



PWP – 31 Precise thread guide winder



Machine application:

The precise thread guide winder PWP-31 is thought to rewind various type yarn and strings on cylindrical beams with precise winding structure.

The machine can be delivered in various designs depending on the take-up beam length as well as the winding point number.

The machine is designed in particular to fabricate filter cartridges wound on perforated bobbins.

Machine description:

The machine is equipped with individual inverter-controlled electromotor drive for each winding point. Hence, selecting the optimum winding speed for a given raw material is possible. A raw material put on bobbins is placed in the lower machine part on the creel.

The machine is equipped with the following stretch and control elements:

- disk stretcher
- string lack sensor
- beam diameter sensor

The cylindrical take-up beams have a precise winding net structure. Appropriate winding net structure for various string count (gauge) can be selected by changing the toothed pulleys.



Technical data of precise thread-guide winder PWP-31:

Description:	Unit:	Quantity:
Number of heads	pcs	2 - 4
Yarn thickness	mm	0,3 - 0,7
Feed bobbin outside diameter	mm	up to 250
Receive bobbin: - max. diameter - max. length	mm mm	precise cylindrical 150 250
Receive package bobbin: - inside diameter - length	mm mm	cylindrical 28 250
Spindles rotary speed (stepless regulation)	rpm	400 - 1400
Approximate productivity from 4 heads with parameters: - thread thickness g=2mm - spindles rotary speed V=1400 rev/min - length of bobbin D=250mm - outside diameter of bobbin dz=60mm *not include time for service	pcs/h	240
Overall dimensions (length x width x height)	mm	940 x 820 x 1400
Weight of the machine	kg	140
Power installed	kW	0,4
Power supply	V	3Ph 400/230 N/PE
Nominal current	A	3,7
Control voltage	VDC	24
Supply voltage frequency	Hz	50 - 60
Noise level in the place of work	dB	65