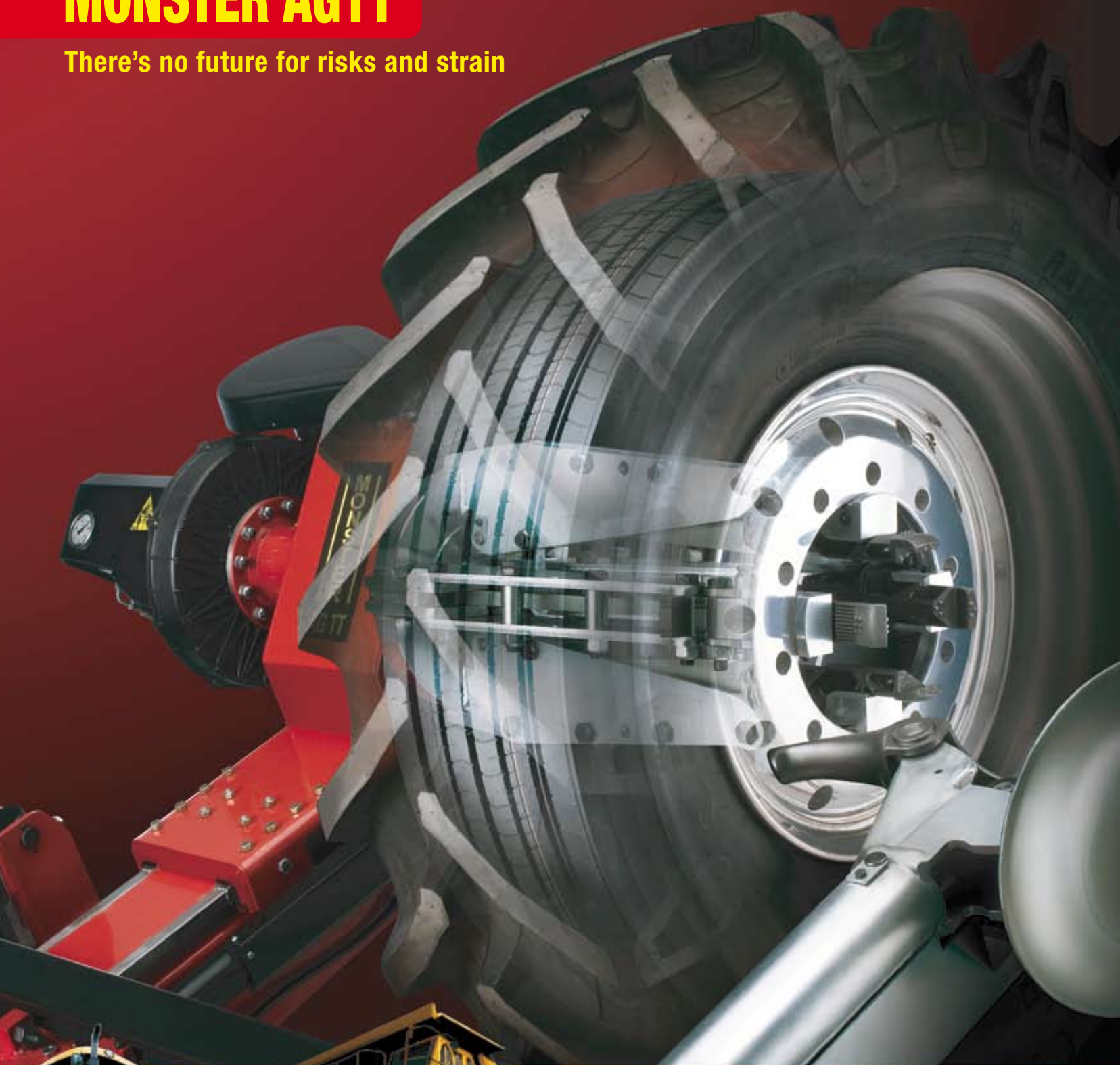


# MONSTER AGTT

There's no future for risks and strain



 **CORGI**

Segui Corgi - Follow Corgi

# MONSTER AG TT

The only one  
in the world  
with 'leva la leva'  
technology



## A “monster” of performance for industrial tire professionals

**Corghi**, a leading manufacturer of tire changers with extensive knowledge of the sector, has opened a new frontier for professionals of the heavy-duty tire industry.

Following the pressing demands of **tire specialists in the truck, earth movement and farming machine field** and of technicians of **workshops of fleets of transport vehicles**, the **Corghi** researchers have developed and patented a new and revolutionary heavy-duty tire changer.



Together with the best of cutting edge technologies, **Monster AG TT** also integrates all the features that make it a fundamental and irreplaceable tool for the working quality and safety of industrial tire operators.

**Outstanding advantages in 5 strongholds:**

- 1 • Significant reduction in strain
- 2 • High protection of rims and tires
- 3 • High performance
- 4 • Maximum safety
- 5 • Absolutely universal application

Thanks to **Monster AG TT**, the profession of tire specialists now changes substantially, guaranteeing technicians and their customers an additionally **efficient, rapid and top quality service**.



## 1 · Significant reduction in strain

**Monster AG TT** is a **super automatic and revolutionary** tire changer. It is the only one in the world to fit the “**Leva la Leva**” device. It significantly reduces strain and risks for specialized professionals in changing all types of tires on trucks, buses, farming and earth movement machines. Equipped with **automatic and self-centring** wheel clamping device (without using extensions), **Monster AG TT** offers an electronic system to save **the diameters of the rims** and the **position of the wheel** and the “**Side To Side**” device that enables the tools to move automatically from one side of the tire to the other.

## 2 · Very high protection of rims and tires

The whole tool block is **operated hydraulically**. It comprises the “**Leva la Leva**” device, which performs tire changing in a completely automated manner and a special **bead loosening disc** which, based on the hydraulic movement, reaches the **perfect inclination** in each phase of the process. A fundamental feature of the system is that the arm that operates the tool block makes a coordinated movement with the turntable and always keeps the **wheel and the tools perfectly tangent** in all situations. This **reduces tension** and **avoids contact**, consequently totally safeguarding the **integrity of the rims and tires**.

## 3 · High performance

**Monster AG TT** is designed and manufactured to guarantee maximum versatility and efficiency for the operator. The **single position of the tool block** on the carriage makes tire changing jobs easier and quicker. The **new play recovery pads** eliminate play due to wear; the **memory function** used to save the position of the tools speeds-up positioning during tire changing. The **synchronised movement** between tool chuck and carriage, the **electro-hydraulic control unit with display**, which can be adjusted at pleasure by the user, and the possibility to automatically position the finger and the disc tangent with the rim, make **Monster AG TT** unmatched and one of a kind.

## 4 · Maximum safety

Not only is **Monster AG TT** designed to reduce strain, but also to guarantee maximum operator integrity and safety. The design of the tire changer is devised to eliminate the need for a base, which consequently eliminates any unbalanced situations, which are certainly dangerous when loading **large and heavy wheels**. This solution allows the operator to work in **complete safety** with the wheel raised off the ground by just a **few centimetres**. What's more, the **new controller with very handy controls** allows the operator to command all movements without touching the tool block.

## 5 · Absolutely universal application

The universality of **Monster AG TT** is guaranteed by the new **self-centring** locking turntable made up of **tilting jaws with 9 direct lockable positions**, from **14” to 48”** and with tilt up to **58”**. The system is pre-arranged to lock rims with minimum centre hole diameter of **90 mm**. The turntable is equipped with a **drive inverter** that automatically enables the **output** of the **optimal speed** for each job, including **tire groove forming**.



"Leva la Leva" device

Locking turntable

Bead loosening disc

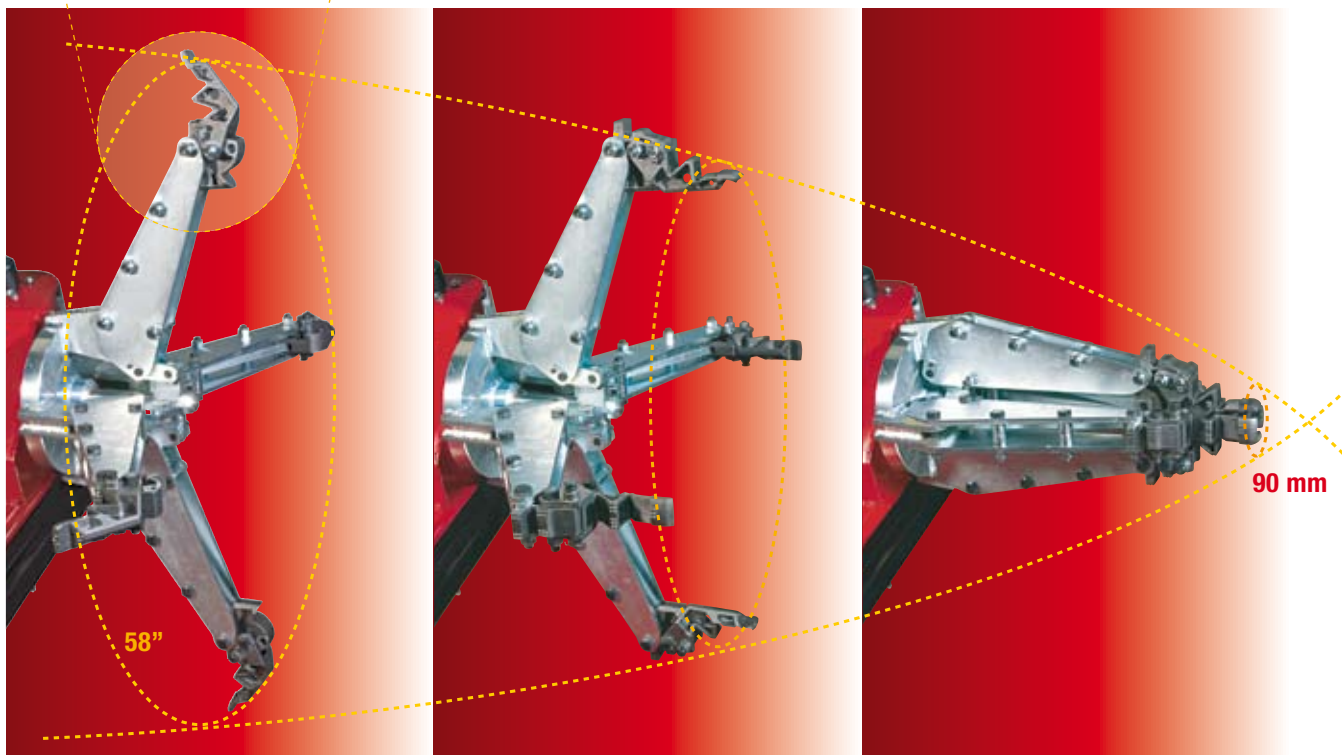


Radio transmitter  
control unit

## Corghi's research and experience for an unmatched product



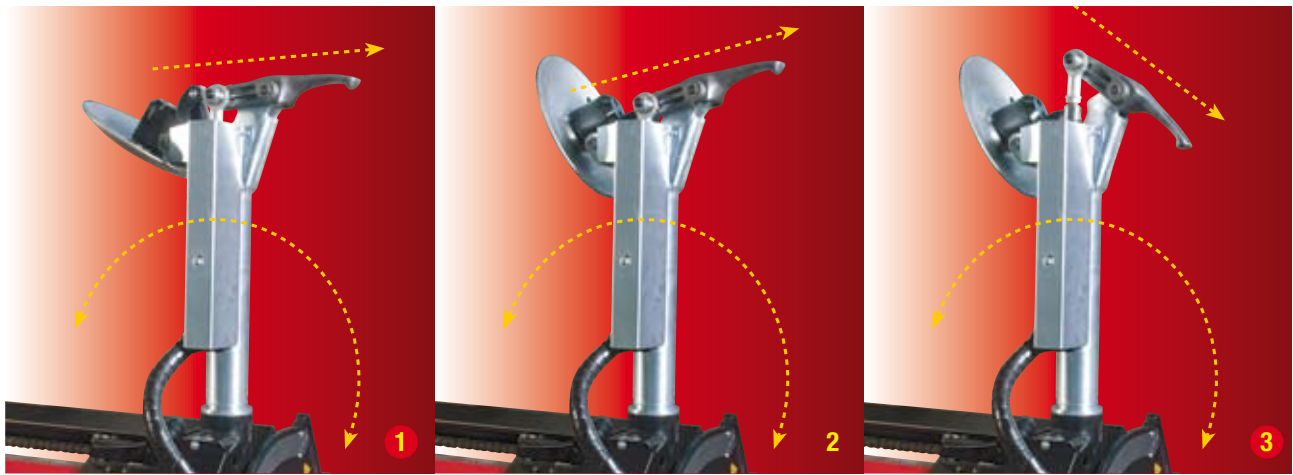
The new and exclusive **tilting jaw adapts perfectly to all types of rims.**  
From **90 mm to 58"**, **Monster AG TT** can be used for the tires of any vehicle.



The **S. T. S.** device (Side To Side) enables the **automatic switching** of the tool block from one side of the tire to the other.



The **new controller with very handy controls** enables efficient operation of the tire changer without the operator **touching the tools.**



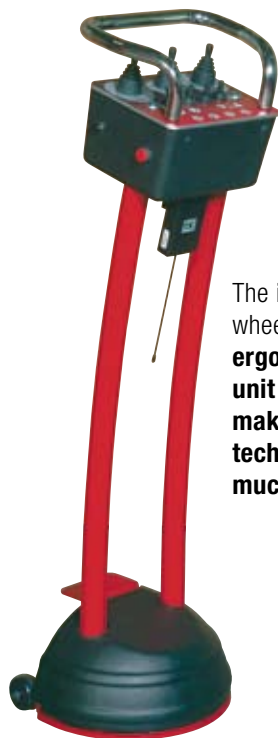
Sequence of automatic movements of the tool:

- 1** bead clamping position
- 2** rim tangency position
- 3** "Leva la Leva" changing position



Sequence of automatic movements of the bead loosener disc:

- 1** disc tangent with rim (minimum inclination)
- 2** disc inclinable to maximum inclination
- 3** tool block rotation



The independent wheel-mounted **ergonomic control unit** (trolley style) makes the technician's job much easier.



The **electro-hydraulic control unit** with display can be positioned at pleasure by the user and used to related to the tire being changed.

## MONSTER AG TT

**From now on,  
no more levers,  
no more strain,  
no more damages  
to rims and tires  
and no more risks for the operator.**

## Technical data

<b>Tool arm</b>	
Changing type	Leva la Leva
Tool-rim tangency type	YES
Automatic "S.T.S" wheel turnover movement	YES
Bead loosening disc	with "patented" hydraulic movement
Axial travel	44,1" (1120 mm)
Displacement axial speed	3,9"/s (100 mm/s)
Operating axial speed	1,6"/s (40 mm/s)
Maximum internal axial bead loosening force	6750 lb <sub>f</sub> (30000 N)
Maximum external axial bead loosening force	5625 lb <sub>f</sub> (25.000 N)
Rotation	Hydraulic
Locking	Hydraulic
Tool arm lift	Hydraulic
<b>Chuck holding carriage</b>	
Hydraulic axial travel	26,4" (670 mm)
Operating axial speed	2,8"/s (70 mm/s)
<b>Chuck</b>	
Locking system	Hydraulic turntable
Rotation motor	Drive inverter
Rotation speed	3 speed 1 – 3,5 – 7,8 RPM
Maximum rotation torque	4059 ft/lbs (5500 Nm)
Locking unit	4 tilted jaws (patented)
Locking capacity	from 14" to 58"
Locking positions	9
Maximum locking force	9000 lb <sub>f</sub> (40000 N)
Maximum hydraulic pressure	2610 PSI (180 bar)
Maximum tire diameter	98,4" (2500 mm)
Maximum tire width	63" (1600 mm)
Maximum wheel weight	3747,8 lbs (1700 kg)
Minimum wheel centre hole Ø	3,5" (90 mm)
Minimum working height to chuck shaft	17,7" (450 mm)
<b>Base</b>	
Wheel loading area	floor level
<b>Hydraulic control unit – electrical equipment</b>	
Stand-by function	YES
Display for setting wheel size in inches	YES
Operation	Electrical
Motor	3,3 - 4 kW
Adjustable hydraulic pressure	from 1160 to 2610 PSI
Oil tank	4 gallons (15 l)
Power supply	Electrical 3ph 230/400 V - 5 kW
Operating noise level	63 dB (A)
<b>Controller</b>	
Transmission of commands	via radio
Emergency button	YES
Voltage	24 V
Weight	17,6 lbs (8 kg)
<b>Dimensions</b>	
Length	94,5" (2400 mm)
Width	86,6" (2200 mm)
Maximum height	70,9" (1800 mm)
Weight	2866 lbs (1300 kg)

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