SICE
AUTOMOTIVE EQUIPMENT

S 1000 EVOLUZIONE II

FULLY AUTOMATIC TYRE CHANGER
LEVERLESS-CONTACTLESS

SAFETY SENSOR

AUTOMATIC DEMOUNTING CYCLE for version:

- VISUAL A
- TOP A



S 1000 Evoluzione II Top A Version

- 3 NEW VERSIONS - 2 EQUIPPED WITH AUTOMATIC DEMOUNTING PROGRAM
- PRESELECTION OF RIM DIAMETER & AUTOMATIC DEMOUNTING CYCLE
- HYDRAULIC DRIVE SYSTEM
- RIMS UP TO 32”

wdk

weNext READY

S 1000
EVOLUZIONE II

The S 1000 Evoluzione II tyre changer is the absolute top of the range, as it allows you to work in complete safety on all types of wheels without ever coming into contact with the rim. Furthermore, the coordinated movement of the working tools and the wheel significantly reduces stress on the tyre.

The increasing popularity of alloy, chrome and repainted wheels means that the rim must never be touched, not even with plastic guards. The new S 1000 EVOLUZIONE II has been updated and equipped with advanced technological solutions. Among the new features, the automatic wheel width recognition system stands out, optimising the precision of operations during the automatic cycle. Furthermore, the new control console has been redesigned to improve ergonomics and practicality, incorporating a 19-inch touchscreen monitor for intuitive and immediate control management.

GENERAL FEATURES

1 **REVOLVER** automatic tool
2 **New discs** with sensors
3 **Electromechanical** turntable
4 **Frontal wheel lift**
5 New generation **motoinverter**
6 Ergonomic **pedal control**
7 **Autonomous** reclinable tool for mounting the first bead
8 Lower **bead breaker disc**
9 **Hydraulics** control unit
10 **Mobile** control console
11 **"Inflatron" electric inflator** (Top A version)
12 **Interactive** touch screen



The **S 1000 Evoluzione II** tyre changer is able to work easily with any type of tyre, from RFT to balloon and soft tyres, that range in size from **13" to 32".**

The features and technical performance of this tyre changer have been studied expressly to make the operator's work easier and are the result of continuous research that the **SICE** brand conducts in order to remain constantly up-to-date.
Its main feature is its extreme ease of use and the combination of hydraulic and pneumatic systems, which ensures precise, reliable and efficient movements. In the automatic versions, a system is included to ensure the valve sensor remains fully intact.

MAIN TECHNICAL FEATURES

1) REVOLVER TOOL

"REVOLVER" multi-function instrument (patented) with 4 innovative tools:

- automated rotation
- 3 working positions
- spring driven tyre hook **(patented)**









2) NEW DISCS WITH SENSOR

The **new discs with sensors**, a major innovation in this development, allow automatic recognition of wheel width when using the automatic bead-breaking cycle



3) ELECTROMECHANICAL TURNTABLE

Axial mounting TURNTABLE electromechanical intelligence with **HYDRAULIC (patented)** axial movement.
This is the first tyre changer in which the wheel axis moves simultaneously with the tool, simplifying all operations while ensuring outstanding precision and efficiency

4) P.L. LIFTER

PREMIUM full-range front-mounted wheel lift, now fitted as standard on all models (load capacity 85 kg). It allows the operator to easily move the wheel onto the tyre changer without having to change their working position









6) PEDAL CONTROL

Ergonomic pedal control with 4 pedals.
From the right:

- turntable rotation
- wheel clamping
- wheel unclamping
- inflation



7) LOWER TOOL

Lower reclinable tool: always positioned radially in the ideal position to facilitate the fitting of the first bead.

8) BEAD BREAKER DISC

Lower bead breaker disc autonomous so it can also be used for demounting the 2nd lower bead.





10) NEW CABINET CONTROL PANEL

NEW mobile cabinet control panel can be placed in the most ergonomic position.
The commands are simple, intuitive and very easy to use.



11) ELECTRONIC INFLATOR (INFLATRON)

Integrated automatic inflating and deflating system, Touch screen user interface, overpressure inflation for ballooning (standard in the Top A version).



12) NEW 19" TOUCH MONITOR

Thanks to the **new 19' touch-screen monitor,** it is now even easier to set the wheel size in inches (13" ÷ 32") and consequent automatic positioning of the wheel with respect to the **"revolver"** tool unit (micro-adjustment always available).

- Two automatic dismantling programmes available: **Normal and Soft**
- **Camera:** always-on, retrievable on the screen.

OPERATING PROCEDURE

A Inserting the handle with the locking cone
B Locking the wheel by releasing the pedal
C Deflating the tyre
D Entering the rim size in touchscreen mode by selecting the diameter on the new 19" monitorr.

A



B



C



S 1000
EVOLUZIONE II



AUTOMATIC DEMOUNTING

In models featuring the **AUTOMATIC DEMOUNTING CYCLE**, the the software controls a movement that ensures the operator simply supervises the process without any effort. The procedures for detecting wheel width, bead separation and removal are automated and managed by an efficient programme tailored to each type of wheel.
Maximum simplicity, maximum safety.
During the AUTOMATIC CYCLE, COMPLETE PROTECTION of the SENSOR

SAFETY SENSOR

VERSIONS PL = Premium frontal wheel lift	PREMIUM LIFT	BEAD PRESSING DEVICE	CAMERA	INFLATRON	AUTOMATIC CYCLE
VISUAL 200/230V-1Ph-50/60Hz	●	●	●		
VISUAL A 200/230V-1Ph-50/60Hz	●	●	●		●
TOP A 200/230V-1Ph-50/60Hz	●	●	●	●	●

STANDARD DEMOUNTING

A - The Revolver's bead breaker disc presses on the tyre with hydraulics and the simultaneous movement of the wheel facilitates the upper bead breaking.

B - The autonomous lower bead breaker disc presses from underneath with hydraulics and the simultaneous movement of the wheel facilitates the lower bead breaking.

A



B



C - The Revolver's dismounting tool enters between the tyre and the rim, aided by the movement of the movable parts of the hook.

D - With the tyre loaded, the Revolver rises and with the help of the autonomous lower bead breaker disc, the first upper bead is dismounted.

C



D



STANDARD DEMOUNTING

E - With a movement that is synchronized with the wheel, the bead breaker disc continues rising and finishes dismounting the tyre.



MOUNTING THE LOWER AND UPPER BEADS

A - The upper BEAD BREAKER DISC and built-in plastic roller push the tyre into the rim.

B-C - If required, the lower arm tool will help you perform this operation on particularly soft tyres.









MOUNTING OPERATION
Complete MOUNTING operation facilitated by tool and built-in presser always in the same position.

D-E-F - By positioning the **REVOLVER** mounting tool head between the rim and the tyre, the REVOLVER PLASTIC ROLLER will automatically help the tyre to stay in the channel.

The rotation of the centre post turntable and the help of the standard rotating bead pressing tool will make the **final mounting very easy.**



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STANDARD ACCESSORIES



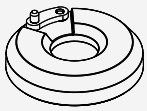
TECHNICAL DATA

Wheel size range	
Rim diameter	da 13" a 32"
Max tyre diameter	1200 mm (47")
Maximum tyre width	400 mm (16")
Upper and lower bead breaking force	900 kg
Electromechanical centre post turntable	
Automatic clamping	with handle
Rotation torque	1200 Nm
Rotation speed	7-18 rpm
Motor rating	2 speed inverter motor
Wheel lifter capacity	85kg
Power supply	
Electric 1Ph	230V-0,75 kW 50Hz/60 Hz
Electric 1Ph (alternative)	115V-0,75 kW 50Hz/60 Hz
Working pneumatics	8 bar
Hydraulic control unit motor	0.8 KW
Operating hydraulic pressure	120 bar
Weight	590 kg
A weighted sound pressure level (LpA) at the workplace	< 70 dB(A)

RACCOMENDED ACCESSORIES



8-15100041
ALL IN ONE universal flange 100mm + spacers 20mm



8-15100003
Special adapter kit for high rims (H=28mm).
E.g. Porsche rear wheel



8-11100037
Van and pick-up rim rise kit



8-15100040
Spacer ring kit H=22mm
matches P/N 8-11100037 / 8-11100086 / 8-15100003

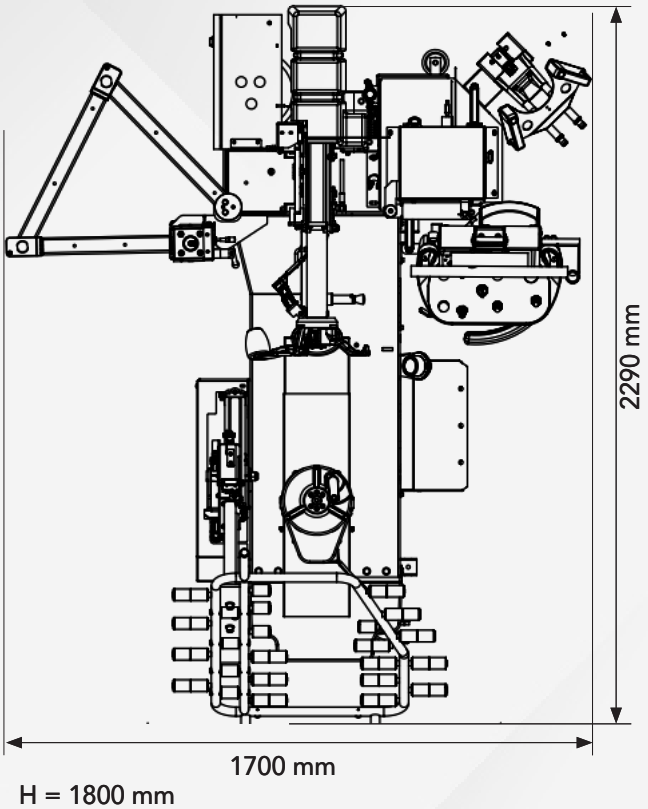


8-11100404
T.I. inflating system kit

8-15100038
T.I. ASME kit (for USA and Canada only)

For more information please refer to the complete accessory catalogue

DIMENSIONS



The manufacturer reserves the right to modify the features of its products at any time.

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