

TECO TH 32 Ultra

Automotive Equipment



Tyre
Changers

**Hydraulic tyre changer with wheel
diameter pre-selection**

It can work on **all types of wheels
from 13" to 32"**

3 versions available:

BASE

VISTA

TOP



TECO TH 32 Ultra TOP P.L.



**Innovative super-automatic tyre changer
"LEVERLESS - CONTACTLESS"**

TECO TH32 Ultra is the innovative **LEVERLESS** and **CONTACTLESS** tyre changer dedicated to the most demanding professionals.

The ever-increasing popularity of chrome-plated and repainted alloy rims means that it is essential to avoid any contact with the rim during work operations, not even with plastic-coated components.

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.

The main features mentioned below represent the strengths of this revolutionary tyre changer capable of operating **on any type of car and light duty vehicle wheel from 13" to 32"**:

- **Hydraulically-controlled operation.**
- **Synchronised** wheel and tool movements.
- **REVOLVER tool** (4 tools) with 3 positions and automatic rotation.
- 3 new patented solutions for **maximum** operator **benefit**.



FEATURES

- 1. REVOLVER** tool (4 tools) with 3 positions and automatic rotation.
- 2.** Bead pressing tool.
- 3. Smart electromechanical centre post turntable** with HYDRAULIC axial movement.
- 4.** Wheel lifters:
 - **Side wheel lifter** with vertical lifting (80 kg).
 - **Top wheel lifter** with double function. Raise and place the wheel on the chuck (85Kg).
- 5.** New-generation inverter motor.
- 6.** Ergonomic pedal controls.
- 7.** Manually fold-up tool for first bead mounting.
- 8. Lower bead breaker disc and lower mounting tool head with independent movement.**
- 9.** Hydraulic control unit.
- 10.** Console comandi Mobile.
- 11.** Inflatron electronic inflator (standard in the TOP versions).
- 12. Interactive TOUCH-SCREEN**, with microprocessor-controlled TFT-LCD interface display.



STEP 1: SETTING THE WHEEL SIZE

INTERACTIVE TOUCHSCREEN

The **interactive touch-screen** allows setting the wheel size in inches and **automatically positioning** the wheel radially with respect to the AUTOMATIC REVOLVER.

TECO TH32 Ultra is the first machine where the wheel axis moves simultaneously with the tool to guarantee precision and efficiency.

- Electronic rim diameter selection with consequent automatic radial positioning of the wheel (micro-adjustment is also possible).
- CAMERA always active that can be displayed on screen (standard in all versions except the BASIC one).
- Selection of 4 tyre demounting programmes: **Normal**, **Run Flat-UHP**, **Soft** and **Baloon**.



TOP WHEEL LIFTER VERSION

with automatic movement of the centre post turntable for easier wheel loading



SIDE - SL WHEEL LIFTER VERSION

with vertical lifting and automatic movement of the centre post turntable for easier wheel loading.



Wheel lifter pedal controls.

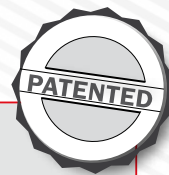
TOP wheel lifter control lever.



STEP 2: WHEEL CLAMPING



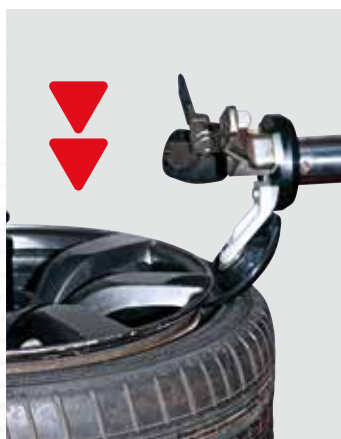
New patented wheel clamping:
FAST, SIMPLE, RELIABLE
for **all wheel types** (complemented
by special dedicated flanges and
cones)



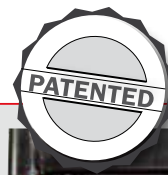
**ELECTROMECHANICAL
TURNTABLE**
WITH ELECTRONIC CONTROL

STEP 3: BEAD BREAKING THE LOWER AND UPPER BEAD

Hydraulic upper bead breaking operation:
the disc descends and the wheel performs
a specific movement to facilitate the
bead breaking operation with a controlled
penetration path.



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.



MULTIFUNCTION REVOLVER
4 TOOLS - 3 POSITIONS - AUTOMATIC ROTATION



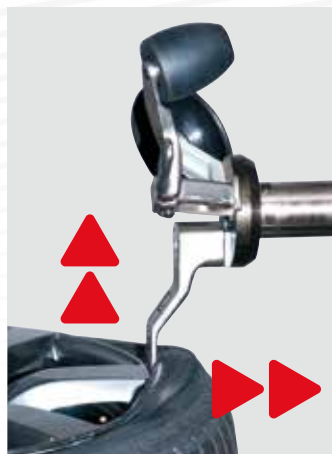
LOWER TOOL WITH MANUAL ENGAGEMENT



STEP 4: DEMOUNTING THE UPPER BEAD

The DEMOUNTING of the first upper bead is facilitated by the new tool with **mobile spring hook**.

This important feature allows any type of tyre to be easily and **safely clamped**, reducing tension and stress.



**NEW TOOL
WITH MOBILE SPRING
COUPLING**



During the AUTOMATIC DEMOUNTING CYCLE, the software provides a movement that guarantees the **COMPLETE PROTECTION OF THE TPMS SENSOR**

DEMOUNTING THE LOWER BEAD

The lower independent bead breaker disc moves upwards until the tyre is brought into the demounting position, an operation that can be facilitated by the **simultaneous movement of the WHEEL UNIT**.



STEP 6: MOUNTING THE LOWER AND UPPER BEADS



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



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



Complete MOUNTING operation facilitated by tool and built-in presser always in the same position.



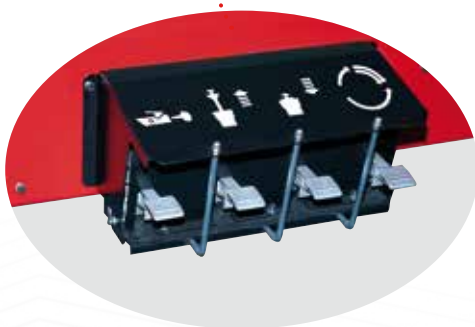
E-F. By positioning the REVOLVER mounting tool head between the rim and the tyre, the REVOLVER PLASTIC ROLLER will automatically help the tyre to stay in the channel.

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



4-PEDAL CONTROLS

- Inflation.
- Wheel clamping.
- Wheel unclamping.
- Centre post turntable rotation.



VERSIONS WITH SIDE - SL WHEEL LIFTER

Thanks to the **hydraulically-controlled** operations and the very **practical control console** that provides complete supervision over all operations, **TECO TH32 Ultra proves to be essential** when choosing the right solution to achieve maximum performance.

MOBILE CONTROL CONSOLE

All work operations are controlled via the **freely positionable console**.



Simple, fast and intuitive controls.

User-friendly with absolute control in manual operation.



AVAILABLE VERSIONS

	SIDE WHEEL LIFTER	TOP WHEEL LIFTER	BEAD PRESSING TOOL	AUTOMATIC MECHANISM	CAMERA	INFLATRON
TECO TH 32 ULTRA BASE S.L.	*		*			
TECO TH 32 ULTRA VISTA P.L.		*	*		*	
TECO TH 32 ULTRA TOP P.L.		*	*	*	*	*

Tyre
Changers

STANDARD ACCESSORIES



RECOMMENDED ACCESSORIES



8-11100039
Reverse rim flange.



8-11100037
Van and pick-up rim rise kit.



8-11100087
Universal flange for closed and special rims.

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	7-20 rpm
Motor rating	2 speed inverter motor
Rotation speed	7-18 rpm
Wheel lifter capacity	80 kg SL - 85kg PL

POWER SUPPLY

Elettric 1Ph	230V - 0,75 kW - 50/60 Hz
Elettric 1Ph (alternative)	115V - 0,75 kW - 50/60 Hz
Working pneumatics	8 bar
Hydraulic control unit motor	0.8 KW
Operating hydraulic pressure	120 bar
Weight	500 kg - 550 kg (with TOP wheel lifter)
A weighted sound pressure level (LpA) at the workplace	< 70 dB(A)

OVERALL DIMENSIONS

with STD lifter (W x H x D)	1700 x 1850 x 2015 mm
with TOP lifter (W x H x D)	1700 x 1850 x 2110 mm

The manufacturer reserves the right to modify the features of its products at any time.

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