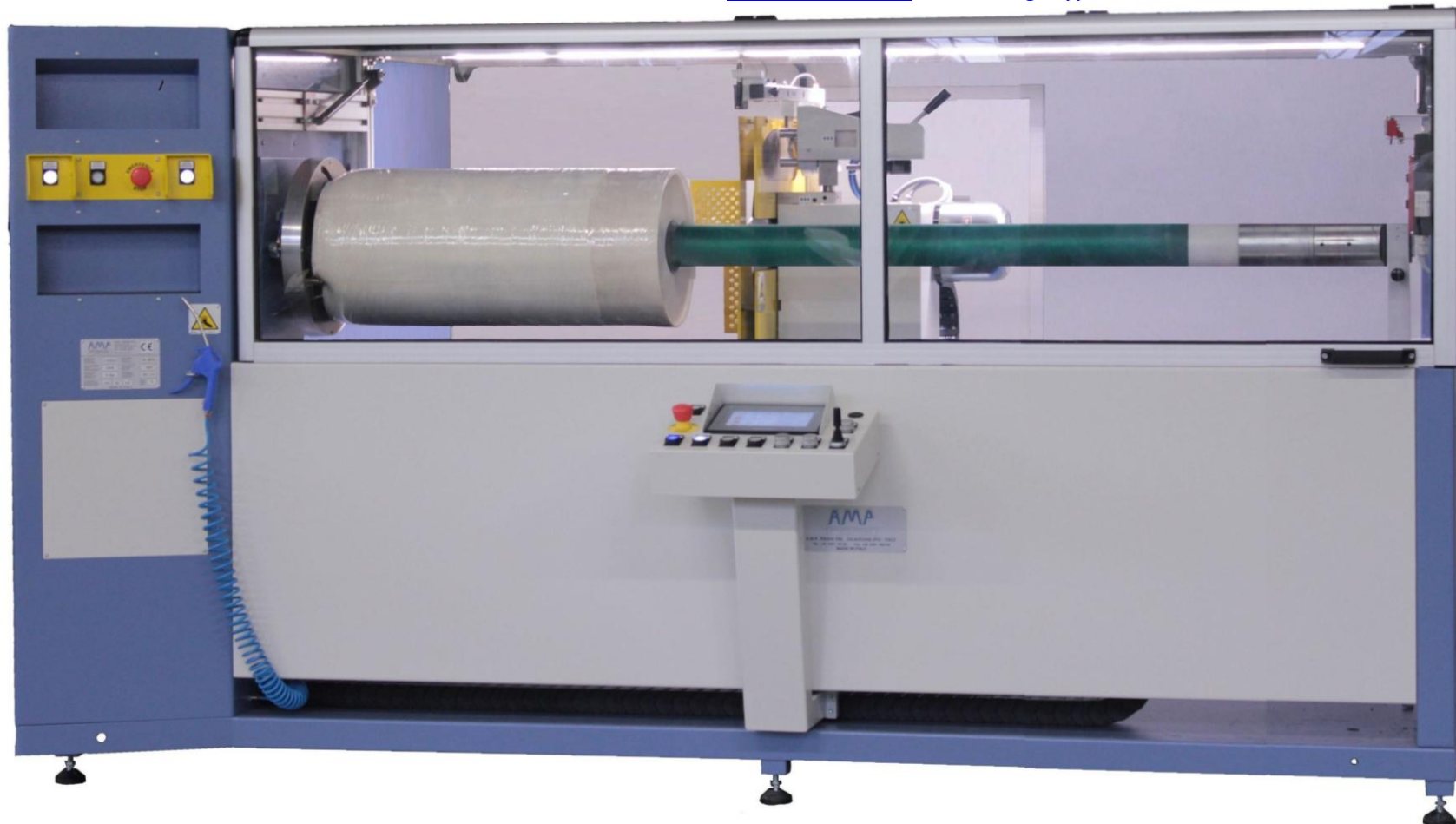




A.M.P PISANI S.r.l. Via Ungaretti 6/8 27024 CILAVEGNA (PV) ITALY
Phone +39 0381 96128 Fax +39 0381 969100 www.amppisani.com email: info@amppisani.com



T/520AD

AUTOMATIC ROLL SLITTING MACHINE FOR ADHESIVE MATERIALS

NUMERICALLY CONTROLLED AUTOMATIC ROLL SLITTING MACHINE T/520AD

Numerically controlled automatic roll slitting machine for rolls with max diameter 300 mm (12") and max displacement of the blade carriage from the chuck of 175 cm (69").

Movement of blade carriage toward the roll driven by brushless motor and wormscrew. Pivoting blade with movement driven by electric actuator

The machine was designed with the utmost attention to safety features and was equipped with a movable blade guard that completely covers the blade before the door can be opened.

The unit can slit most of technical and adhesive materials. CE certified machine in accordance with the European Machinery Safety Directive 2006/42/EC.

TECHNICAL FEATURES

- Totally closed machine. Highly safe for the operator, no diffusion of cutting dust and less noise. LED lights for a clear illumination inside the machine
- Numerically controlled positioning of the blade carriage with brushless motor and automatic cut with the possibility of programming up to six different cutting measures for each automatic cycle.
- Numerical control for the penetration movement of the blade toward the roll with brushless motor and wormscrew.
- Pivoting blade driven by numerically controlled brushless motor via an electric actuator with precision ball screw. Possibility to program the blade angle for each programmed cutting width.
- Adjustable blade rotation speed (up to 600 RPM) and adjustable roll rotation speed (up to 400 RPM) with digital vectorial inverter. Possibility to select the roll rotation direction.
- Up to 50 different cutting cycles. All the cutting parameters can be stored and retrieved into the machine memory.
- Laser system to measure the blade diameter with automatic adjustment of stop position near the roll shaft. No knob to adjust the forward travel end of the blade carriage.
- Laser pointer to indicate on the roll the exact position of the blade.
- Automatic positioning of the blade at the edge of the roll and automatic return of the blade to the initial position of the automatic cycle
- Quick blade return function out of the roll after slitting during the automatic cycle. The stop position outside the roll can be adjusted with the machine joystick
- Self-centering pneumatic chuck with double clamping mechanism on the cardboard core and on the roll external surface with possibility to adjust the clamping pressure plus adjustable mechanical travel end of the external grippers stroke to avoid excessive pressure on the roll surface in case of soft materials
- Automatic sharpening of the circular knife with Borazon grindstones on both sides with programmable sharpening time after a chosen number of cuts. Blade speed will be set automatically to the optimal sharpening speed during operation. The sharpening parameters of the auxiliary sharpener can be programmed with values different from those of the main sharpener.
- Machine equipped with a rotating roll-holder shaft covered with an easily replaceable PVC tube
- Pneumatic system to lift and support the roll shaft for easier loading/unloading operations.
- PLC controlled machine with a separate safety PLC to control the safety devices and equipped with complete diagnostic software to inform the operator of any possible alarm and to display instructions to restart the unit on a touch screen graphic panel. Machine prepared for connection Industry 4.0 with Modbus/TCP protocol
- Max roll dimensions: diam. 300 mm (12"), width 1.750 mm (69"), weight Kg.60 (130 lbs).

DEVICES ON REQUEST

- T500/COL Blade cooling system by compressed air expansion
- T500/WAT Water-based blade lubrication with two tanks, water collection tray and stainless-steel parts
- T500/LNK Link with AMP Pisani for remote connection, troubleshooting and sw updates through 4G network.
- T1000/LNK Link with AMP Pisani for remote connection, troubleshooting and sw updates through Ethernet network

TECHNICAL DATAS

- Blade diameter.....: 400 mm (16") (other diameters on requests)
- Roll shaft diameter.....: 75 mm (3")
- Voltage.....: 400V $\pm$ 5% 50Hz 3-phases (other voltages on request)
- Dimensions and weight: 3100 x 1850 x 1600 (h) mm – Kg 1.150 kg
- Installed power.....: 4,5 kW in standard configuration.
- Compressed air: 6 bar
- Accuracy of blade positioning.....: $\pm$ 0.01 mm