



megaspin20 MOTO megaspin20 MOTO HS

THE ADVANCED SOLUTION
**FOR DYNAMIC BALANCING
OF MOTORBIKE WHEELS**





Hofmann megaspin20 MOTO/MOTO HS is the innovative balancer designed specifically for the dynamic balancing of motorbike wheels. Thanks to the fixed shaft system, the only one able to replicate the same rolling conditions as a motorbike on the road, it ensures maximum performance and a stable and safe ride at all times.



Fixed spindle axis

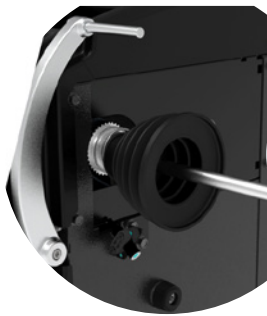
Thanks to the fixed spindle axis, the wheel is free to rotate on its bearings, reproducing exactly the movement of the wheel mounted on the motorbike. By eliminating all the assembly inaccuracies inevitable on car balancers where the flange is rotated together with the wheel, imbalance detection becomes much more precise and accurate.



Manual fixing system very easy to use, thanks to the quick-release locknut

Dynamic balancing

megaspin 20 MOTO/20 MOTO HS is one of the rare solutions capable of guaranteeing perfect dynamic balancing of motorbike wheels, essential for flanged rear wheels, which are often more difficult to balance due to their greater width



**AUTOMATIC
GAUGE**

Automatic gauge

Automatic gauge for measuring the distance and diameter of rims up to 24", equipped with an innovatively designed tip that prevents interference with the brake discs, ensuring accurate and unobstructed reading



**LASER
line**

Laser line

To enable an extremely fast balancing operation, the megaspin20 MOTO and megaspin20 MOTO HS are equipped with a laser line to assist the operator in positioning the adhesive weights within the rim



**DIGITAL
Display**

Digital display

The digital display is simple and durable and allows intuitive use of all machine functions. The software has been developed to provide several programs for the tyre professional: SPLIT, OPT .



**WIDE
SPACE**

Wide space

Thermoformed weight holder, ergonomically designed and functional. It offers ample space for accessories, with a practical cone holder integrated in the base to accommodate the centring spacers

BALANCING MOTORBIKE WHEELS - COMPARING METHODS:

WITH ROTATING AXIS BALANCER
With a rotating axis, the measurement is affected by bending of the shaft and mechanical play during the rotation of the same



Good accuracy in STATIC balancing



Highly inaccurate in DYNAMIC balancing

vs.

WITH FIXED AXIS BALANCER
With fixed spindle axis, all the vibrations, introduced by the rotation of the spindle itself, are reduced improving measurement accuracy and repeatability



Excellent precision in both balancing
STATIC and DYNAMIC

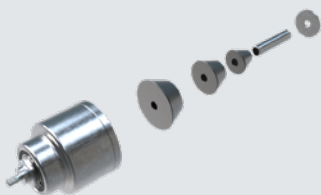
Standard accessories



AF15/2

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
 Manual Gauge

Optional accessories



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

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



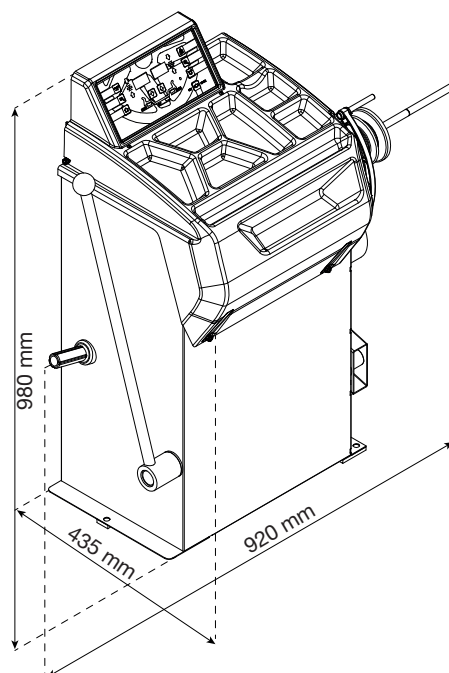
Kit for quad/SSV wheels (up to 30 kg) - option of AGF/2

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 60 g. counterweight

Versions on request

megaspin20 MOTO: Motor version. 230V/50Hz/1ph.

megaspin20 MOTO HS: Manual spin version. 230V/50Hz/1ph.



Technical Data

Single phase power supply	230V/1ph/50-60 hz
Max. absorbed power	0,65 kW
Balancing speed	75 rpm
Measurement spin time for 13-15 kg wheel	6-8 s
Measurement uncertainty	± 1 g
Resolution	1 g
Avarage noise	< 70 dB (A)
Rim width setting range	1.5" \div 20" / 40 \div 510 mm
Rim diameter setting range (m20 MOTO)	12" \div 24" / 305 \div 610 mm
Rim diameter setting range (m20 MOTO HS)	10" \div 24" / 250 \div 610 mm
Max. wheel diameter	800 mm
Max. wheel weight	< 30 kg
Machine weight	72 kg



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