

► SLITLABEL TLC automated machine

SLITLABEL TLC

AUTOMATED MACHINE FOR LONGITUDINAL ULTRASONIC SLITTING

Machine for **longitudinally cutting** and **ultrasonic welding** of **woven ribbons** complete with a **video camera** with **automatic movement of the blades** for **automated centering** of each single track.

The machine is **equipped with a video camera** and our **innovative software** that **constantly and automatically** keep the **ultrasonic longitudinal cut** in the **correct position**; each **single blade** is **individually controlled** and moved without the need for **manual intervention by the operator**.

The machine is equipped with a touch screen PC and video camera.

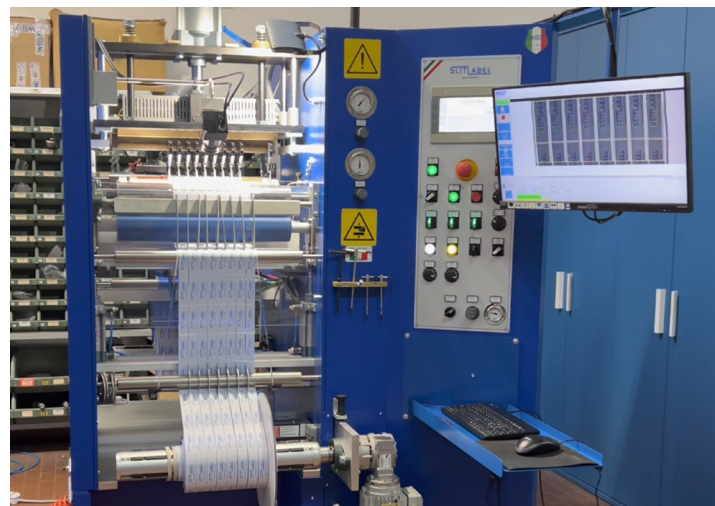
TECHNICAL FEATURES

- **Photocell** which reads the edge of the ribbon at in-feed to precisely allow centering of the cut in case of irregular material;
- Equipped with a **camera** and an **innovative software** that allow the ultrasonic longitudinal cut to be automatically kept in the correct position and **controls automatically and individually each single blade** without the need for manual intervention by the operator;
- Standard device for **waste material recovery**;
- The **300 mm version** is equipped with **10 circular blades** (0,3 mm) and **10 blade holders**; the **150 mm version** is equipped with **5 circular blades** (0,3 mm) and **5 blade holders**;
- The **Control Panel** gives the possibility to check and manage the functions of the machine;
- On the **300mm version** there are **two independent groups** for **ultrasonic cutting** and constant cooling of vibrating parts by compressed air. On the **150mm version** there is **one ultrasonic slitting group**;

- Protections to **CE norms**;
- **Ribbon-roll shaft** with a **pneumatic brake** and **expanders** that allow the blocking of the ribbon-roll during processing and the quick loading of ribbon rolls;
- One **motorized shaft** for **rewinding ribbon rolls** with pneumatic expanders (OPTIONAL: 2 motorized shaft);
- **Emergency blocking system** if the ribbon cut is not carried out correctly.

MAIN FEATURES

MAXIMUM RIBBON WIDTH AT IN FEED	<ul style="list-style-type: none"> • 300 mm workable width version • 150 mm workable width version
MINIMUM WIDTH OF CUT RIBBONS	9 mm standard
SPEED	up to 20 mt/min with video camera
FREQUENCY OF ULTRASONIC UNIT	30 khz
NUMBER OF INDEPENDENT ULTRASONIC UNITS	<ul style="list-style-type: none"> • 300mm vers.: 2x150mm independent • 150mm vers.: 1x150 mm



MAIN ADVANTAGES OBTAINED USING THE NEW SLITTING SYSTEM WITH CAMERA

- **The video camera system** allows each blade to be moved **automatically and independently** to find the correct position without the need for manual handling of the blades by the operator;
- Once the type of work to be done is configured, **the constant presence of the operator on the machine is not necessary, and a single person can operate on several machines at the same time**;
- **Quick and easy setup and use** – even unskilled operators can easily use the camera software and set up the job;
- **Processed tapes can be saved to PC files** and can be retrieved in case of job reordering;
- **Reduces waste**: thanks to the simultaneous control and automatic adjustment of each single blade, the final result is less waste;
- **TOLERANCE**: < 0,5 mm.

ACCESSORIES (OPTIONS)

V

PORTABLE ULTRASONIC SEALING UNIT



This accessory joins the end of one ribbon to the start of another giving extremely resistant joins.

ADDITIONAL BLADE HOLDERS AND BLADES

- 0,2 mm thick blade;
- 0,3 mm thick blade;
- 0,6 mm thick blade;
- Automated blade holder.

BC7

7 MM CUT (NON-AUTOMATED)

Possibility to install on the machine more blades and blade holders to **cut ribbons of 7 mm width**.

SL SP

RIBBON THICKNESS SENSOR

The thickness sensor detects when there is a joint (overlapping ribbons): the machine slows down to allow the cut to be carried out correctly without the intervention of the operator. When the joint has passed the blades, the machine starts working again at the speed it had before.

TECHNICAL DATA

OUTPUT DETAILS

MAXIMUM SPEED	up to 20 mt/min with video camera
RIBBON MAX WIDTH	» 300 mm version » 150 mm version

MACHINE DETAILS

ELECTRICS	400 V 3~ 50 Hz
MAX ABSORBED POWER	• 4 kW (300mm version) • 2,5 kW (150mm version)
NOISE LEVEL	< 70 dB
WEIGHT	880 kg
DIMENSIONS	140 x 170 x 220 h cm