UNIFORMITY
high-test tyre

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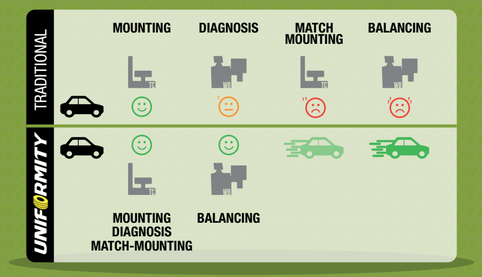
THE SAME MATCH-MOUNTING, HALF THE STEPS

All the basic steps to replace and check the tyre and the entire wheel **are performed with just ONE equipment.** The wheel balancing machine is only used for the final balancing phase.



A GUIDES
for the operator that is guided step-by-step through the tasks to be carried out

TROUBLESHOOTING
It solves any irregularity by optimising the coupling position of the rim and tyre ***(match-mounting)***, the only real solution to this problem, **avoiding the pointless use** of the tyre changer and wheel balancer

ANALYSES
During the usual mounting and demounting of the tyres, it analyses the geometry of the rim and the uniformity of the tyre (*radial and side rigidity, and any geometric deformation)* that may cause, above all, **vibrations while driving**

EASY
all the **operations**, even the most demanding ones, are **automated** to make them easier to carry out

ACCURATE
with Uniformity, the **diagnosis** and match-mounting operations are **intuitive and precise**

FAST
there are no intermediate steps, so the overall **job is quicker** and risk-free for the operator and the rims

ADVANTAGEOUS
the overall effect of these features produces a **competitive advantage** in terms of cost, time and practicality

100% OF TYRE SPECIALISTS WHO HAVE TRIED OUT THE MATCH-MOUNTING CONFIRM HOW EFFECTIVE AND USER-FRIENDLY IT IS*

*Test carried out on a sample group of car repair shops. These data have no statistical value.

WHAT'S UNIFORMITY

The world's first tyre changer with diagnostic functions.
Thanks to a **presser roller with variable thrust** and **high-precision laser sensors**, it not only performs the normal tyre mounting and demounting operations but also a complete **diagnosis** of the single wheel and/or the entire wheel setting of the vehicle, analysing the geometry with and without a load and **simulating the on-road** behaviour to boost the driver's **comfort and safety**. It solves vibration problems, telling the tyre specialist the best way to mount the tyre on the rim ***(match-mounting)***, thereby **reducing** current work times by at least **25%** and eliminating **50%** of the steps previously required. Each operation is indicated in a very simple way, thanks to the video interface with its modern, user-friendly graphics.

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THE WORLD'S FIRST DIAGNOSTIC TYRE CHANGER. ANALYSIS OF WHEEL ANOMALIES AND STEP-BY-STEP MATCH-MOUNTING.

CORGHI

CORGHI

UNIFORMITY
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The world's first diagnostic tyre changer

Designed by the **Corghi** specialists, **Uniformity** is the first technology that allows match-mounting to be carried out directly on the tyre changer, transforming it into a real wheel diagnosis centre. Essential for the professional who wants to provide clients with a first-class service.

Success guaranteed

THE FIRST · EASY · FAST · PROFITABLE

_UNIFORMITY

PATENT PENDING

Technical features:

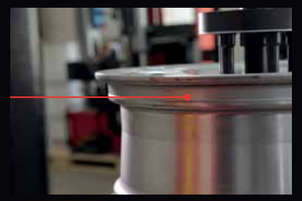
_Diagnostic tyre changer with ***LEVA LA LEVA*** (without lever) mounting/demounting technology
_Multicore industrial PC with solid-state HD
_Pressure roller with deformation set to variable load
_3 load cells for structural analysis of tyres
_High resolution triangulation laser on motor drive
_High resolution linear actuator
_22" Monitor
_Special axial mounting turntable
_Pressure switch
_2 high precision rotary Encoders
_Multifunctional console with integrated NaviSystem
_Modern and intuitive graphic interface
_High precision centring and locking kit for all types of wheels

1_WHEEL LOCKING

A special, **high-precision** centring and locking kit **for every type of wheel.**

2_LASER

High resolution contact free triangulation laser for the measurement of the geometric deformations of the rim and the tyre.



iPos: *a special program for positioning the four wheels in the best possible way to guarantee the driver's comfort and safety.*

The laser performs an analysis to provide precise, immediate information about the match-mounting (i.e. the coupling between the tyre and the rim) directly on the screen.

3_CONSOLE

Multifunctional control console, equipped with ***NAVISYSTEM*** for the ultra high-speed and intuitive navigation in the wheel diagnosis menus.

4_PRESSER ROLLER

A variable load presser roller for measuring variations in radial and side force. **A real on-road simulator.**

5_HEAD UNIT

The demounting procedure uses the same working movements, but requires no physical effort for the operator thanks to the ***LEVA LA LEVA*** technology incorporated in the turret (Patent Pending) - The mounting procedure doesn't change: it's just as quick and easy as before.

Top bead demounting procedure

6_DYNAMIC BEAD BREAKING DEVICE

Dynamic bead breaking device with double specular bead breaker disc. The radial positioning of the discs is made easier by an automatism that avoids the need for any manual positioning by the operator.
CONTROLLED PENETRATION (Patent Pending) Precision, speed and repeatability are guaranteed by the patented bead breaking system and by the perfectly synchronised and symmetrical motion of the two discs.

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_TECHNICAL DATA

wheel dimension range	
rim diameter	from 12" to 32"
maximum tyre diameter	1200 mm (47")
maximum tyre width	15" (from the wheel support base)
treatable tyres	conventional, low profile and Run Flat
turntable	
locking	mechanical-manual
rotation torque	1100 Nm
rotation speed	7-18 rpm
bead breaker	
maximum bead breaking range	670 mm
bead breaker stroke	540 mm
bead breaker force	7600 N
wheel loading/ unloading	
activation	pneumatic
maximum wheel weight	85 Kg
power supply	
electric 1Ph	230V-0.98 kW 50Hz/60 Hz
electric 1Ph (alternative)	110V-0.98 kW 50Hz/60 Hz
pneumatic operating pressure	8 bar (minimum)
weight	380 kg (with lifter)
dimensions	
depth	2000 mm
width	1700 mm
height	1800 mm

CORGHI

Passion To Innovate

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