functional cells for the storage of balancing weights, cones, and other tools

Protective hood equipped with limit switch

Technical characteristics

Measurement range for unbalanced mass, gr	From 0 to 100
Discreteness of the unbalanced mass measurement, gr	1
Balancing cycle time (wheel 195 / 65R15), sec	4,1
The rim diameter of the balanced wheel, inch - stamped rim - light alloy rim	12-28 13-28
Max tire diameter of the balanced wheel, mm	900
Dimensions of the wheel balancer (WxDxH), mm, no more than Hood up Hood down	1393 x 1001 x 1655 1393 x 1104 x 1655
Max weight of the balanced wheel, kg, no more than	70
Weight of the wheel balancer, kg, no more than	160
Power voltage of the alternate current, V	230±10%
Frequency of the alternate current, Hz	50/60
Consumed power, W	350

Dimensions of wheel balancer



AVAILABLE COLORS

RAL 7011

RAL 3002

Dimensions of package

1170 x 750 x 1200

Gross weight

220

Wheel balancers

TOUCHLESS
Laser Point

BM7



LP (laser pointer)
Laser pointer for precise indication of the weight installation point



Laser 3D scanner
Precisely scans the inner rim surface with specific profiles and automatically identifies the optimal points for weight installation

Color monitor 23,5" inches
makes work of operator easier, visually demonstrates all the processes of work performance and settings, displays statistics data

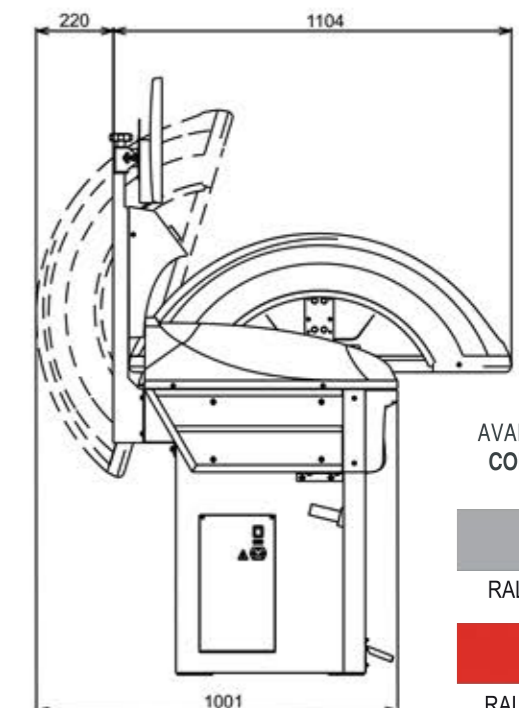
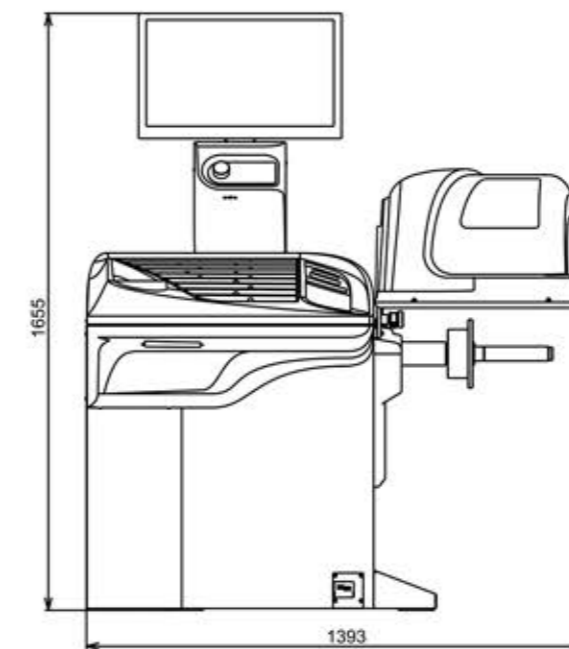


The main working surface includes more than 30 cross-functional sells for storage of balancing weights, cones and other tools

Additional shelves for storage of balancing weights boxes, cones and other tools

Large wheel protective case equipped with a limit switch

■ Dimensions of wheel balancer



AVAILABLE COLORS

■ RAL 7011

■ RAL 3002

Technical characteristics

Measurement range for unbalanced mass, gr	From 0 to 100
Discreteness of the unbalanced mass measurement, gr	1
Balancing cycle time (wheel 195 / 65R15), sec	4,1
The rim diameter of the balanced wheel, inch - stamped rim - light alloy rim	12-28 13-28
Max tire diameter of the balanced wheel, mm	900
Dimensions of the wheel balancer (WxDxH), mm, no more than Hood up Hood down	1393 x 1001 x 1655 1393 x 1104 x 1655
Max weight of the balanced wheel, kg, no more than	70
Weight of the wheel balancer, kg, no more than	160
Power voltage of the alternate current, V	230±10%
Frequency of the alternate current, Hz	50/60
Consumed power, W	350

■ Dimensions of package

1170 x 750 x 1200

Gross weight

220

iPRO Software

iPRO Software is an efficient, flexible, and modern way to control the wheel balancer performance



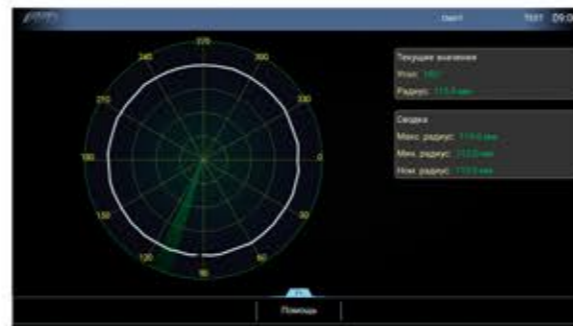
Home screen



Multifunctional keyboard for the machine control



Balancing weight installation scheme selection



The rim geometrical shape analysis



Calibration Step 2



The balancing weight split



Statistics data



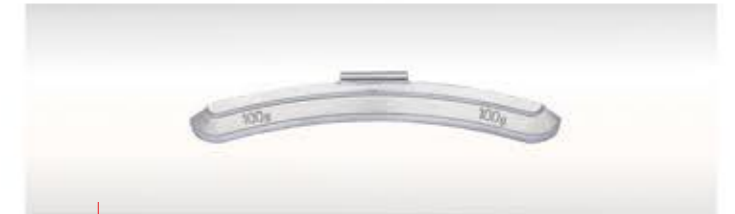
Unbalance sensors calibration

Tools and components supplied with the wheel balancer

*appearance of tools, components, and elements to be supplied with the wheel balancer may vary depending on machine modification and in order to improve its characteristics



Pliers for weights removal



Calibration weight 100gr.



Protective cap



Quick nut



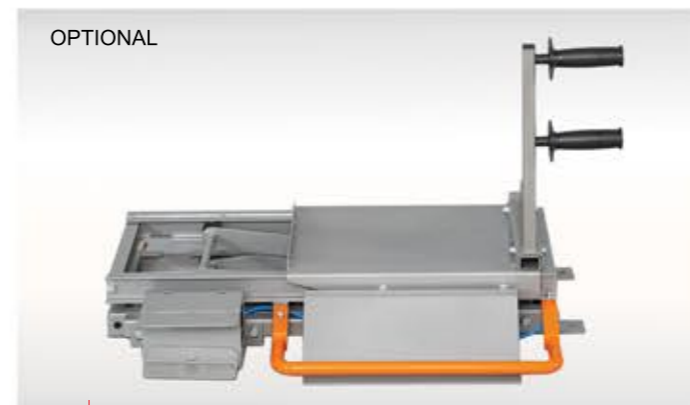
Remover of adhesive weights



Set of 3 cones (+ set for Off-road is supplied optionally)



Caliper for measurement of the rim width



Multi-functional pneumatic wheel lift for any iPRO models



Electromagnetic or pneumatic wheel clamp



Your distributor:



PRO
WHEEL BALANCER

BM7