



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/500EX
AUTOMATIC ROLL SLITTING MACHINE

AUTOMATIC ROLL SLITTING MACHINE T/500EX

Automatic roll slitting machine for rolls with max diameter 300 mm, max displacement of the blade carriage from the chuck of 185 cm and possibility to load rolls with max length 215 cm.

This machine is designed with the utmost attention to safety features in order to obtain from IMQ (Italian Institute for Quality Trademarks) the **Certification of Examination “CE” for standards 2006/42/EC (ref. IMQ300)**.

The technical file of the machine has been deposited by IMQ organization that has certified the conformity to EC (European Community) Machine Safety Standards.

The unit can slit most of the material in rolls such as natural and synthetic fabrics straight or in bias, non-woven with and without adhesives etc.

With special devices, the machine can also slit foam rolls in polyethylene and PVC, glass and carbon fibers, plastic films, rubber, masking tapes, roofing materials and more.

TECHNICAL FEATURES

- Totally closed machine. Highly safe for the operator, no diffusion of cutting dust and less noise. LED lights for a clear illumination of the machine
- Numerically controlled positioning of the blade carriage with brushless motor and automatic cut with the possibility of programming up to 6 cutting measures for each automatic cycle.
- Blade penetration speed in the roll and blade penetration force adjustable on continuous rate and photocell to stop the blade carriage movement when the blade is out of the roll (automatic roll diameter adjustment).
- Adjustable blade rotation speed (up to 600 RPM) and adjustable roll rotation speed (up to 400 RPM) with possibility to choose the roll rotation direction.
- Automatic sharpening of the circular knife on both sides with adjustable sharpening time after a programmed number of cuts. Blade speed will be set automatically to the optimal sharpening speed during operation. The machine includes a device to dress the main grindstone with a diamond.
- 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
- Machine equipped with a fixed roll shaft support. Rotary roll shaft or expansion rotary shaft available on request with extra cost.
- Photocell to detect the roll diameter and laser pointer to indicate the position of the blade on the roll
- Lateral pneumatic lifting device of the roll shaft with additional lifting device on the blade carriage for an easy loading and unloading of the heavy rolls
- Rear door for an easy access inside the machine with sensor to sudden stop the machine once it has been opened
- 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.
- Max roll dimensions: diam. 300 mm, length 2150 mm, weight Kg.60. Machine available on request for larger roll diameters

DEVICES ON REQUEST

- T300/SIL Automatic blade lubrication system for the blade with presettable lube on/off time
- T500/D50 Machine with blade diam. 50 cm for rolls max diam. 40 cm
- T500/WLUB Double lubrication system with two tanks and selection of the liquid
- T500/CLN Automatic blade cleaning system on both sides
- T500/COL Blade cooling system by compressed air expansion

TECHNICAL DATAS

- Blade diameter.....:450 mm (other diameters on requests)
- Roll shaft diameter.....:50 mm (other diameters on requests)
- Voltage.....:400V \pm 5% 50Hz 3-phases (other voltages on request)
- Space requirements and weight.....:3000 x 1580 x 1600 (h) mm Kg. 1.050
- Installed power.....:4,5 kW
- Compressed air:6 bar
- Accuracy of blade positioning.....: \pm 0.03 mm

N. IMQ 300 Rev. 0



ATTESTATO DI ESAME DI TIPO
TYPE EXAMINATION CERTIFICATE

Visto l'esito delle verifiche condotte in conformità con:
On the basis of our verifications carried out according to:

Si dichiara che il prodotto:
We declare that the product:

REQUISITI essenziali della Direttiva 2006/42/CE
Essential Requirements of the Directive 2006/42/EC:

TAGLIAROTOLO AUTOMATICA
Automatic roll slitter

Marca / Trade mark **A.M.P. PISANI**
Modello / model **T/300EX - T/300EX - T/500EX - T/1000EX**

Fabbricato da:
Manufactured by:

A.M.P. PISANI SRL
VIA UNGARETTI, 4/B - 27024 CIVAVEGNA (PV)

Soddisfa le disposizioni della:
Meets the requirements of the:

Direttiva 2006/42/CE
Directive 2006/42/EC

Riferimento tecnico IMQ
IMQ assessment file:

SDAQ00140

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