




**UNIFORMITY**  
high-test tyre



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**The world's first diagnostic tyre changer**   
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.







## 1 PRESSER ROLLER

Presser roller with variable load, for measuring radial and lateral force variation. **A real road simulator.**



## 2 LASER TRIANGULATOR

High-resolution, contact-free **laser triangulator** for measuring the geometric deformation of the rim and tyre.

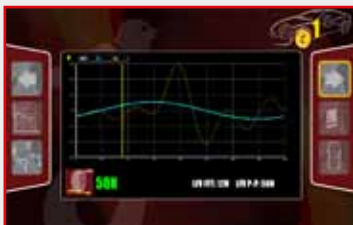


**iPos:** a special program for the optimum positioning of the four wheels on the vehicle.

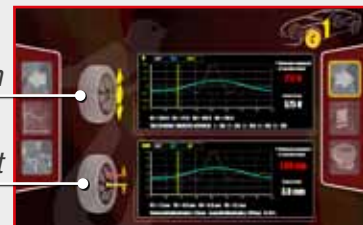
A check on the tread wear, the side slip angle and the rolling radius ensures comfortable, safe driving.

## WHEEL DIAGNOSIS

The analysis performed with the **PRESSER ROLLER** and **LASER TRIANGULATOR** gives **precise, immediate feedback** directly on the monitor.



LFV Lateral Force Variation



RFV Radial Force Variation

Wheel run-out



Match-Mounting procedure (rim-tyre)



Tread wear

### 3 NAVISYSTEM & MONITOR

Multi-function command console fitted with **NAVISYSTEM** for high-speed, intuitive navigation in the various wheel diagnosis menus.



### 4 LEVA LA LEVA TECHNOLOGY

The demounting procedure uses the same working movements but, thanks to the patented **LEVA LA LEVA** technology incorporated in the head, no physical effort is required from the operator. The mounting procedure doesn't change - it's just as quick and practical as before.



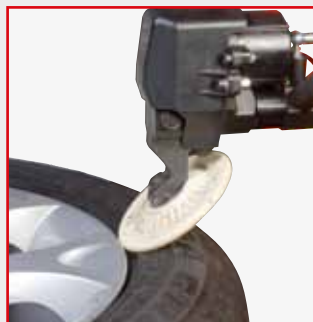
Watch the video



*Top bead demounting procedure*

### 5 DYNAMIC BEAD-BREAKING DEVICE

Dynamic bead-breaking device with dual opposed bead-breaker discs. The radial positioning of the discs is made easier by an automatism that avoids the need for any manual positioning by the operator. Patented **CONTROLLED PENETRATION** Precision, speed and repeatability are guaranteed by the patented bead-breaking system and the perfect specularity of the two discs.



Watch the video

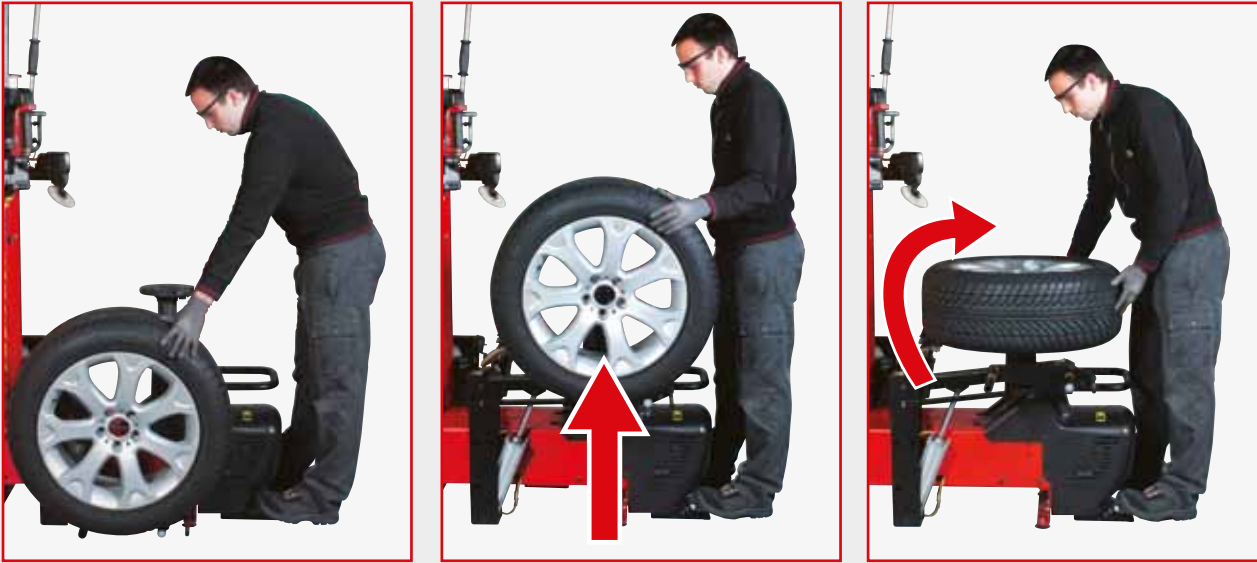
**Quick second bead demounting procedure, thanks to the disc movement.**

*Quick procedure using a bead-breaker disc (particularly useful with stiff sides) to demount the lower bead.*



## 6 LIFTER

Supplied as standard, for effortlessly positioning wheels of any type on the turntable.



## 7 INVERTER MOTOR

DRIVE WITH AN INVERTER MOTOR SYSTEM

The right rotation torque at the right speed (7-18 RPM).



Wheel lifter  
command  
pedal



## 8 WHEEL CLAMPING

Special high-precision centring and clamping kit for every type of wheel (patent pending).



## TECHNICAL DATA

<b>wheel size range</b>	
rim diameter	from 12" to 32" <b>Uniformity:</b> from 14" to 32"
max. tyre diameter	1200 mm (47")
maximum tyre width	15" (from the wheel supporting base)
tyre types processed	conventional, low profile and Run Flat
<b>turntable</b>	
clamping	mechanical-manual
rotation torque	1100 Nm
rotation speed	7-18 rpm
<b>bead-breaker</b>	
maximum bead-breaking range	670 mm
bead-breaker stroke	540 mm
bead-breaker force	7600 N
<b>wheel loading/unloading</b>	
operation	pneumatic
max. wheel weight	85 kg
<b>power supply</b>	
electric 1Ph	230V - 0.98 kW 50 Hz / 60 Hz
electric 1Ph (alternative)	110V - 0.98 kW 50 Hz / 60 Hz
pneumatic operating pressure	8 bar (minimum)
<b>weight</b>	541 kg (with the wheel lifter)
<b>dimensions</b>	
depth	1765 mm
width	1569 mm
height	2057 mm

## TECHNICAL FEATURES

- Diagnostic tyre changer with **LEVA LA LEVA** mounting/demounting technology
- Multicore industrial PC with solid-state HD
- Variable load presser roller with set deformation
- 3 load cells for structural tyre analysis
- High resolution laser triangulator on motorised guide
- High resolution actuator
- 22" monitor
- Special axial mounting turntable
- Pressure switch
- 2 high precision rotary encoder
- Multi-function console with integrated NaviSystem
- Modern, user-friendly graphic interface
- High precision centring and clamping kit for every type of wheel



Watch the short video clip

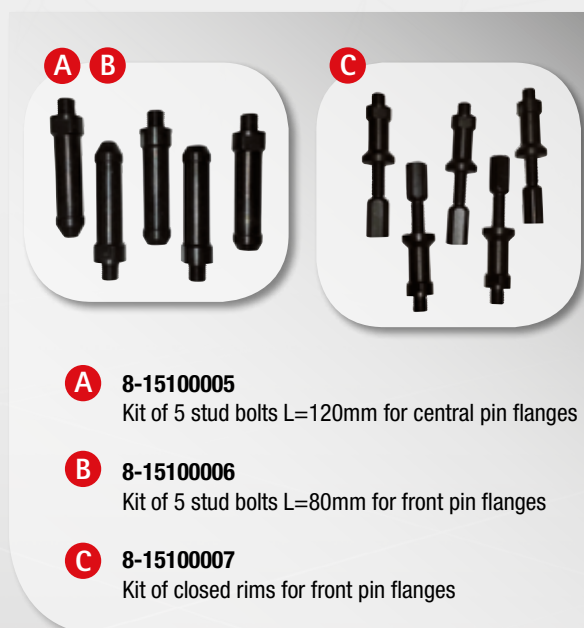


Watch the full demo

## ACCESSORIES INCLUDED



## RECOMMENDED ACCESSORIES



For more information, consult the complete accessories catalogue.



NEXION SPA - ITALY - Società unipersonale soggetta a direzione e coordinamento di Minio srl - A sole shareholder Minio company

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