

**SUPER-AUTOMATIC TYRE CHANGER**  
**LEVER-LESS TECHNOLOGIES**



# M 824 LL

## WIDE CLAMPING RANGE AND TOP PERFORMANCES

Super-automatic tyre changer, suitable for all car, SUV, van and motorcycle wheels.

Available in **one-speed motor version** and in **2V version with two-speed motor and tubeless inflating device FS**.

### TILTING POST

Tilting post with high torsional rigidity in all working positions for maximum rim protection during the work, above all in the general reinforcement of the machine's structure. Tool-holder shaft is balanced and activated by means of an air-operated servocontrol with automatic head locking in the ideal working position .

A roller under the horizontal operating arm minimises the effort of operators.



**PATENTED**



### TURNTABLE

Turntable equipped with a **patented system** to switch the working range from 10"÷20" to 14"÷24" (from outside rim clamping) with a simple manual shift.

## FUNCTIONAL FEATURES

"IP system" (Increased Power system): **speed rotation of the turntable automatically adjustable**, the torque remains at the best ratio also at maximum speed. Available only for M 824 2V FS LL (2-speed version: 8 - 15 rpm).

The turntable can clamp alloy rims of new-generation from both outside and inside without any damage thanks to its special plastic protections supplied as standard.

The **bead breaking arm** features technical solutions that allow easy operation on

wheels up to 15" in width. Technical solutions that, thanks to quick **setup**, ensure correct positioning of the bead breaking shoe with respect to the wheel, avoiding damage to the tyre and/or rim. Operation is ensured on any type of wheel.



## DOUBLE ADJUSTMENT OF THE BEAD BREAKING BLADE

Another important innovation is the introduction of a **double adjustment** for the **inclination of the bead breaking blade**. This adjustment acts in two different directions: up-down and inside-outside. Thanks to these adjustments, the bead breaking arm will always be in the best possible position.



## PEDALS

Ergonomic pedals made of aluminium with clear functional symbols.

## SOLID AND STURDY, ESPECIALLY SUITABLE FOR INTENSIVE USE



The same working movements in the demounting procedure, but absolutely no effort is required from the operator thanks to the “**LEVER-LESS**” technology incorporated in the tools head (patented).

Tool head with profile to suit to new tyres and rims. Interchangeable plastic parts to protect the rims, during tyre demounting/mounting.

## LEVER-LESS TECHNOLOGY

NO EFFORT IS REQUIRED THANKS TO THE "LEVER-LESS" TECHNOLOGY.



## M 824 LL + ALLY 90

M 824 tyre changers equipped with **ALLY 90** are tested and approved by WDK Frankfurt to mounting and dismounting the UHP and Run Flat Tyres system.

ALLY 90 bead lifting/pressing device suitable for all car wheels, enables the user to mount and demount any type of tyre currently available on the international markets, without additional devices, from standard to sport tyres, from low profile tyres to special "run flat" ones like: Good-Year RunOnFlat, Pirelli P ZERO, Bridgestone RFT, Michelin ZP, Continental SSR, Dunlop DSST.

Designed in order to handle also all PAX System Michelin and SR System tyres (When equipped with respective ones optional kit).

Bead pressing accessory, enables the user to mount and demount the upper bead on the most difficult wheels.

WDK Approval.



## M 824 LL + ALLY 30

ALLY 30 is a practical and highly functional device designed to effectively support tyre mounting and demounting operations.

Engineered to minimize operator effort, it is particularly suitable for handling low-profile sports tyres, Runflat and UHP tyres.

A **conversion kit** (as shown in the picture) is also available, enabling the use of a plastic pressing disc and a dedicated bead pressing tool (code 8-11120096 – Roller to Disk Kit), for increased versatility and wider range of applications.

ALLY 30 STANDARD



ALLY 30 WITH KIT ROLLER TO DISK



# LEVER-LESS TYRE CHANGER M 824 LL - M 824 LL 2V FS

## TECHNICAL DATA

### Wheel dimensions range

|                              |                                    |
|------------------------------|------------------------------------|
| Self centering chuck opening | from 10" to 24"<br>from 13" to 26" |
| Max. wheel diameter          | 1040 mm (41")                      |
| Max. wheel width             | 356 mm (14")                       |
| Bead-breaking power (blade)  | 10 bar - 15.500 N                  |
| Bead-breaking blade opening  | 410 mm                             |

### Self centering

|                  |           |
|------------------|-----------|
| Lock             | automatic |
| Torque           | 1200 Nm   |
| Rotational speed | 7-18 rpm  |

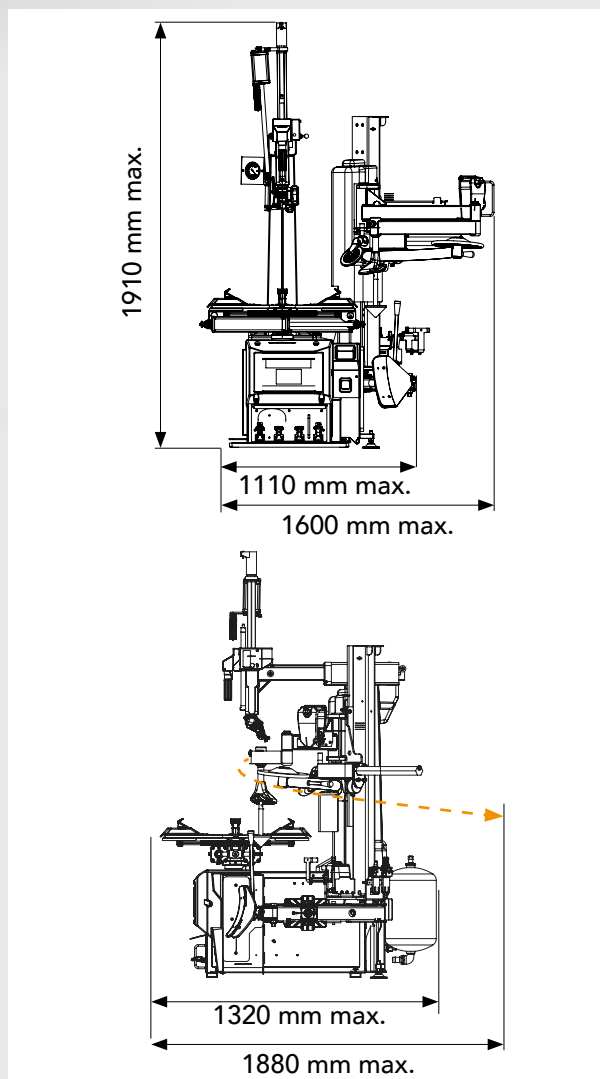
### Power supply

|                            |                               |
|----------------------------|-------------------------------|
| Elettric 1Ph 2 speed       | 200/230V - 0,75 kW - 50/60 Hz |
| Elettric 3Ph 1 speed       | 400V - 0,75 kW - 50Hz Hz      |
| Working pressure           | 10 bar                        |
| Hydraulic power unit motor | 0.8 KW                        |
| Noise level when running   | < 70 dB(A)                    |
| Machine weight             | 288 kg.                       |

## STANDARD ACCESSORIES



## DIMENSIONS



## RECOMMENDED ACCESSORIES



8-11100243  
KWL80 Dispositivo  
sollevamento ruote.  
Capacità: 80 kg.



8-11120092  
Porta oggetti.

For more information, please refer to the complete accessories catalog.



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