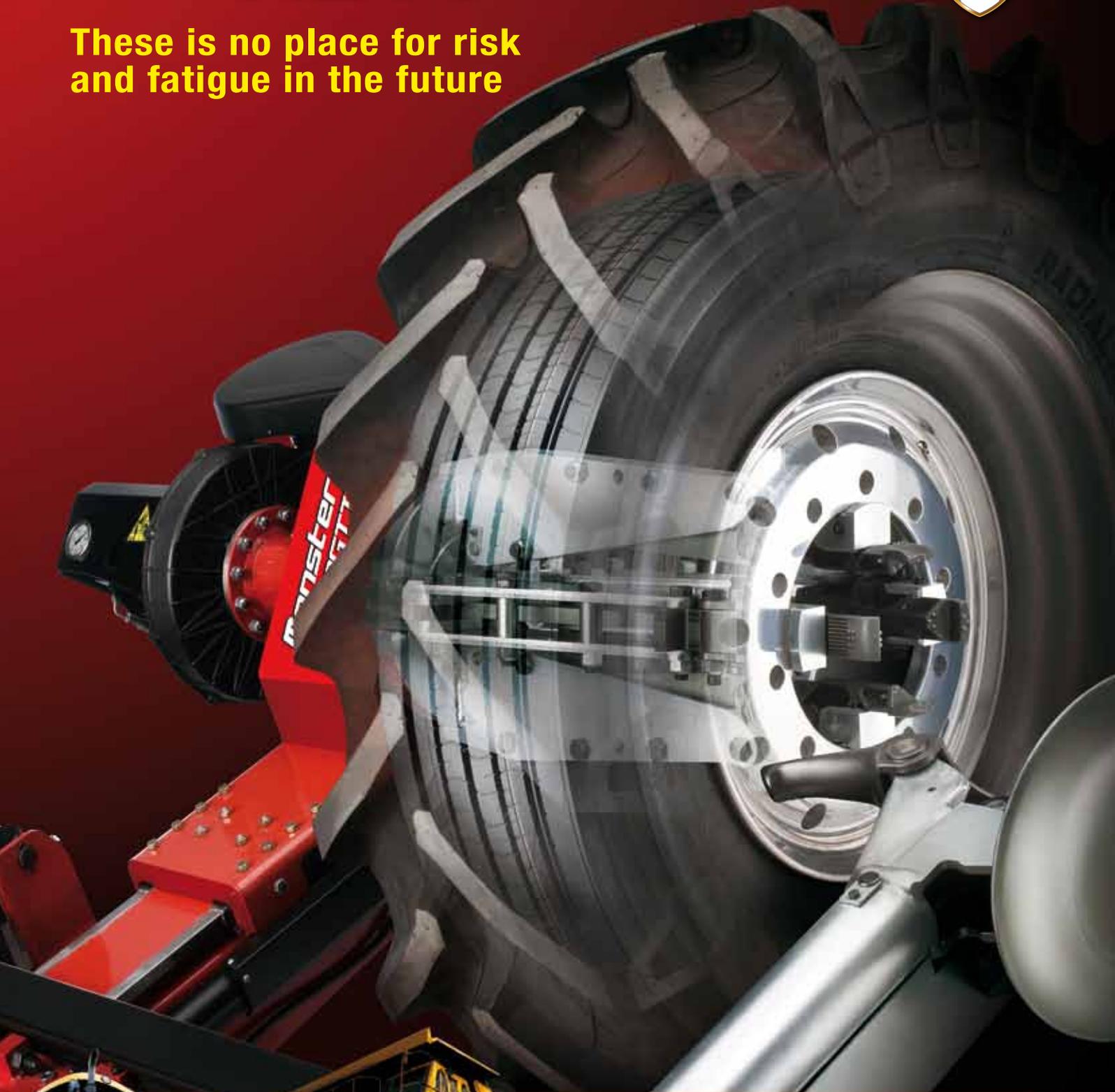


# Monster AGTT

There is no place for risk  
and fatigue in the future



TECHNOLOGY  
PARTNER  
*product*



 **CORCHI**

Segui Corghi - Follow Corghi

**Monster  
AGTT**

**The only one  
in the world  
with 'leva la leva'  
(without lever)  
technology**

## A “performance monster” for professionals operating in the industrial tyre sector

**Corghi**, a leading tyre changer manufacturer with an in-depth knowledge of the problems faced by the industry, has opened up a new frontier for professionals operating in the heavy tyres sector. In response to the pressing demands of **tyre repairers specializing in trucks, earth moving machinery, and agricultural machinery**, as well as those operating in **transport fleet service shops**, **Corghi's** researchers have developed and patented a new and revolutionary heavy duty tyre changer.



In addition to featuring the most advanced technologies, the **Monster AG TT** also embodies all the characteristics necessary to render it an essential and irreplaceable tool in terms of quality and operator safety in the industrial tyre sector.

Major advantages in 5 strengths:

- 1 Significant reduction in fatigue
- 2 Exceptional protection for rims and tyres
- 3 High performance
- 4 Maximum safety
- 5 Completely universal

As of today, with the **Monster AG TT**, the specialized tyre repair profession has changed considerably, offering greater **efficiency, speed and service quality** to operators and customers alike.



## 1 Significant reduction in fatigue

The **Monster AG TT** is a **super-automatic** and **revolutionary** tyre changer. It's the world's only tyre changer to be equipped with a "**Leva la Leva**" (without lever) in order to significantly reduce the fatigue and risks posed to professionals specializing in the demounting of all types of wheels: trucks, buses, agricultural vehicles, and earth moving machinery. Equipped with an automatic wheel clamping device **and turntable** (without the use of extensions), the **Monster AG TT** features an electronic system for memorizing the rim diameter and wheel position, as well as a "Side to Side" device, which allows the tools to be automatically transferred from one side of the tyre to the other.

## 2 Exceptional protection for rims and tyres

The entire tool holder block is **hydraulically operated**. It includes the "**Leva la Leva**" (without lever) for demounting the tyre in an entirely automated manner, as well as a special **bead breaker disc**, which ensures the **perfect tilt** throughout every stage of the operations, based on the hydraulic movement. One of the system's essential features is the arm that controls the tool holder block, which always maintains a **perfect tangency between the wheel and the tools** by coordinating its movements with the turntable. This helps to **reduce tension** and **avoid unnecessary contacts**, thus ensuring maximum protection **for the integrity of the rims and tyres**.

## 3 High performance

The **Monster AG TT** has been designed and built to ensure maximum flexibility and functionality for the operator. The **tool block's single position** on the trolley renders the work operations quicker and easier; the new play recovery slides allow for any play caused by wear to be eliminated; the **function for memorizing** the position of the tools expedites positioning during mounting and demounting operations, while the **synchronized handling** of the spindle and the tool trolley, the **electro-hydraulic power unit with a user adjustable display**, and the possibility of automatically positioning both the hook and the disc in tangency with the rim, render the **Monster AG TT** an irreplaceable and one-of-a-kind unit.

## 4 Maximum safety

In addition to reducing fatigue, the **Monster AG TT** has also been designed to ensure maximum protection and safety for the operator. The tyre changer's design excludes the need for a base, thus resulting in the elimination of any height offsets, which can certainly be hazardous when loading **large and heavy** wheels.

This design feature allows the operator to work under conditions of **complete safety**, with the wheel raised off the ground by just a **few centimetres**.

What's more, the **new manipulator with ergonomic controls** allows for all the operations to be controlled without ever coming into contact with the tool block.

## 5 Completely universal

The **Monster AG TT** unit's universal nature is ensured by the new **turntable** clamping system, which consists of **tilting claws with 9 direct clamping positions**, from **14"** to **48"**, and up to **58"** with tilting. The system is predisposed to clamp rims with a minimum hole size of **90 mm**. The turntable is equipped with a **moto inverter**, which allows for the **optimal speed** to be automatically **obtained** for each individual operation, including **tyre grooving** operations.



Electro-hydraulic power unit



"Leva la Leva" (without lever)

Turntable clamp

Bead breaker disc

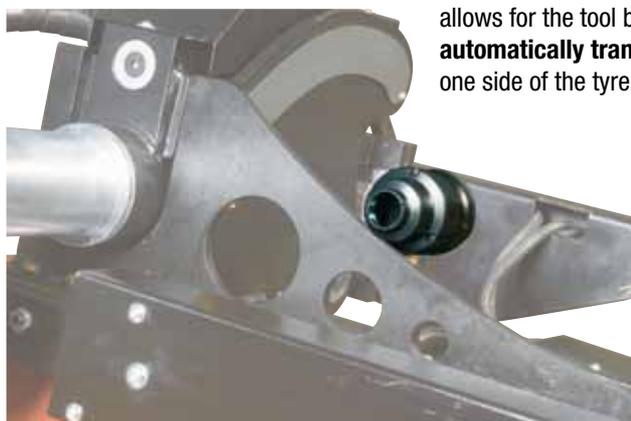
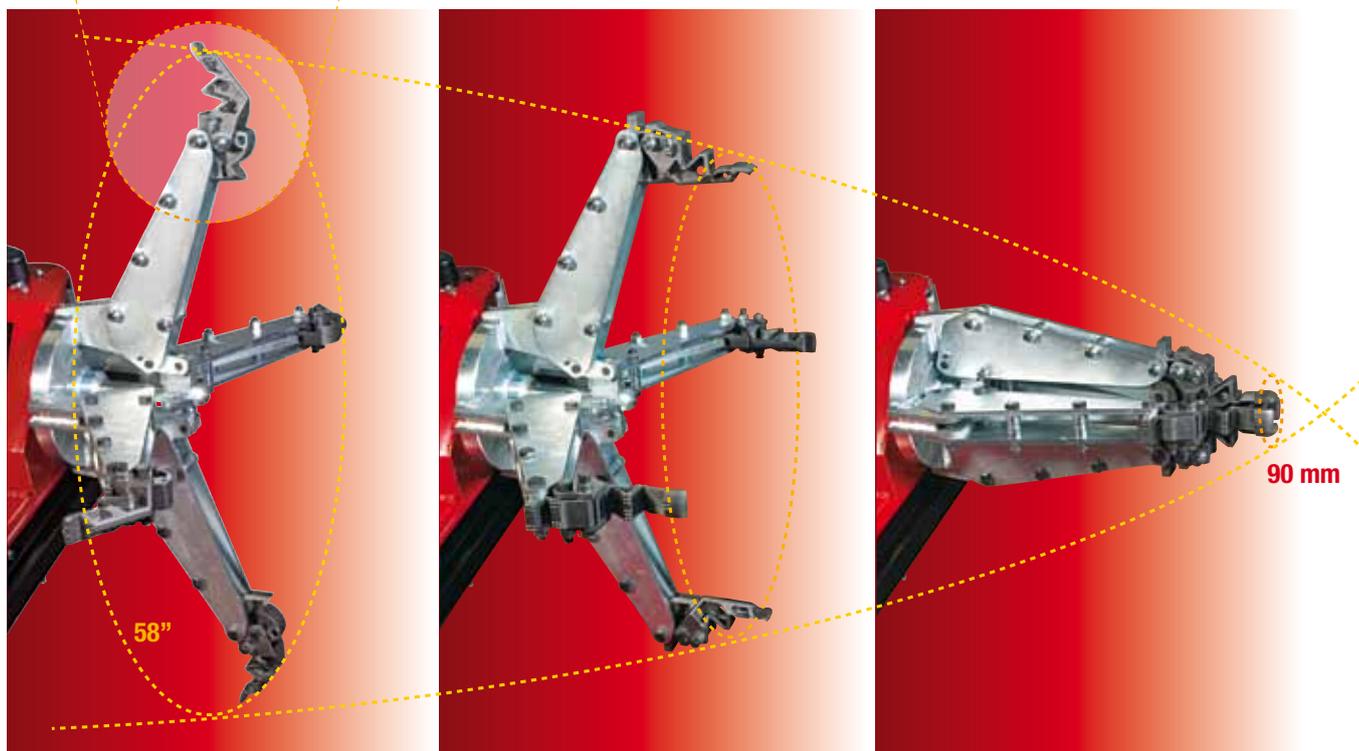
Radio-transmitting control unit

## Corghi research and experience, for an unsurpassable product



The new and exclusive **tilting claw** ensures complete **adaptability to every type of rim**.

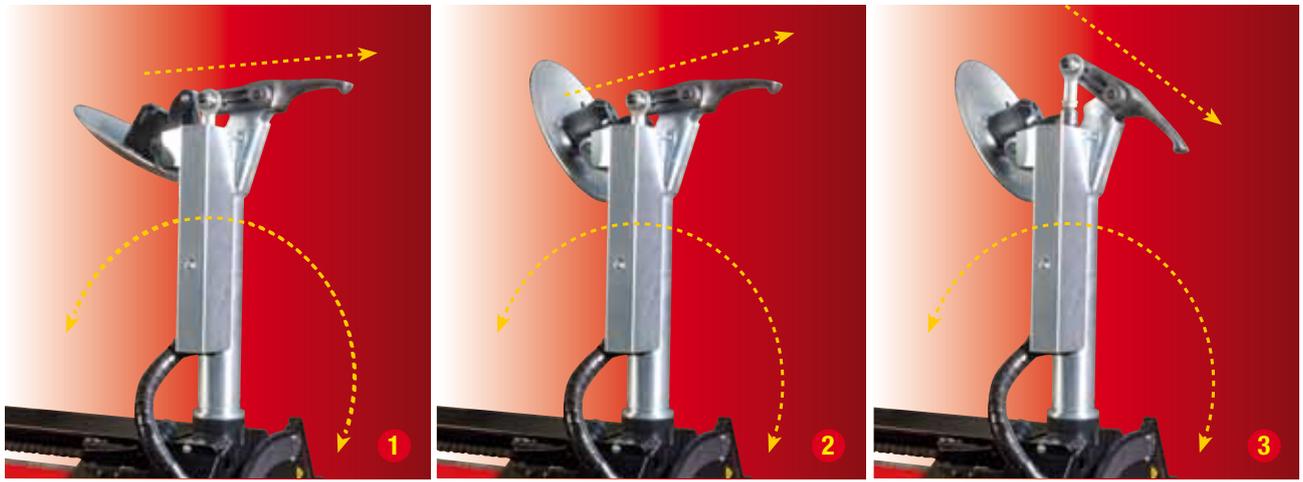
From **90 mm** to **58"**, the **Monster AG TT** can be used for the tyres of any type of motorized vehicle.



The **S.T.S. (Side To Side)** device allows for the tool block to be **automatically transferred** from one side of the tyre to the other



The **new manipulator** with **ergonomic** controls ensures the tyre changer's complete functionality, with no need for the operator to **come into contact with the tools**.



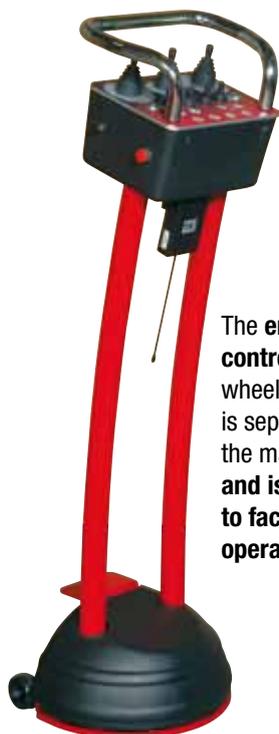
Tool's sequence of automatic movements:

- 1 bead connection 2 position for rim tangency 3 "Leva la Leva" (without lever) demounting position



Bead breaker disc sequence of automatic movements:

- 1 disc in tangency with the rim (minimum tilt) 2 disc tiltable to maximum tilt 3 tool unit rotation



The ergonomic control unit with wheels (trolley-style) is separate from the machine, and is designed to facilitate the operator's work.



The electro-hydraulic power unit with display can be positioned as desired and allows the user to **save all the data** relating to the tyre being processed.

**Monster  
AGTT**

**Starting today no more levers, no more fatigue, no more damage to rims or tyres, and no more risks for the operator.**

## Technical data

<b>Tool arm</b>	
Demounting type	"Leva la Leva" (without lever)
Type of tool-rim tangency	YES
Automatic wheel side change movement "S.T.S"	YES
Bead breaker disc	with "patented" hydraulic movement
Axial stroke	1,120 mm
Axial travel speed	100 mm/s 40 mm/s
Max. axial bead breaking force on the inside	30,000 N
Max axial bead breaking force on the outside	25,000 N
Rotation	hydraulic
Clamping	hydraulic
Tool arm lifting	hydraulic
<b>Spindle support trolley</b>	
Axial hydraulic stroke	670mm
Axial working speed	70 mm/s
<b>Spindle</b>	
Clamping system	hydraulic turntable
Rotation motor	inverter motor
Rotational speed	3-speeds 1 - 3.5 - 7.8 RPM
Max. rotation torque	5,500 Nm
Clamping element	4 "patented" tilting (claws)
Clamping capacity	from 14" to 58"
Clamping positions	9
Maximum clamping force	40,000 N
Maximum hydraulic pressure	180 bar
Maximum tyre diameter	2,500 mm
Maximum tyre width	1,600 mm
Maximum wheel weight	liftable: 2,500 kg working: 1,700 kg
Wheel central hole minimum Ø	90 mm
Minimum turntable shaft working height	450 mm
<b>Base</b>	
Wheel loading zone	floor level
Hydraulic control unit - electric system	
Stand-by function	YES
Wheel inches display setting	YES
Operation	Electric
Motor	3.3 - 4 kW
Adjustable hydraulic pressure	from 80 to 180 bar
Oil tank	15 l
Power supply	Electric 3ph 230/400 V - 5 kW
Noise level during operation	63dB(A)
<b>Control module</b>	
Command transmission	via radio
Emergency button	YES
Electrical voltage	24V
Weight	8kg
<b>Dimensions</b>	
Length	2,400 mm
Width	2,200 mm
Maximum height	1,800 mm
Maximum wheel weight	1,700 kg

