“APS” WINDING MACHINE
AUTOMATIC WINDING MACHINE FOR RIGID WEBBING TO BE PACKAGED IN HEAT-SHRINK BAGS WITH HANGERS

- An automatic machine for winding up medium-heavy rigid webbings around two adjustable pins and place them into a heat-shrink bag.
- The production cycle is fully automatic and all the operations are performed by the machine, which means that during winding, bagging and heat-shrinking there is no need for the operator to intervene.
- The positive drive with a 0.75kW motor and synchronisation loop is used to pick up the webbing from a bin placed at a distance of even 30-40 metres, thus preventing the webbing being wound from being damaged due to sudden knots or tangles, and keeping the webbing tension constant. By controlling the winding tension, the machine is designed to meet all possible requirements in terms of type of webbing, and ensure greater power, speed and precision of the measurement.
- The linear winding speed can be adjusted from 40 to 200 m/min.
- In the presence of major tangles or knots of the webbing, a control device is provided to stop the machine and avoid any damage to both webbing and machine.
- In the presence of irregular webbing thickness, due to seams, small knots, loops or staples and imperfections, the machine can stop according to the programmed range, thus preventing the defective product from being packaged.
- The measurement of the wound-up webbing is given by the distance of the winding pins, the webbing thickness and the number of revolutions set from the keyboard.
- The meter provided can be set to stop the machine when the desired number of packages is reached (setting range 1-9999).
- The webbing is cut using a cutter made of premium quality high-strength materials. Cut webbing containing iron wire, brass or other metals, excluding stainless steel, can be safely cut up.
- Packaging is performed by a gripper that picks up the webbing from the winding machine and inserts it into a bag, which has been previously taken from a magazine of a capacity of over 150 bags. The bag is then shut sealed by heat-shrinking and any excess of the packaging material is cut off.
- From the keyboard you can enter all the winding, bagging and sealing parameters and display all the possible alarms, thus making operation and maintenance interventions extremely easy.
- A PLC ensures automation of all movements and checks the functioning of signals associated with operation of the safety devices.
- This machine winds up and packages the webbing hermetically in a bag without using metal staples, adhesive labels or elastic bands, which means no risk of damaging the product, no waste material and long-lasting life, thus avoiding any problem of deterioration.
PACKAGE FEATURES

MAXIMUM WEBBING WIDTH       50 mm
WINDING PINS DISTANCE   130-200 mm

MAXIMUM BAG WIDTH     150 mm
MAXIMUM BAG LENGTH     400 mm

*The bag sizes refer to the dimensions of the wound-up webbing.*
ADDITIONAL DEVICE

➢ DB SPAZ 00 WEBBING BRUSHING

The brushing machine is an optional to be mounted on the machine for removing the unsightly dust on both sides of the webbing prior to packaging.

This device is mounted on the outside of the winding machine, immediately after the thickness control equipment, so as to protect it against any webbing knots or tangles.

SPECIFICATIONS

POWER SUPPLY            3x230V+G   3x400V+G   50-60Hz   max 5kW
COMPRESSED AIR REQUIRED  7-10 bar   - 200 NL /minute

HOURLY OUTPUT

600 pcs./hr

(roller shutter belt 7.5 metres in length)

DIMENSIONS

2650 x 1280 x 2000 H mm

NET WEIGHT

600 kg

The above specifications are subject to change and shall be confirmed at the time of order according to your products.