

# MS 630-24 and MS 650

## Best in class for tyre specialists



- 24" and 28" external clamping
- G-Frame rigidity
- Revolutionary bead breaker system Ergo Control
- Side Lift NG

# MS 630-24 and MS 650

## Advanced technology for high wheel service volume workshops

MS 630-24 and 650 are pneumatic tilting back pole passenger car tyre changers that allow to work with car, light commercial vehicle and motorcycle tyres (with special accessories).

The 630-24 model is equipped with 24" turntable (external clamping), while 650 is equipped with 28" turntable. Both have been designed for high wheel service volume workshops and tyre specialists.

The extreme rigidity of the structure and the reduction of flexion of the operating arm, characterized by the use of the G-frame concept, make them a market benchmark for robustness and solidity even with UHP and RFT tyres.

Both models can be provided with standard bead breaker Ergo Control function. Motor Inverter drive system guarantees the best combination of power and speed needed for an effective service.

The MS 650 is supplied as standard with a pneumatic positioning of the mounting tool and the Tecnoroller NG that makes easier and faster the work with UHP and RFT tyres.

Both tyre changers can be equipped with the Side Lift NG which allows you to work always in an ergonomic position.

**Models:**

- With and without tyre inflation assistance system through jaws (IT)
- With and without Ergo Control (patent pending)
- With and without tyre leverless system (TLL)
- With and without Tecnoroller NG (only 630-24 model)
- Two drive motors available (1 Ph/3 Ph)

Models	Motor 1*	Motor 2**	Tecnoroller NG	Inflation Technology IT	Ergo Control	TLL
MS 630-24	•	•				
MS 630-24 IT	•	•		•		
MS 630-24 V1	•	•	•			
MS 630-24 IT V1	•	•	•	•		
MS 630-24 V5	•	•			•	
MS 630-24 IT V5	•	•		•	•	
MS 630-24 V6	•	•	•		•	
MS 630-24 IT V6	•	•	•	•	•	
MS 630-24 V8	•	•	•		•	•
MS 630-24 IT V8	•	•	•	•	•	•
MS 650 V1	•	•	•			
MS 650 IT V1	•	•	•	•		
MS 650 V6	•	•	•		•	
MS 650 IT V6	•	•	•	•	•	
MS 650 V8	•	•	•		•	•
MS 650 IT V8	•	•	•	•	•	•

\* Standard motor 3 phase

\*\* Single phase motor equipped with inverter

## Ergo Control (patent pending)

**Revolutionary bead breaker system**

Ergo Control is a hand bead breaker system that allows you to execute the operation of tyre-beading always in an ergonomic working position, reducing the time with less effort while always being in a safe position.

**Ergonomic working position:** you stand in front of the wheel, not in front of the pedals.

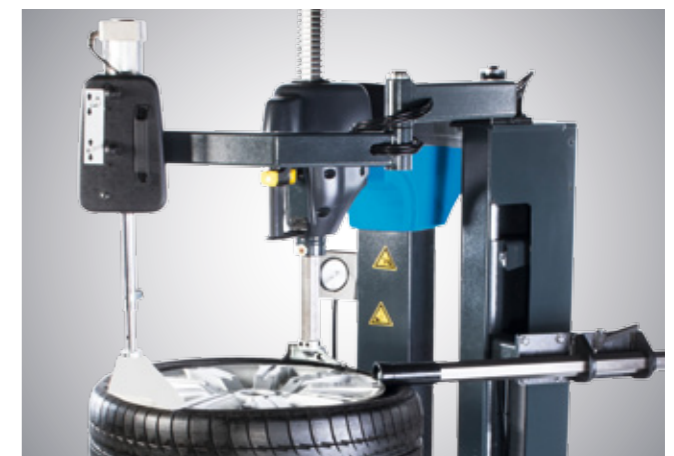
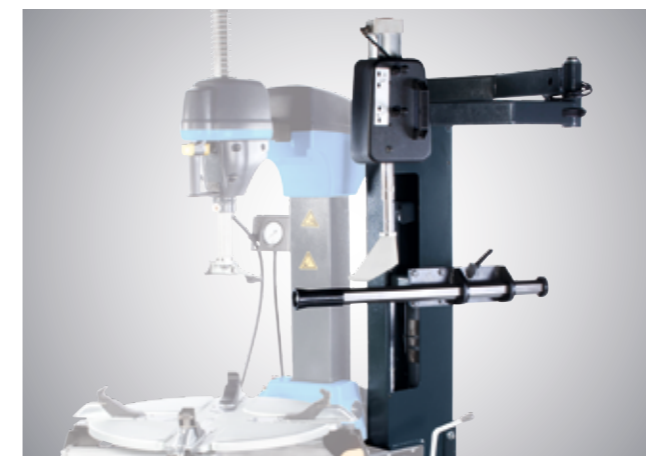
**Increase of safety:** the use of the bead breaker lever (patented) guards the operator's arm.

**Protection of wheel/rim and TPMS:** the control by using the lever gives the operator a maximum of sensitivity.

**Intuitive, easy to use:** the movement of the blade can be driven by only a finger

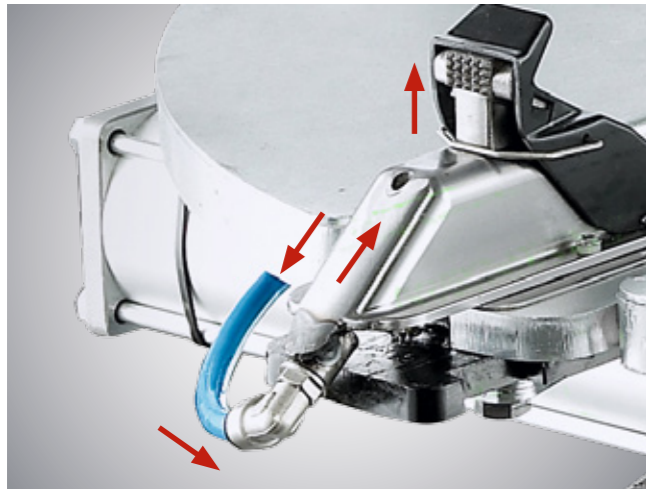


## Tecnoroller NG



TECNOROLLER NG is a pneumatic device to assist during mounting and demounting operations of any type of passenger car and light commercial vehicle tyre. It is especially recommended to mount and demount UHP and RFT tyres. It is designed to offer a **great user experience**, control switches are accessible from any working position and the high positioning of the follower arm facilitates all operations on the tyre bead.

## Inflation Technology ("IT")



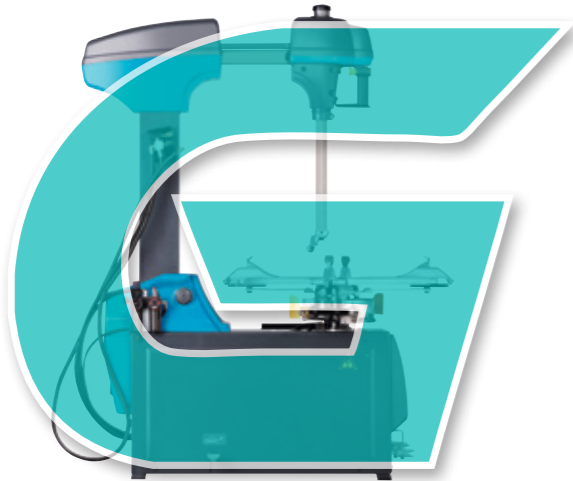
- Tyre inflation and blast of air are controlled by pedal
- Tyre inflation assistance system through the jaws, which thanks to the new design, guarantees higher air jet power

## Tyre Leverless System ("TLL")



- Movement of the TLL Levelless system allows to perfectly follow the rim profile making easier the access of the tool and allowing perfect bead extraction.

## G-Frame



### G-Frame for stability, safe and innovative, functional design

The mounting head always remains at a safe distance from the rim to prevent damage on tyre changing.

- G-Frame design standard
- Mounting head with automatic clearance function
- Mounting arm with rigid hexagonal profile
- Mounting column with extra-wide diameter (140 x 140 mm) and pneumatic locking system

## Side Lift NG



### Side Lift NG – Simple and easy to use

All new tyre changer platforms can be upgraded with the Side Lift NG which allows the operator to always work in an ergonomic position. The Side Lift NG is mounted on the right side of the machine next to the bead breaker which allows for improved productivity. The Lift is also equipped with an integrated roller board which leads to an easier and faster bead breaking operation.

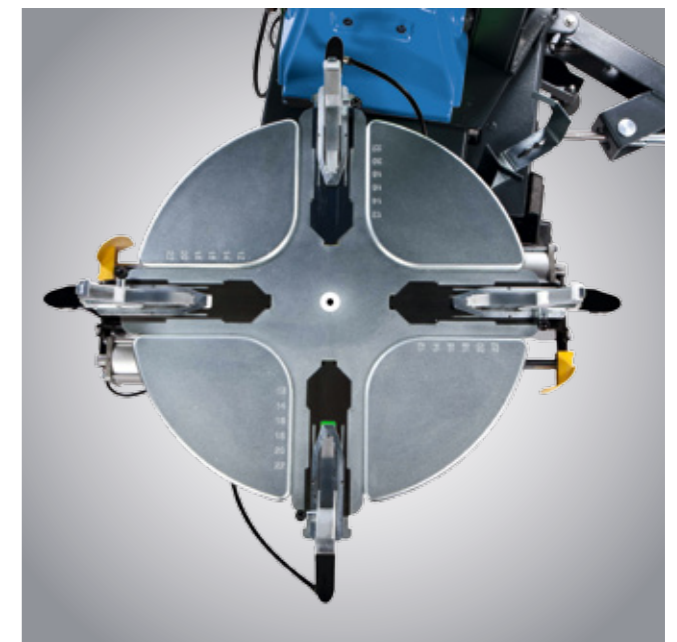
## Advantages

### Convenient tyre changing

- Self-centring four-jaw chuck
- Save time, no need to remove plastic jaws protection for steel rims inside clamping thanks to their new design
- 100 mm diameter of mounting column cylinder guarantees column and mounting head stability
- Optimised storage/holder for bead lever
- Universal, flexible adjustment of the lubricant ring shaped holder, one fits for all

### Reduced effort for the operator – increased safety and speed!

- Be flexible and optimize your job. Save time thanks to 40 % faster bead breaking cylinder
- Cushioned cylinder for rapid but smooth movement, of the vertical tilting back pole, at the end of the stroke
- Time saving tyre inflation, 25 % faster than other comparable brands. Now easier to reach double-scale pressure gauge (bar/psi) on the side of the pole
- Fast clamping thanks to the new self centring table top with more robust desing and inch scale laser printed
- Bright yellow warning and knee protection safety signs at turntable cylinders ("yellow fin")
- By a simple movement it is possible to reach the max. turntable working range
- Special treatment to protect the turntable from dust and rust. Clean has never been so easy! (patent pending)



## Product at a glance



### MS 630-24

- Suitable for wheels up to 1200 mm
- Up to 24" outside rim clamping
- Up to 12,5" rim width

### MS 650

- Suitable for wheels up to 1200 mm
- Up to 28" outside rim clamping
- Up to 15" rim width

## Technical data

Range of application	MS 630-24	MS650
Max wheel diameter	up to 1200 mm	up to 1200 mm
Outside rim clamping	10" – 24"	12" – 28"
Inside rim clamping	12" – 28"	13" – 32"
Rim width	3" – 12,5" 4" – 15" (V8)	3" – 15" 4" – 15" (V8)
Bead breaker range	70 – 397 mm	70 – 397 mm
Air connection	8 – 10 bar	8 – 10 bar
Dimensions (WxHxD)	1380 x 2110 x 1840 mm 1450 x 2295 x 2010 mm (V8)	1450 x 2350 x 2010 mm 1450 x 2295 x 2060 mm (V8)
Net weight	317 kg; 385 kg (V8)	360 kg; 385 kg (V8)
Bead Breaking force	11500 N	11500 N
<b>MOTOR VERSION 1</b>		
Main connections	3 Ph – 400 V 50 Hz	3 Ph – 400 V 50 Hz
Absorption	8 – 10,5 A	8 – 10,5 A
Speed of rotation	(two-speed) 7/15 rpm	(two-speed) 7/15 rpm
<b>MOTOR VERSION 2 with frequency converter</b>		
Main connections	1 Ph – 230 V (50 – 60 Hz)	1 Ph – 230 V (50 – 60 Hz)
Absorption	23 – 24 A	23 – 24 A
Speed of rotation	(torque control) 7/15 rpm	(torque control) 7/15 rpm
<b>SCOPE OF DELIVERY</b>		
Tyre inflater (pedal-controlled)	•	•
Jaws plastic protection	•	•
5 demounting head tongue protections	•	•
Plastic protection for bead breaker	•	•
Wing side protection for demounting head	•	•
Lubricant brush and bead lever	•	•
Roller board	Optional	Optional
Ergo Control	• (V5, V6, V8)	• (V6, V8)
Tecnoroller NG	• (V1, V6, V8)	•
<b>TECNOROLLER NG</b>		
Max press force	5500 N (horizontal arm) 2500 N (follower arm)	

### Applications / Wheel sizes

- All rims
- All types of passenger cars and light trucks
- Motorcycle wheels (with special accessory kit)
- No need for re-positioning of clamping jaws or mounting column

### Two speed rotation turntable

- 3 Ph – 400 V (50 Hz): two-speed, forward / reverse
- 1 Ph – 230 V (50 – 60 Hz): MOTOINVERTER DRIVE SYSTEM the needed torque at your speed

\* Available only for specific models

# Accessories

PN: 1695 108 055



Pressing point

PN: 1695 102 148



Jaws plastic protection kit

PN: 1695 101 608



Demounting head tongue protection

PN: 1695 102 725



Mounting tool cover

PN: 1695 106 152



Plastic protection for bead breaker suitable

PN: 1695 105 191



Plastic rim protection

PN: 1695 101 575



Motorbike/scooter adaptors

PN: 1695 101 518



Bead breaking bearing motorbike wheel

PN: 1695 103 210



Motorbike mounting head kit

PN: 1695 103 057



Kit WDK for run flat and ultra high performances tyres

PN: 1695 106 190



Roller board

PN: 1695 101 372



External IT kit

PN: 1695 903 403



Tecnoroller NG

PN: 1695 105 190



Mounting lever (WdK-Model)

PN: 1695 102 584



Storage kit

PN: 1695 103 261



Bead pressing device (thin)

PN: 1695 103 216



Bead pressing device (thick)

PN: 1695 107 466



Side Lift NG

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