

(Original) Use and maintenance manual

Type: Winder device 3100mm
Model: WU-300



IMPORTANT:

Read this user manual and follow the instructions and warnings before operating this device.

Any modification or transformation performed on this machine may cause loss of the manufacturer's guarantee and liability.

This manual must always remain near to the machine and visible to all the operating and maintenance staff, for any future consultation, forming part of the equipment.

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- **CE Declaration of Conformity:**

WE DECLARE, under our responsibility, that the machine:

- Type: Winder unit
- Brand: ERM Engineering
- Model: WU-300
- Serial No.: xxxxxx
- Manufacturer date: 2021

Inspired by the directives of the Official Journal of the European Communities:

2006/42/CE Machinery Directive

2014/35/UE Low Voltage Directive

2014/30/UE Electromagnetic Compatibility Directive

Complies with the design and construction specifications of the European Standards on General Machine Safety:

EN 349 - EN 614-1 - EN 614-2 - EN 12100 - EN 11161-1 - EN 1005-1 - EN 1005-2 - EN 1005-3 - EN 1005-4 - EN 13849-1 - EN 13849-2 - EN 894-3 - EN 13857 - EN 60204-1 - EN 14118 - EN 14120

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ermengineering
belting fabrication equipment

Arenys de Munt (Barcelona)-SPAIN

Date: 2021/08

- **Description:**

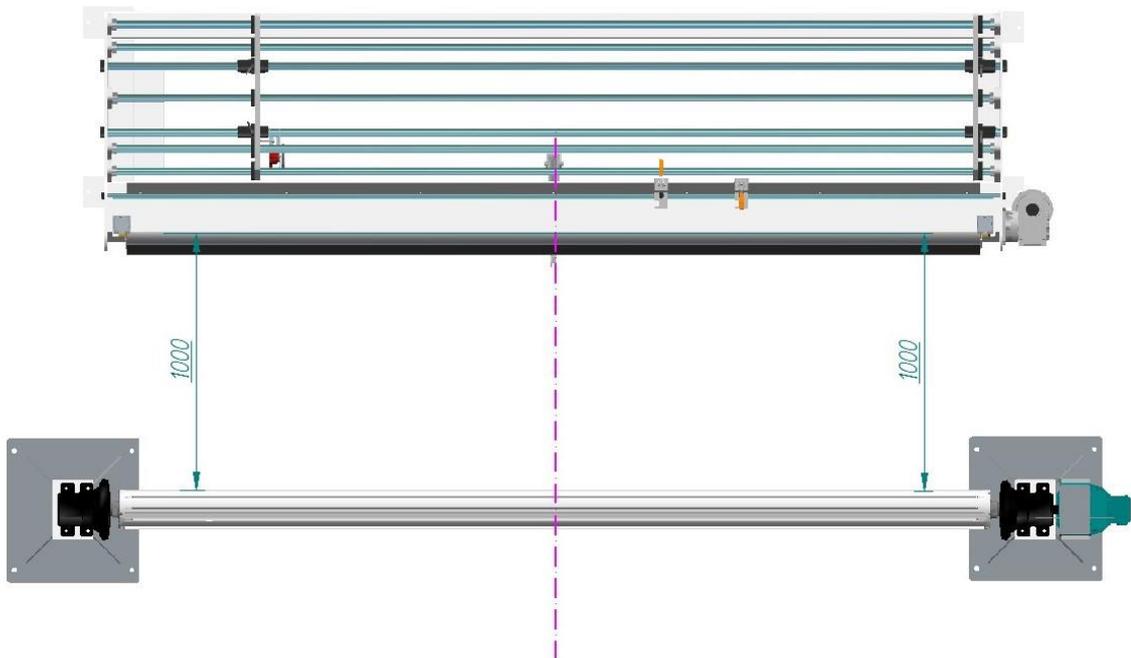
Motorised expansion axle 148mm. diameter to wind the cut belt, housed in folding safety chucks and driven by variable speed motor activated by electric pedal.

- **Technical characteristics:**

Dimensions (cm.)	358 x 50 x 180 (l x w x h)
Shaft Weight	54 Kg
Max. Slab weight	2400 Kg.
Max. Belt Width	3200 mm.
Voltage	3x400 v.
Max. slab diameter	1300 mm.
Max. cutting speed	20 Mt / min.
Power	2.250 w

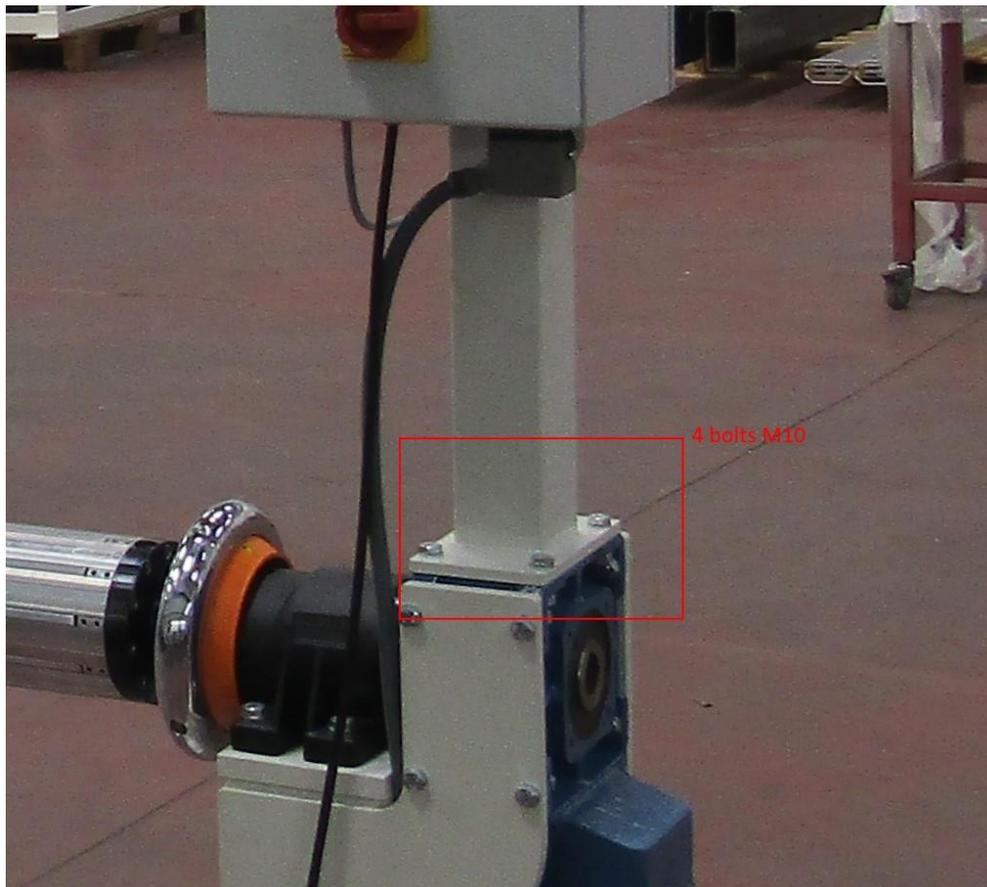
- **Installation and connection:**

Place the unit like drawing and fix on floor with metallic 8 bolts.



Measure the distance between shaft edges and slitter rollers to keep the parallel geometry.

Assemble the control box feet on motor gear box.



Connect the motor plug in down control box shocked.

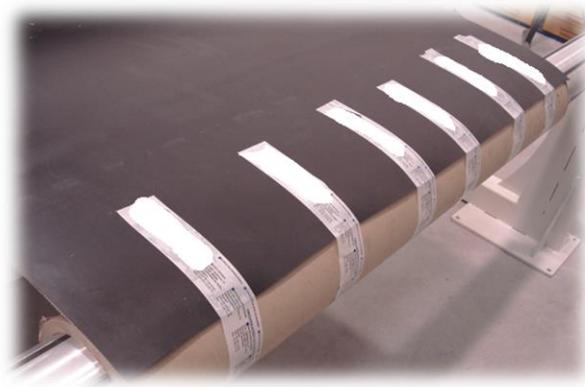
Connect the grey cable from control box to power supply 3x400V.

- **Using instructions:**

Cut the necessary cardboard mandrels 150mm. internal diameter, to the widths to be wound and put them onto the pneumatic shaft already placed on the safety chucks of the winder, placing a separation disk between each mandrel.

Perfectly centre the mandrels with the ends of cut belt and proceed to inflate the pneumatic shaft to hold the mandrels.

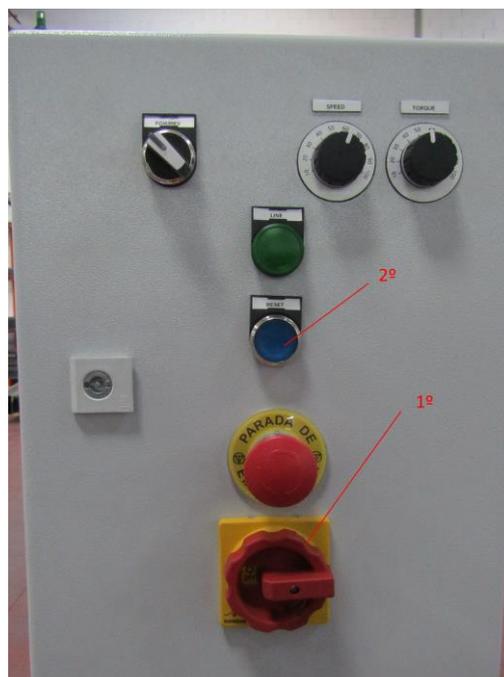
Fix the ends of the belt to the cardboard mandrels using adhesive tape or metal staples, trying to ensure all the pieces have the same tension.



Inflate the pneumatic shaft to a pressure of 5 bar, using the inflation gun.



Turn ON the control box and press reset button.

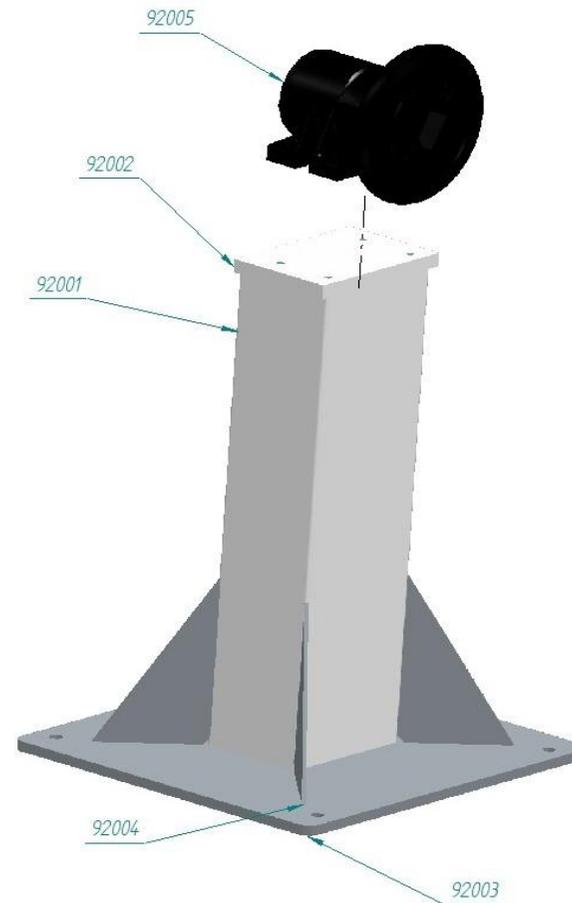


Control the speed and belt tension by two potentiometers.



- **Spare parts:**

Part Number	Part Name	Units
92001	Pie3100 dado	1
92002	BASE DADO SP-50 bobinado	1
92003	Base WU300	1
92004	Refuerzo WU	4
92005	Dado 50 ciego	1



Use and maintenance manual

Winder unit

Model: WU-300

Part Number	Part Name	Units
92017	Dado 50 motor	1
92018	K_60A_15_27_W101LA4--30Istep_AP214J	1

