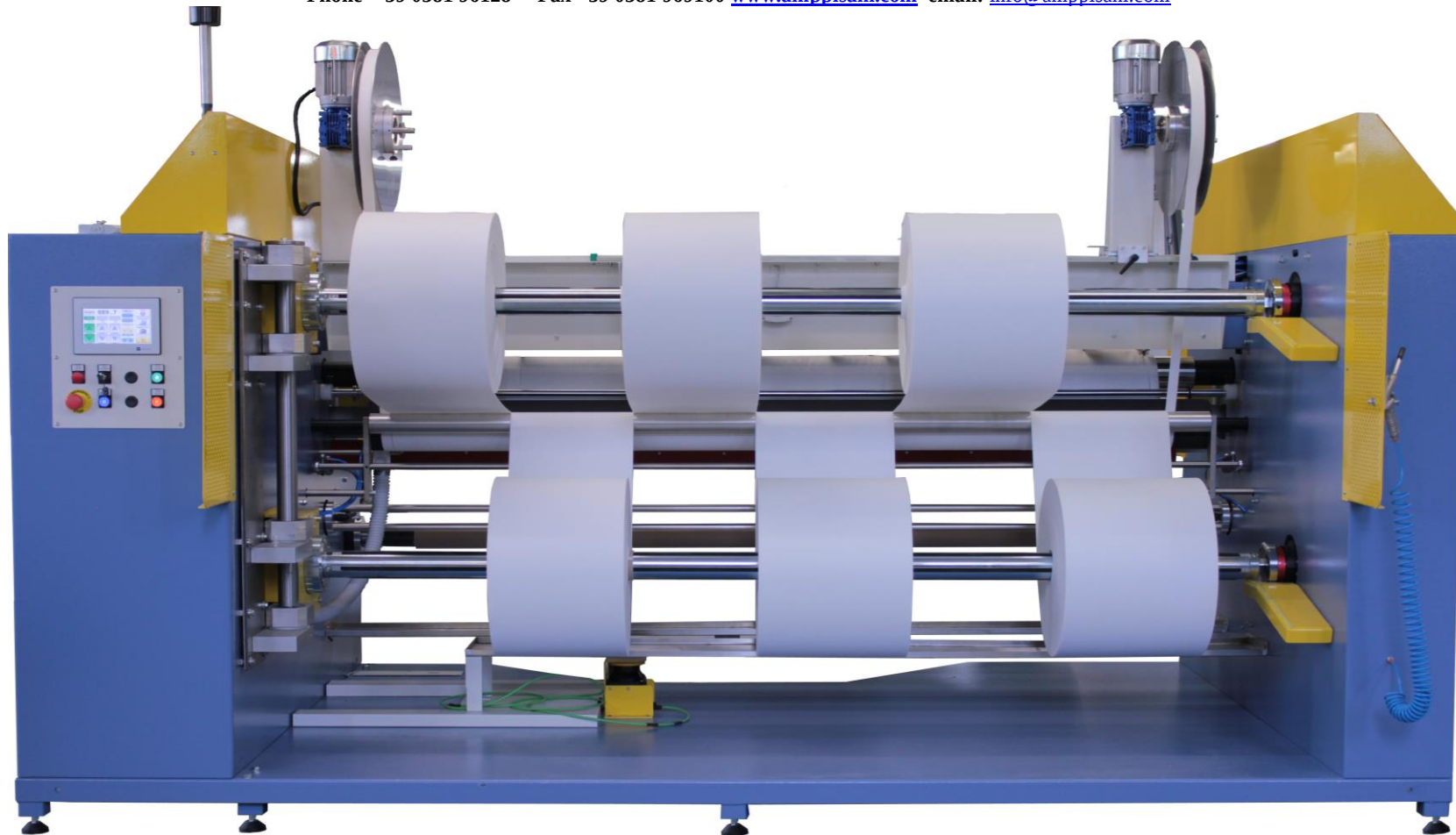




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LARGE CUT/E
HOT AND COLD SLITTING / REWINDING MACHINE FOR LARGE ROLLS

LARGECUT/E HOT AND COLD SLITTING / REWINDING MACHINE FOR LARGE ROLLS

The slitting-rewinding machine for cold and/or hot cutting class LARGECUT/E can cut most of the textile materials in rolls with pressure rotating knives (crush-cut) for cold cutting or polyester and acetate fibres by fixed blade heated knives (razor-cut).

DESCRIPTION

- Unwinding device for rolls up to diam. 60 cm x 200 cm max weight kg. 200 with a rewinding section of the cut ribbons on two pneumatic expanding shafts with magnetic powder clutch control on each shaft
- Pneumatic brake to adjust the unwinding tension and electromagnetic clutch to adjust the rewinding tension of the cut ribbons with commands on the touch screen panel.
- Closed loop controlled brushless motor for the winding motion of the unit with automatic zero speed detection of the winding motor speed.
- Each rewinding shaft consist of a pneumatic expanding bar for a fast lock of the cardboard core with possibility to remove it completely from the machine for easier loading/unloading operations.
- Cutting width adjustable by moving the heated knives along their support eventually using laser cut jigs in stainless steel (option to be quoted) for a quicker positioning.
- Cut done by pressure of the razor-cut knives on a hardened steel roller of large diameter.
- Knife temperature, cutting speed and rewinding tension are adjustable with commands on the touch screen panel.
- Presettable electronic meter counter on the touch screen panel and fabric end photocell
- Safety laser scanner to detect the presence of the operator nearby the unit to ensure the safety of the staff and the efficiency of the production process at the same time.
- PLC controlled UP/DOWN movement of the cold cut blades.
- Machine equipped with two touch screen panel, one on each side of the machine.
- PLC controlled unit with a additional safety PLC to control only the safety devices. Touch screen panel for data entry and alarm messages.
- Complete diagnostic software to inform the operator of any possible alarm with instructions to restart the unit on a touch screen graphic color panel with photos of the machine parts involved in the alarm.
- Machine can be equipped of up to 30 hot cut razor knives class TC/HFX and up to 20 crush-cut cold knives class TC/CLD

DEVICES ON REQUESTS

- **LARGECUT/SHA** Additional pneumatic rewinding shaft with diameter on requests.
- **TC/HFX** Heated razor-cut knife
- **TC/CLD** Crush-cut rotary knife for cold cut
- **LARGECUT/REW** Set of two motorized devices for rewinding the selvages of cut roll
- **LARGECUT/UNL** Pivoting winding shaft support to remove the cut tapes without removing the rewinding shafts from the machine

TECHNICAL SPECIFICATIONS :

- | | |
|--------------------------------|---|
| - Cutting speed | : Adjustable up to 40 mt/min. |
| - Max roll diameter to cut | : diam 60 cm (24")x200 cm (80") (up to 285 cm/ 112" on demand) |
| - Max roll weight | : Kg 200 (on request up to Kg. 600) |
| - Minimum cutting width | : 10 mm for hot cutting knives or 16 mm for cold cutting knives |
| - Max fabric width | : 200 cm (50") <i>Larger machines available on requests</i> |
| - Max programmable temperature | : 650° C (measured on the resistance) |
| - Minimum cutting width | : 10 mm (25/64") for hot cut knives,
16 mm (10/16") for cold cut knives |
| - Installed power | : 2.2 kW + 0.2 kW for each blade 380 V 3-phase 50Hz
(Other voltages on requests) |
| - Net weight | : Kg. 1.950 |



DETAIL OF REAR SIDE OF THE MACHINE