

INNOVATIVE SUPER-AUTOMATIC TYRE CHANGER LEVER-LESS & CONTACTLESS TECHNOLOGIES

SAFETY
SENSOR ✓



M 1032 Evo Diamond

NEW VERSIONS:
DIAMOND
GOLD
SILVER
STD

SUPER-AUTOMATIC
HYDRAULICALLY DRIVEN
FOR RIMS UP TO 32"

AUTOMATIC
DISASSEMBLY
CYCLE

M 1032 Evo

The M 1032 Evo tyre changer is able to safely handle any types of wheels for cars and light transport vehicles from 13" to 32", without ever getting in contact with the rim.

The ever-increasing use of alloy, chrome-plated, and painted rims requires the rims **NEVER** be touched, not even with plastic protectors

The pre-selection of the rim diameter, resulting in automatic positioning of the wheel with respect to the **automatic revolver**, and the coordinated movement between the wheel axis and the revolver, guarantee easy operation and excellent precision.

In the **GOLD** and **DIAMOND** versions, demounting operations take place via the **automatic demounting cycle**, which allows the operator to simply view the work without making any effort. The wheel width detection, bead breaking and tyre demounting operations are automated and follow an efficient program for each type of wheel.

Two automatic demounting programmes available: **Normal** and **Soft**



4 NEW VERSIONS:

DIAMOND | GOLD | SILVER | STD

AXIAL MOUNTING TURNTABLE

Axial mounting turntable electromechanical intelligence with hydraulic (Patented) axial movement. The first machine where the wheel axis moves at the same time as the tool to make the operations easier and guarantee precision and effectiveness.

AVAILABLE VERSIONS	STD	SILVER	GOLD	DIAMOND
FRONT WHEEL LIFTER	●	●	●	●
BEAD PRESSER	●	●	●	●
VIDEO CAMERA		●	●	●
ELECTRONIC INFLATOR				●
AUTOMATIC CYCLE			●	●



PATENTED





MOBILE CONTROL CONSOLE

Cabinet control panel, can be placed in the most ergonomic position. The controls are simple, intuitive and very user-friendly.

NEW INTERACTIVE TOUCH-SCREEN

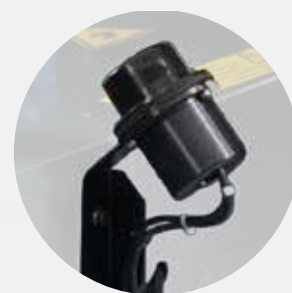
A 19" touch-screen monitor allows you to keep the various mounting and demounting stages under control, assisting daily work thanks to its ease of use and great versatility.

The display alternates on the screen as needed:



Electronic rim diameter selection system with resulting automatic radial wheel positioning (a micro-regulation system is also possible).

"Always-active camera available on-screen (standard on all versions except the STD)."



PEDAL CONTROL

Ergonomic pedal control with 4 pedals. From the right:

- Turntable rotation.
- Wheel clamping.
- Wheel unclamping.
- Inflation.



PREMIUM WHEEL LIFTER

Front wheel lifter with ascent and descent complete movement.

Allows the operator to move the wheel on the tyre changer without effort and without changing his working position.

Standard for all versions.

Capacity: 85 kg



MULTI-FUNCTION REVOLVER TOOL

Multi-function "revolver" tool with 4 innovative tools:

- Automated rotation.
- 3 working positions.
- Mobile spring driven tyre coupling (Patented).

HYDRAULIC LOWER BEAD BREAKING OPERATION

A second independent but specular disc rises and the wheel performs a specific movement to facilitate the bead breaking operation with a controlled penetration path.



PATENTED



LOWER RECLINABLE LEVER

Lower reclinable lever: always placed in the best radial position to facilitate the first bead mounting.

BEAD PRESSER

Bead presser with adjustable work height.
The shape of the presser is ideal for Run Flat tyres.

The job of the bead presser is aided by the presser incorporated in the "revolver" that always keeps the tyre in the correct position (Patent Pending). **Standard for all versions.**

ELECTRONIC INFLATOR

Electronic inflator (Inflatron) supplied as standard in **DIAMOND** version.
Integrated system of automatic inflating and deflating procedures.
Touch-screen interface.





NEW DISC WITH SENSORS

The new disc with sensors, the major innovation of this evolution, allows automatic detection of the wheel width when using the automatic bead breaking cycle.

SETTING THE WHEEL SIZE

Via a new 19" touch-screen monitor, it is now even easier to set the wheel size in inches (13" ÷ 32") and its optimal radial self-positioning with respect to the automatic revolver.



WORKING PROCEDURE



INSERT THE HANDLE WITH THE CLAMPING CONE

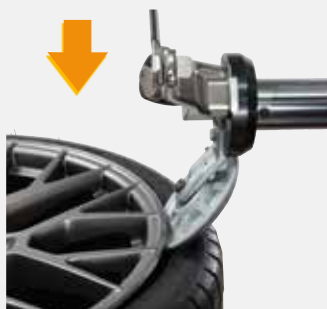


POSITIONING HANDLE WITH CONE ON THE RIM



CLAMP WHEEL RELEASING THE PEDAL

TYRE BEAD BREAKING



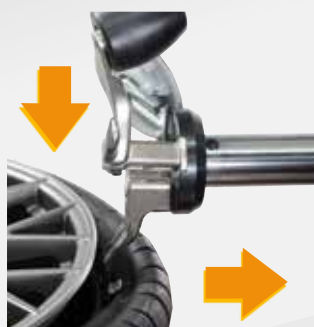
The revolver bead breaker disc presses on the tyre with hydraulics and the simultaneous rotation of the wheel facilitates the upper bead breaking.



Successively, the lower bead breaker disc presses from underneath and the simultaneous rotation of the wheel facilitates the lower bead breaking.

DEMOUNTING THE UPPER BEAD

The revolver demounting tool enters between the tyre and the rim facilitated by the movement of the moving part of the claw. The revolver with the loaded tyre rises upwards and with the help of the lower bead breaker disc demounts the first bead.



NEW TOOL
WITH MOBILE
SPRING COUPLING

SAFETY
SENSOR ✓



DEMOUNTING THE LOWER BEAD

Continuing its upward stroke, with the synchronised movement of the wheel, the bead breaker disc alone completes the tyre demounting.



MOUNTING THE LOWER AND UPPER BEADS

A. The upper BEAD BREAKER DISC and built-in plastic roller push the tyre into the rim.

B-C. If required, the lower arm tool will help you perform this operation on particularly soft tyres.



D-E-F. By positioning the REVOLVER mounting tool head between the rim and the tyre, the REVOLVER PLASTIC ROLLER will automatically help the tyre to stay in the channel.

The rotation of the centre post turntable and the help of the standard rotating bead pressing tool will make the final mounting very easy.



TECHNICAL DATA

Wheel size range

Rim diameter	from 13" to 32"
Max tyre diameter	1200 mm (47")
Maximum tyre width	400 mm (16")
Upper and lower bead breaking force	900 kg

Electromechanical centre post turntable

Automatic clamping	with handle
Rotation torque	1200 Nm
Rotation speed	7-18 rpm
Motor rating	motor inverter 2 speed
Wheel lifter capacity	85kg

Power supply

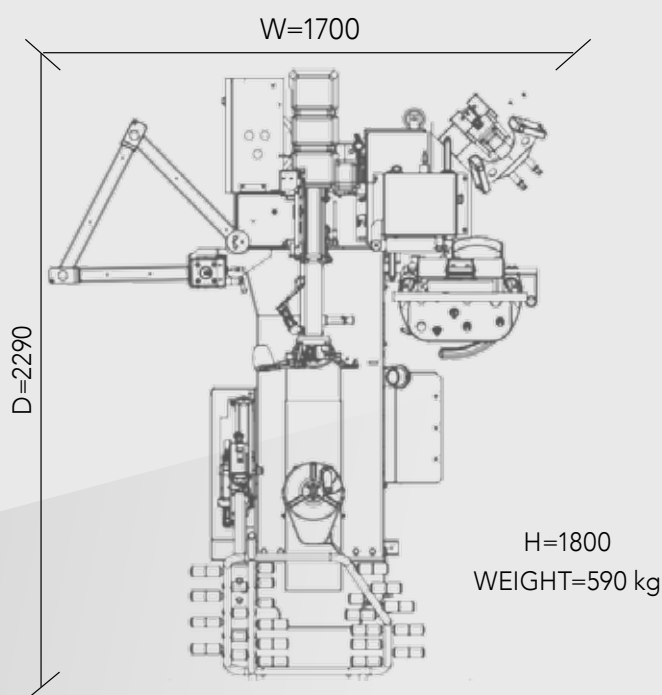
Electric 1Ph	230V-0,75 kW 50Hz/60 Hz
Electric 1Ph (alternative)	115V-0,75 kW 50Hz/60 Hz
Working pneumatics	8 bar
Hydraulic control unit motor	0.8 KW
Operating hydraulic pressure	120 bar

A weighted sound pressure level (LpA) at the workplace < 70 dB(A)

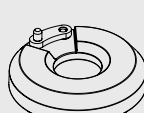
STANDARD ACCESSORIES



DIMENSIONS



ACCESSORIES

-  **A. 8-15100041**
ALL IN ONE universal flange
100mm + spacers 20 mm
-  **B. 8-11100037**
Van and pick-up rim
rise kit
-  **C. 8-15100003**
Special adapter kit for high rims
(H=28mm). E.g. Porsche rear wheel
-  **D. 8-15100040**
Spacer ring kit H=22mm
matches with P/N 8-11100037 /
8-11100086 / 8-15100003
-  **E1. 8-11100404**
T.I. inflating system kit
E2. 8-15100038
T.I. ASME kit (For USA and Canada
only)