

S 1000 EVOLUZIONE II



Highly-automatic “Leverless-Contactless” tyre changer with hydraulic drive for rims up to 32”

3 NEW VERSIONS 2 of which are equipped with AUTOMATIC DEMOUNTING program.

Preselection of rim diameter and automatic demounting cycle.



S 1000 Evoluzione II TOP A Version

AUTOMATIC demounting cycle

for version: VISUAL A
TOP A



S 1000 EVOLUZIONE II



The **S 1000 Evoluzione II** tyre changer is at the top of its class for being able to safely operate on all types of wheels, without ever coming into contact with the rim. Plus, the synchronized movement of the work tools and the wheel reduces tension on the tyre considerably.

The ever-increasing use of alloy, chrome-plated, and painted rims requires that the rims never be touched, not even with plastic protectors.

The new **S 1000 EVOLUTION II** has been revamped and equipped with **advanced technological solutions**. Prominent among the new features is the **automatic wheel-width recognition system**, which optimizes the accuracy of operations in the automatic cycle.

In addition, the **new control console has been redesigned** to improve ergonomics and convenience, integrating a 19" touch-screen monitor for intuitive and immediate control management.



- 1 -REVOLVER automatic tool
- 2 -New discs with sensors
- 3 -Electromechanical turntable
- 4 -Frontal lifter
- 5 -New generation inverter motor
- 6 -Ergonomic pedal control
- 7 -Autonomous reclining 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.

The main features are that it is exceptionally easy to use and that the hydraulic system is matched to the tyre to guarantee precise, reliable and efficient movement. The versions with automatism feature a system that ensures the best valve sensor integrity.

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 SENSORS

- 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 machine where the wheel axis moves at the same time as the tool to make the operations easier and guarantee precision and effectiveness.



4_P.L. LIFTER

- **PREMIUM front lifter** with complete movement , now standard on all versions (85 kg capacity).
- Allows the operator to move the wheel on the tyre changer without effort and without changing his working position.



6_PEDAL CONTROL

Ergonomic pedal control with 4 pedals.

From the right:

- turntable rotation
- wheel clamping
- wheel unclamping
- inflation



7_LOWER LEVER

Lower reclinable lever:

always placed in the best radial position to facilitate mounting 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_ELECTRONI 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 ($13" \div 32"$) 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**
- **video camera**: always-on, retrievable on the screen.



WORKING PROCEDURE



- **A** Insert the handle with the clamping cone
- **B** Clamp wheel releasing the pedal
- **C** Deflate tyre
- **D** **Rim size input** in **Touchscreen** mode by diameter selection on the **new 19" monitor**



AUTOMATIC DEMOUNTING

In the versions with **AUTOMATIC DEMOUNTING CYCLE** the operator must only supervise the work without any effort. The procedures for wheel width detection, bead-breaking and demounting are automated and managed by an efficient programme for each type of wheel. **Maximum ease, maximum safety.**



During the AUTOMATIC DEMOUNTING CYCLE, the software provides a movement that guarantees the **COMPLETE PROTECTION OF THE SENSOR**

VERSIONS	Premium Lifter	Bead pressing device	Video camera	Inflatron	Automatic cycle
PL= Premium frontal lifter					
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.



- **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.



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.

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**.

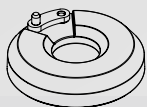


RECOMMENDED ACCESSORIES



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

STANDARD ACCESSORIES



8-11100404

T.I. inflating system kit

8-11100038

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

For more information please refer to the complete accessory catalogue

TECHNICAL DATA

Wheel size range

Rim diameter	from 13" to 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	7-20 rpm
Motor rating	2-speed inverter motor
Rotation speed	7-18 rpm

Wheel lifter capacity

85kg

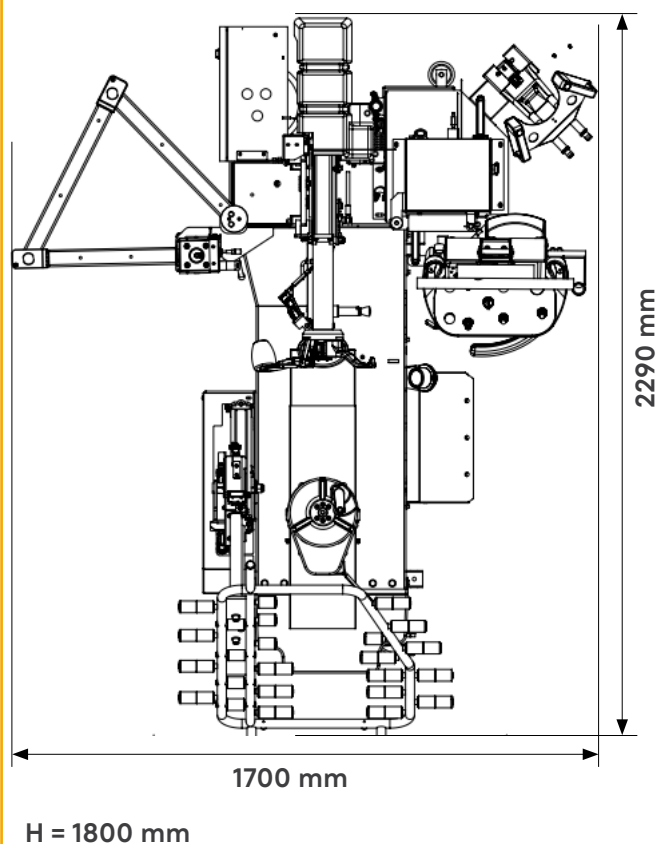
Power supply

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)

DIMENSIONS



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

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