



The benchmark for race wheel technology.





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Jorge Lorenzo
MotoGP 2010 World Champion
Team Yamaha Factory Racing

From Giacomo Agostini to Valentino Rossi. Over 170 world titles have been won on wheels designed by Roberto Marchesini. This is a story of new challenges for every season, involving calibration of the smallest details, precision and innovation. Expertise in materials and techniques, together with technical support on the racetrack that is focused on specific needs and quick, reliable and winning solutions, has lead Roberto Marchesini's MFR to tackle new challenges in the worldwide MotoGP, Moto 2 and Superbike in 2011.

Can perfection be perfected?

For MFR, the answer is yes. Dedication to technical research and development supported by the most sophisticated design, manufacturing and testing technologies on specially built test benches have made MFRWHEELS the utmost expression of technical perfection both for racing and road sport bikes.

MFR WHEELS

The benchmark for race wheel technology.



Ben Spies
MotoGP 2010
Team Yamaha Factory Racing

The ideal weight. Reduced flywheel mass using innovative pockets on the rim to lighten the wheel. High sideways stiffness. Maximum torsion resistance. No rim bending.

Mass unbalance close to zero. Advanced anodizing treatment. Absolute precision in fitting parts. Solutions for any possible rotation of the tire on the rim. This is the MFR wheel.

Still not sure if it's the best?

► MFR WHEELS are available in four lines: ◄



MF

race

MF 5

forged magnesium
for racing

size:

from 2,50 x 17 to 6,00 x 17
from 3,50 x 16,5 to 6,25 x 16,5

► MFR WHEELS are available in four lines: ◄



AF

speed

AF 5 S

forged aluminium
in a special lighter version
for road sport bikes
used on a racetrack

size:

from 2,50 x 17 to 6,00 x 17
from 3,50 x 16,5 to 6,25 x 16,5

AF

road

AF 5 R

forged aluminium
for road use

size:

from 3,50 x 17 to 6,00 x 17

► MFR WHEELS are available in four lines: ◄



AF

motard

AF 12 M

forged aluminium
motard model in racing
and road versions

front:

3,50 x 16,5 and 3,50 x 17

rear:

from 4,50 x 17 to 5,40 x 17

► MFR WHEELS are available in four lines: ◄



AF

T-max

AF T-MAX
forged aluminium
for Yamaha T-max

front:
3,50 x 15
rear:
5,00 x 15



High-Tech made in Italy
and designed by Roberto Marchesini

Roberto Marchesini took pencil in hand and went back to his roots to make a difference, once again, in the design of high performance motorcycle wheels. He was doing this in collaboration with Fabio Nardin, an acknowledged expert in the field of metal working, to create new products with style and innovation.

This effective collaboration of two acknowledged experts, combined with investment in the most advanced and sophisticated technologies gave birth to MFR WHEELS. These new products were immediately chosen by Yamaha Motor Racing, both by its Factory Team - with the defending World Champion Jorge Lorenzo - and by the satellite Team Monster Yamaha Tech 3. MFR WHEELS were also chosen by Gresini Racing Team, as the Moto 2 defending World Champion, and by Tenerife 40 Pons Team, the Nieto G22 Racing Team, by QMMF Racing Team Qatar, by Moriwaky Engineering and many more.



Style, design, innovation

Clean and elegant design combined with creative technology:

that is the hallmark of Roberto Marchesini projects, ideas branded by the unmistakable Made in Italy style, which is continued successfully by the MFR company.

No doubt: the best ones.

Minimum weight, perfect rigidity.

MFR produced a high-tech wheel which has no competition. The classic choice of five spokes for the best weight-performance compromise allows for incremental rigidity in radial, torsion and flexural stress, assuring increased rider confidence on corner entrance and giving highly improved damping on rough and bumpy surfaces.

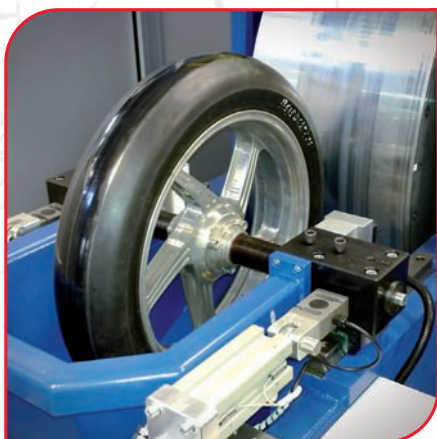


Lightening pockets

The insertion of lightening pockets in the rim groove, right at the coincidence of the coupler of the spokes, allowed for considerable reduction in the weight of the flywheel mass of the wheel. This noticeably enhanced the drivability of a motorcycle when in the sudden changes of direction. This design element was both complex and precise.

Assembling components

The details that complete MFR wheels are seen in the use of high quality materials, such as 7075 T6 and titanium alloys, and with the best hard oxide superficial treatment. MFR can also provide on demand aluminium alloy sprockets, treated in hard oxide and in the desired toothing size.



Rigid tests in both the laboratory and on the track

MFR wheels are inspected during several tests which testify to their degree of reliability. MFR is equipped with test benches which can test wheels according to safety standards as required both by international regulations and by specific motorcycle companies. MFR's testing simulates the worst stresses suffered by a wheel during the GP. Test drivers and official drivers tested MFR wheels on the track: the positive results that emerged by their tests are confirmation of the product's excellence.

Details that leave a mark

Even the least visible parts of the wheel are given great attention. The smallest details of our wheels are treated with a high degree of precision. This attention to detail allows for reduction in weight and guarantees the almost complete mass balancing.



Adhesion rim-tire

For competition wheels, which undergo a high degree of stress during acceleration and braking, MFR brilliantly solved the problem of rotation of the tire through the introduction of a special compound, applied exclusively on the bead seat retention area.

Wheel certification

Every single MFR wheel is engraved with a serial number indicating the production lot, the tests done and the type of use. A further way of guaranteeing the product.



Maximum corrosion protection

MFR introduced a very resistant anodic oxidation treatment for magnesium alloy wheels. Aluminium alloy wheels are treated through anodic oxidation which provides great corrosion resistance. Different colors can be applied on demand, both through anodic oxidation and through painting; moreover aluminium alloy wheels can be processed with a whole hard oxide surfacing treatment.

Team Yamaha Factory Racing - MotoGP World Champion

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Team Monster Yamaha Tech 3 - MotoGP

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Team Gresini Racing - Moto2 World Champion

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Team Pons HP 40 - Moto2

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Nieto, G22 Racing Team - Moto2

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Team QMMF Racing Team Qatar - Moto2

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Moriwaki Engineering



MFR
WHEELS