T-REC Pro



Robotic leverless tire changer, electro-hydraulic par move concept, with fully automated bead-loosening / tire-demounting cycle

T-REC robotic tire changer is GIULIANO solution to automation applied to the world of tire service. T-REC includes a software automatically managing a complete tire bead loosening and demounting cycle, without any operator intervention. The movements of all tools are electro-hydraulic, granting maximum precision.

Description

T-REC **robotic tire changer** is GIULIANO solution to **automation applied to the world of tire service**. T-REC includes a software automatically managing a complete tire bead loosening and demounting cycle, **without any operator intervention**. The movements of **all tools are electro-hydraulic**, granting maximum precision. Tools positioning is set up through **laser pointers and sensors**, at the beginning of the procedure. A hybrid (air+mechanical) wheel clamping system, combining Speed of the air-operated type with Power and Strength of the mechanical one, ensures the wheel is always clamped solid on the clamping chuck pedestal. The tire is then easily positioned for clamping through an easy and ergonomic air-operated wheel lift. All this is combined with the well-known features of the patented **PAR-MOVE operating system**, **Leverless tool** (patented) and the **Press Arm with self-storage function** (another GIULIANO patent). But there is more !!! The automatic tire bead loosening and demounting cycle CAN BE INTERRUPTED by the operator, to modify details according to his experience and knowledge, and through the "T-REC" function, **special cycle management software memorizes the new procedure, creating a new profile record and a new demounting cycle**, which **can be stored and retrieved from the Database** of the machine for further efficient operation. The real evolution of the automatic tire service cycle, as you've never seen it before !!

Functions

- **Automatic** procedure for bead loosening and tire demounting, selectable according to tire type and wheel type.
- Chance to **interrupt and modify automatic cycle, even during it**, without RESET.
- "**T-REC**" function, to memorize new modified procedures and recall them on **Touch Screen interface**.
- Exclusive GIULIANO self-learning function "iREC": the tyre changer perfects the preset work cycles according to the experience of the operator, maximizing the speed of automation with the unique expertise of the professional.
- Robust fixed vertical tower with innovative **PAR-MOVE** parallelogram operating arm (**Giuliano Patent**).
- **Leverless** tire mounting/demounting system (**Giuliano Patent**), standard
- Equipped with **BP1 PLUS** bead pressing arm (standard), complete with self-storage function (Giuliano Patent).
- Hybrid (air+mechanical) wheel clamping system ensures perfect wheel clamping, power and reliability, efficiency and speed of work for the operator.
- Center Clamp Chuck rotation by motoinverter or hydraulic.
- Laser pointer for positioning leverless tool.
- "**tire Set**" function to replicate the same procedure on the whole set of tires.
- Start / Stop pedal for automatic cycle.
- A very practical Wheel Positioner reduces effort and increases productivity (standard).
- **Interactive Touch Screen 10"** monitor for working operations selection.
- Ergonomic and user-friendly control console; **double working mode: automatic or manual**.
- Double arm/disk hydraulic operated bead loosening system.
- **5 YEAR WARRANTY** on gearbox and **PAR-MOVE** (**Giuliano Patent**).
- Fixed vertical tower and **PAR-MOVE** parallelogram operating arm (**Patented**) makes T-REC extremely robust and stiff, granting increased rigidity and eliminating all flexes. Vertical tower with built-in air tank.
- Bead loosening disks are slightly but purposely misaligned with the rim center for a better and faster penetration and immediate bead loosening, **CDC Center Driven Concept (Giuliano Patent)**.
- tire inflation by pedal (standard).
- Suitable for Tubeless tire bead seating system (optional).
- **Designed, built and engineered in Italy.**
- Already Pre-Set for **INDUSTRIA 4.0**. Archive and Data Base of all tire application operations.

T-REC Amazing piece of technique from our engineering team designed to ensure efficient operation and safety.

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Plastic protections for Smart Lock centering cone



Protect your wheels with high-quality rubber protections for clamping chuck flanges, designed to prevent damage when working with reverse rims. This 2-piece set ensures a secure and scratch-free grip during tire-changing operations, extending the lifespan...



Plastic protections for clamping chuck driving pin

Important: Accessory Usage WARNING!
The accessory MUST NOT be used in **AUTOMATIC CYCLE** mode, where the machine...



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 •••)



Plastic protections for mounting/demounting tool



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



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



Brush



LB (9216805)
Lube paste bucket, 5 kg.



Work gloves



2048067
Wheel Positioner

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FRB (9224675)
FRB is a special wheel centering kit, developed to easily and quickly clamp BMW wheels on Giuliano center post tyre changer, as required by BMW. BMW, particularly attentive to the stability of the clamping and the protection of rims and tyres, requires...

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