



### Super-automatic touchless leverless tyre changer

Super-automatic touchless leverless tyre changer suitable for fitting/removing all kinds of passenger car and LCV tyres from 12" to 30" (max. wheel diam. 1200 mm./47", max. wheel width 406 mm./16"). Suggested for top professional tyre specialists, servicing run flat and UHP tyres with no tool/rim contact.



### Approved by



### Main Features



**Car**  
Suitable for car wheels



#### LeVerLess

Allows tyre mounting/demounting operations without use of classic conventional tyre lever, making the operations more practical, easy, intuitive and without any stress for the operator.



**Touchless**  
No Contact



#### 12"-30"

Allows to operate with tyre assemblies from 12" to 30".



#### Smart Lock

SMART LOCK is the fastest manual wheel clamping system on spindle chuck in the world. Thanks to the "expanding nut" (GIULIANO exclusive patent), you just need a 90° movement on the knob after dropping the shaft into...



#### Joystick

Allows to move the tool with maximum simplicity and accuracy.



#### Twin Laser

Two laser pointers allow to easily set working tools in proper position simultaneously, according to tyre diameter and width.



#### Roller Bead Breaking

Bead breaking by disks, without contact with the rim, works with tyre assembly in horizontal position



#### TriTool

Three tools, the ideal one for each stage. Each of them automatically in correct position, and with a fixed stroke, to prevent and avoid any risk of damage on rim or tyre. Giuliano patent



#### Center Driven Concept

Bead breaker disks are slightly but purposely misaligned with the rim center for a better and faster penetration and immediate bead loosening



#### Total Motorinverter Drive

All working tools and devices powered by motoinverter system, extremely precise, and powerful.



#### XTool

Touchless Leverless tyre demount tool, as it works in no contact with the rim ! Extremely user friendly, fast and safe. Giuliano patent

**Bead Pressing Arm Plus**

BP1 Plus pneumatic bead pressing arm (GIULIANO patent) lifts up automatically at the end of the mounting procedure, and moves back in rest position, with no need for the operator to change his working position.

**Two speed chuck**

Two speed hydraulic chuck, allows to adjust rotation speed in accordance with the type of operation to perform, ensures work efficiency and safety.

**Lift**

Allows an easy and ergonomic positioning of the tyre assembly on the clamping chuck or turntable plate, so avoiding any possible stress for the operator, caused by tyre lifting operations



## Description

XBoss super-automatic touchless leverless tyre changer represents a further significant step of tyre changers' evolution. It's based on patented SA FAST system (Safe on wheel FAST on work) and embodies the best of Giuliano technologies.

Designed with these guidelines, the new XBoss tyre-changer offers a unique, incredibly advanced and most innovative Giuliano experience yet: it's enough just to set tyre position before starting operations by means of two laser pointers (Twin Lasers). Once position is set, all functions are automatic in sequence, thanks to our TriTool system consisting of three independent mounting/demounting tools.

Equipped with XTool, a real touchless leverless tyre demount device (Giuliano exclusive patent). No matter which kind of tyre you are working with, thanks to XTool the procedure is always the same with conventional, run-flat, or "extreme" UHP low profiled tyres.

All working tools and devices are powered by motoinverter system, extremely precise, and powerful.

The arc movement of the bead breaker disks allows the disks to work purposely in misaligned position with the center hole of the rim (Center Driven Concept), thereby ensuring a better and faster penetration of the disks towards the center of the rim during the normal clockwise rotation and reducing the bead breaking time at a single turn.

XBoss tyre-changer is suitable for fitting/removing all kinds of passenger car and LCV tyres from 12" to 30" (max. wheel diam. 1200 mm./47", max. wheel width 406 mm./16") and it is recommended for top professional tyre specialists, servicing run flat and UHP tyres with no tool/rim contact.

## Functions

- Double arm/disk bead breaker system, powered by motoinverter;
- Bead breaker disks are slightly but purposely misaligned with the rim center for a better and faster penetration and immediate bead loosening, Center Driven Concept (Giuliano patent);
- Equipped with TriTool system, synchronized tool movements for both mounting and demounting (patent pending);
- Double rotation speed by pedal and motoinverter;
- Patented SMART LOCK ultra-quick wheel clamping system, through cone and shaft with Smart Lock nut;
- All movements powered by motoinverter;
- XTool touchless leverless tyre demount device (Giuliano patent);
- Wheel positioning through motorized clamping chuck and laser pointers (patent pending);
- Tyre inflation by pedal (standard);
- Operated by pedal and control console with joysticks;
- Equipped with BP1 Plus bead pressing arm (standard) complete with self-storage function (Giuliano patent);
- Equipped with Lifter (standard);
- Suitable for Tubeless tyre bead seating system (optional).

(\*) Version available upon request

## Standard Features

Rim clamping range	12" - 30"
Max. tyre diameter	1200 mm (47")
Max. tyre width	406 mm (16") <small>For reverse mounted wheels, variable according to rim features</small>
Max. wheel weight	80 Kg
Bead breaker force	6860 N (700 Kg)
Operating pressure	8-10 bar (116-145 Psi)
Power supply	220V - 1ph
Motors power	0,75 kW / 2 speed
Rotating speed	7 - 16 rpm
Pre-set tyre inflating pressure	3,5 bar (50 Psi)
Net weight	640 Kg
Dimensions (WxDxH)	1800 x 1850 x 1750 mm



**WL 4 (9240910)**  
Pneumatic wheel positioner.



Plastic protections for Smart Lock centering cone



Rubber protections for clamping chuck



Plastic protections for clamping chuck driving pin



Plastic cone Ø 70 mm for clamping special alloy rims



Reduction ring for clamping chuck. To be used to fit particular alloy rims



Rubber protector for steel rims. (marked with •)



Rubber protector for aluminium rims (marked with ••)



Rubber protector for aluminium rims with arched spokes. (marked with •••)



Adjustment knob for SMART LOCK



Plastic bead pressing clamp with extra insert for rim edge with special inclination. To be used together with rubber protections for mounting UHP and RUNFLAT tyre according to WDK rules.



Air lubricator, air filter/water trap



Cleaning brush for SMART LOCK and clamping chuck inner surface



Plastic tyre lever. To be used during tyre demounting in accordance with the WDK procedure.



Brush



**LB (9216805)**  
Lube paste bucket, 1 kg.



**TPP 3 (9240644)**  
Kit of nylon protectors for mounting/demounting tool



Work gloves



CD-ROM including literature (parts book, operators manual and training video)



**FRR QUICK** (9241446)

Wheel clamping adaptor for reverse mounted and plastic clad wheels on center post tyre changer. Standard supplied with measuring caliper and two kits of pins (6 pins 70mm length; 6 pins 100mm length).



**LTK3** (9219117)

Truck cone kit, allows clamping VANs and LCVs wheels with center hole diameter from 120 to 190 mm.



**LTK4** (9219126)

Truck cone kit, allows clamping VANs and LCVs wheels with center hole diameter from 140 to 220 mm.



**LTK5** (9234456)

Double face cone for light trucks, allows clamping VANs and LCVs wheels with center hole diameter from 75 to 145 mm.



**LTK6** (9233680)

Cone for steel rims with low thickness and center hole diameter from 75 to 120 mm



**G-CLAMP** (9217471)

G-CLAMP Set. Helps adding extra bead-pressure points on top bead while assembling it. Kit includes 2 regular and 2 extra-size G-clamps.



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G-CLAMP Set. Helps adding extra bead-pressure points on top bead while assembling it. Kit includes 2 regular and 2 extra-size G-clamps.



**TPP 3** (9240644)

Kit of nylon protectors for mounting/demounting tool



**T1** (9217472)

Kit of 4 rubber protections for steel rims.



**T2** (9217473)

Kit of 4 rubber protections for aluminium rims.



**T3** (9217474)

Kit of 4 rubber protections for aluminium rims with arched spokes.



**LB** (9216805)

Lube paste bucket, 1 kg.



**P-Bar** (9234455)

Plastic tyre lever for soft tyres removing operations. To be used during tyre demounting in accordance with the WDK procedure.



**CPP 2** (9233318)

Kit of 10 ABS protections for cone.



**FPP 1** (9234454)

Kit of 10 rubber protections for clamping chuck faceplate



**GUN 2** (9242246)

Tubeless inflation external kit.



**HD** (9208633)

Manual bead depressor.



**PAD** (9237711)

Manual bead depressor with extendable travelling pad.



**UHP5** (9240578)

Kit Run Flat UHP



**SPK 1 (Lamborghini)** (9241383)

NYLON CONE FOR SPECIAL LAMBORGHINI WHEELS, allows clamping wheels with center hole diameter from 55 to 85 mm.



**SPK 2 (Porsche) (9239459)**  
NYLON CONE FOR SPECIAL PORSCHE WHEELS,  
allows clamping wheels with center hole diameter  
from 60 to 85 mm.



**SPK 3 (BMW) (9241717)**  
NYLON CONE FOR SPECIAL BMW WHEELS, allows  
clamping wheels with center hole diameter from 55 to  
70 mm.



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