

HIGH SPEED WIRE WINDER

Electronic Brake System



Precision
Winding



Model: PBW-HS16

Wire winder Model: PBW-HS16 is a high speed wire bobbin winder designed to ensure consistent quality of winding. This winder has modular let off stations and can be configured as per requirement of the customer.

The constant wire length coupled with constant letoff tension maintained by the digital tension control system ensures catenary measurements that surpass the industry standards. The crossover of the wire strands during the reeving process is avoided by the wire clamping tool and wire holding springs.

The complete process of winding is automated except for loading of the bobbin, attachment of the wire and unloading of the bobbin. The parameters that govern the winding process are loaded from safety for the operator. The entire winding process can be monitored and controlled through operator control panels and push button stations on the winder and the let off module.

WIRE WINDER



Model: PBW-HS08

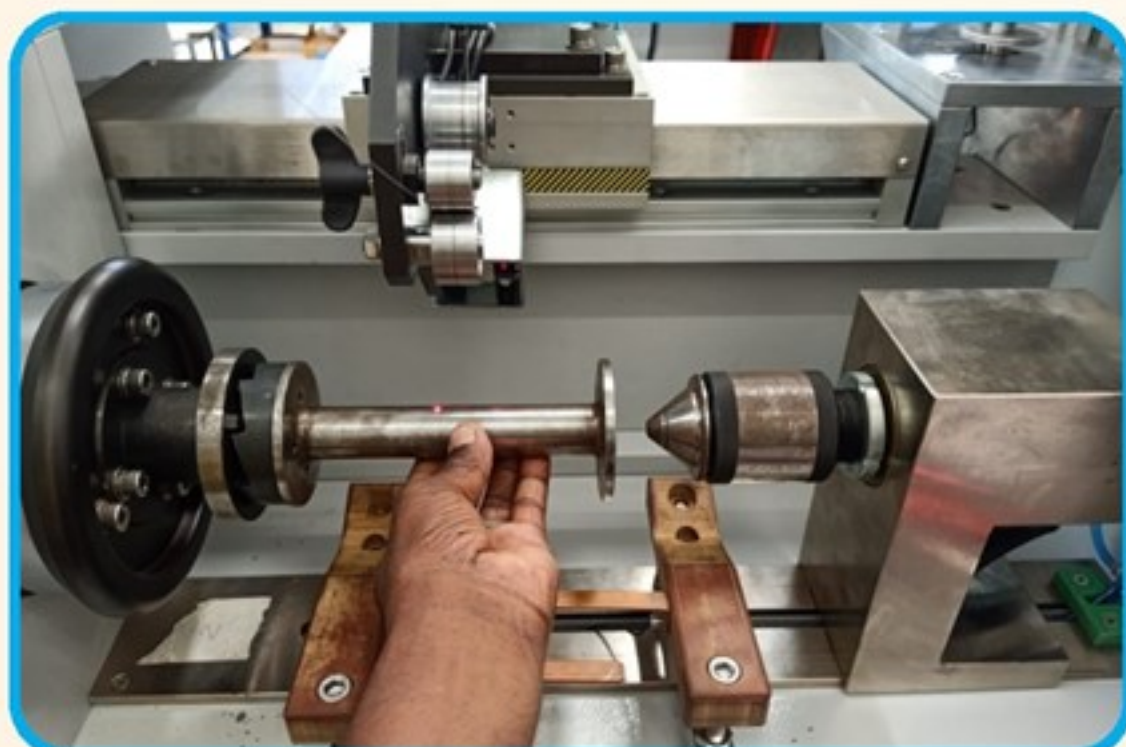
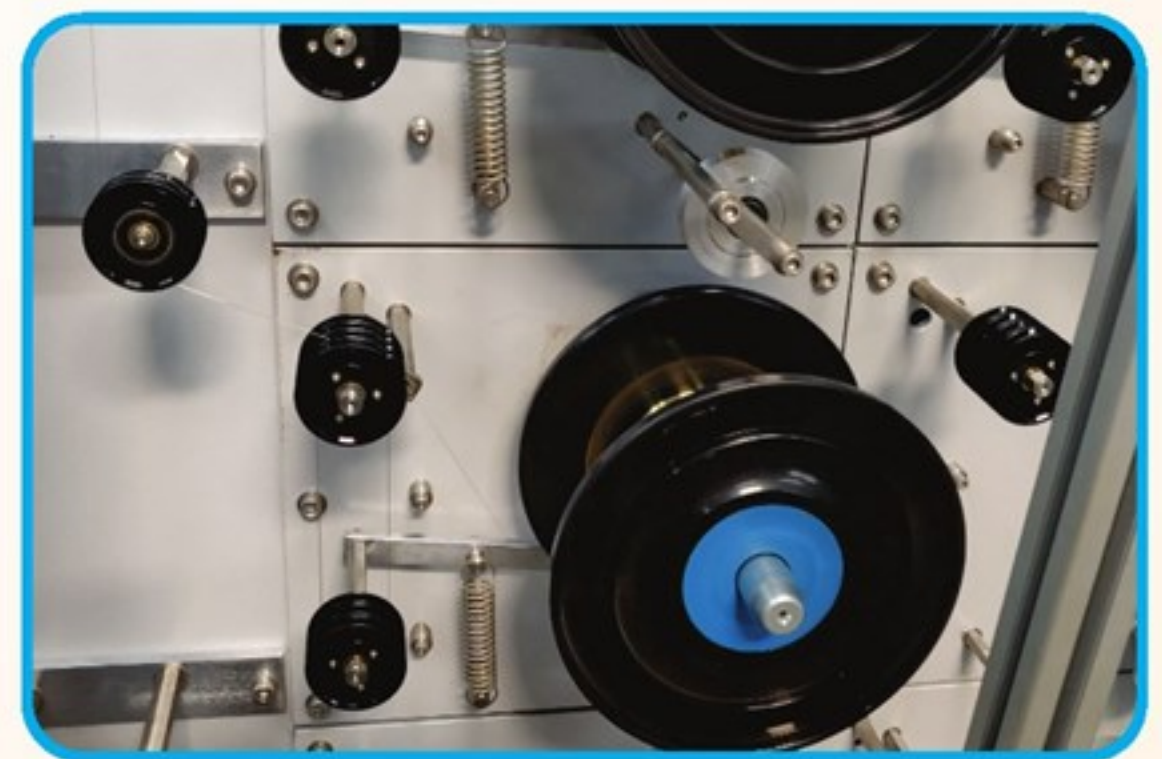
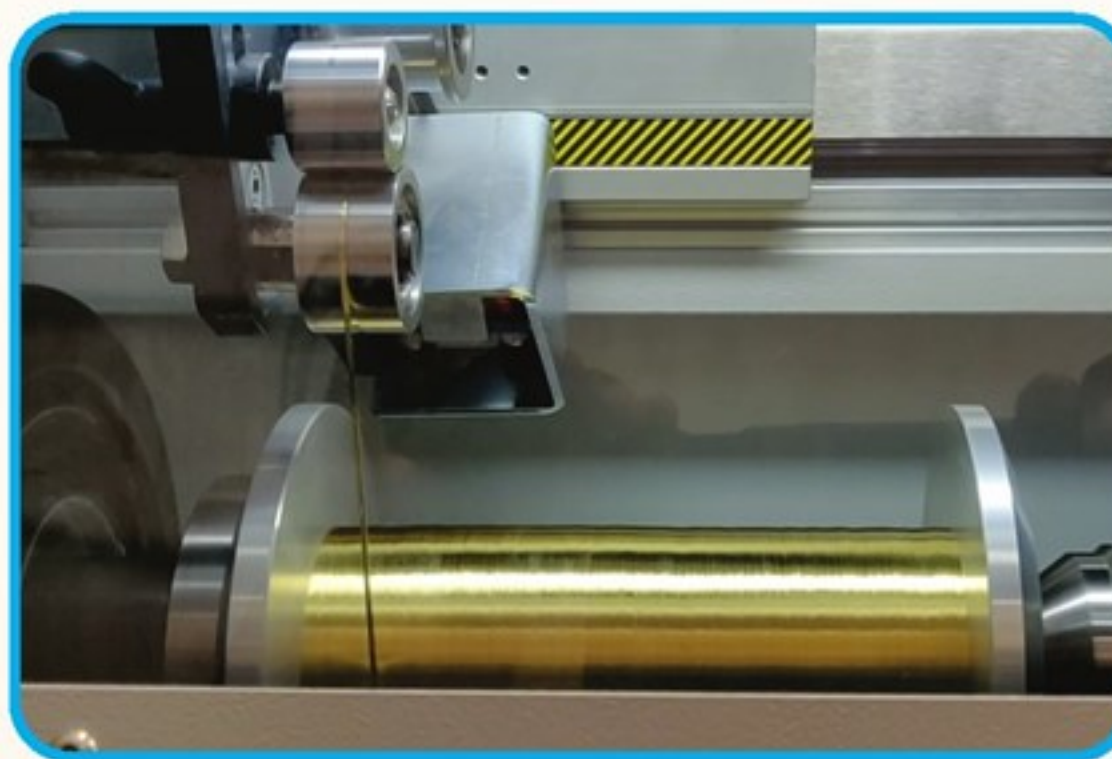


Features:

- ❑ High winding speed : 720m / min.
- ❑ Modular Let-off stations with electronic brake system
- ❑ Electronically controlled hysteresis brake Let off system
- ❑ Constant winding speed and controlled wire speed during start and stop
- ❑ Digital variable speed servo motor drive
- ❑ Zero backlash electronic gearing
- ❑ Ball screw traverse
- ❑ Beakless roller moving traverse
- ❑ Excellent catenary quality
- ❑ Digital tension control system
- ❑ Multilingual color touch screen - HMI



	Bobbin Winder	12 Let-Off Station
Main drive	9.0 kW / 415V	
Traverse drive	1.0 kW / 415V	
Ambient temperature of operation	+10°C to 35°C	+10°C to 35°C
Electrical connections	(400 V / 50 Hz) ±10%	(400 V / 50 Hz) ±10%
Power consumption	4.5 kW	
Pneumatic connection	6 bar	
Bobbin dimension		
Flange diameter	50 to 180 mm	
Length	50 to 220 mm	
Speed of drive spindle (Maximum)	2600 rpm	
Torque of drive spindle	20 Nm	
Pitch range	0.01 - 12 mm	
Wire diameter	0.15 - 0.6 mm	
Wire count	Max. 12 Ends (16 Optional)	
Wire strength		5 - 16N (0.15 - 0.6mm wire diameter: High tensile strength 1900 - 3050 N/mm ²)
Max. speed of wire	Max. 12 m / s (0.3mm wire) Max. 8 m / s (0.4mm wire)	
Mass	Approx. 850 kg	Approx. 950 kg
Size (L x B x H) in mm	1160 x 1700 x 1860	2050 x 1250 x 1900
Noise level	less than 83 dB (A) BP 60 supplier bobbins	
Programmings	99 Programs	



MAYPOLE WIRE BRAIDER

Hydraulic Hoses for Export / OEM

Heavy Duty
Flech X



Manufactured by

 **Penguin
Engineers**

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