

# AQUILA RAPTOR

MADE BY MONDOLFO FERRO



The best combination of performance,  
speed and professionalism.

It is able to work on all types of wheels from 12" to 28".

## WITHOUT LEVER



## Benefits

New tyre changer by Mondolfo Ferro featuring “**WITHOUT LEVER**” tyre demounting technology.

**Aquila Raptor is a tyre changer able to meet all the needs of the wheel service professional.**

Its use is extremely simple and intuitive, combining the works consolidated over the years for the tyre specialist with innovative automatisms and functions.

All its parts have been designed and conceived to become immediately the best partner of the tyre specialist in his/her daily work.

**Below are the main benefits that can be obtained from this equipment:**

### HIGH WORKING PERFORMANCE

The **wheel locking with pneumatic backing pad**, the presence of the **double side bead breaker disc with 2 independent rollers** and the **demounting device without lever** ensure excellent performance of this machine.

### EASE OF USE

The demounting device “**WITHOUT LEVER**”, integrated in the traditional tool head, combined with a multifunction console, make this machine very easy to use, fully eliminating the operator fatigue.

### RIM AND TYRE PROTECTION

Every working operation is supported by functions and tricks able to guarantee **the absolute integrity of the rim and the tyre**. The wheel locking through the central hole without using jaws, the automated tyre demounting unit without using the lever combined with an absolutely efficient and safe bead breaking, ensure integrity and safety for the operator.

### SPEED

The **perfect integration of the various functions**, combined with an ergonomic workstation, ensure high working speed in every situation.

### UNIVERSALITY

Aquila Raptor can properly operate on all types of vehicle and light duty vehicle wheels up to 28”, thanks to a comprehensive range of standard and optional accessories.

This tyre changer has been manufactured to facilitate mounting and demounting of all types of tyres, especially rigid profile, low profile and run-flat tyres, that today are very popular (Bridgestone RFT, Goodyear RunOnFlat, Pirelli Eufori@, Michelin ZP, Continental SSR, Dunlop DSST, etc.).

**Aquila Raptor is approved by WDK** (Tyre industry association), which identifies the equipment that complies with the WDK procedures.



**1.** The machine is equipped with a **multifunction and ergonomic console** and, on request, with a convenient lift.

**2-3.** The **pedal unit** allows the operator to always work with **maximum ergonomics** by operating the lift.



The machine is extremely **easy to use, intuitive and safe**; its ergonomic shape and the single control console allow total control of all movements, ensuring the operator **rapid and instinctive work**.



## Recommended accessories



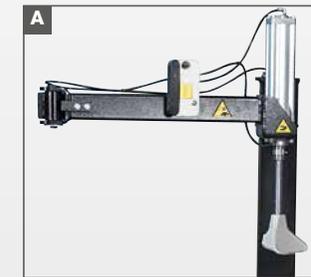
**4. Integrated tyre locking** that allows easy positioning of the wheel on the turntable, without any effort, and to brake the two beads in a single movement, without turning the rim.

**5-6-7.** The **bead breaking unit** consists of two mirrored discs working in vertical direction. They can be radially positioned by operating a control on the console. The type of bead breaking system is dynamic and ensures the perfect distribution of the forces required for the operation on the entire circumference of the tyre, avoiding the risk of damaging the rubber or rim. The bead breaking system is extremely efficient on all types of tyres thanks to the patented bead breaker disc penetration system shown below.

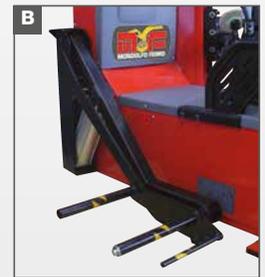
**Maximum safety for valve sensors.**



**8-9-10.** The demounting device **WITHOUT LEVER**, applied to the extraction system, **completely eliminates the physical effort of the operator and ensures maximum safety for the rim and tyre.**



**A. Press Mate -> 8-11100128**  
Pneumatic bead presser



**B. 8-11100127**  
Wheel lift



**C. 8-11100046**  
Extension kit for reverse wheel flange



**D. 8-11100039**  
Reverse wheel kit



**E. 8-11100038**  
Flange for closed and special rims

For more information please refer to the complete accessory catalogue

## Standard accessories



## Technical data

### Wheel size range

Rim diameter	<b>from 12 to 28"</b>
Max tyre diameter	<b>1080 mm (42")</b>
Maximum tyre width	<b>15"</b>

### Turntable

Automatic clamping	<b>with handle</b>
Turntable rotation torque	<b>1200 Nm</b>
Clamp rotation	<b>6-15 rpm</b>
Motor rating	<b>2-speed inverter motor</b>

### Wheel lift capacity

**85kg**

### Power supply

Single-phase electric motor 2V	<b>230V 50/60Hz 0.75 kW</b>
	<b>110V 50/60Hz 0.75 kW</b>
Working pneumatics	<b>10 bar</b>
Weight	<b>380 kg</b>
A weighted sound pressure level (LpA) at the workplace	<b>&lt; 70 dB(A)</b>

## Dimensions

