

# WIRE WINDER



# Penguin Winders

Precision  
Winding



Model: PHEW-LO12

**W**ire winder Model: PHEW-LO12 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 winging 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: PHEW-LO06

## Features:

- ❑ High winding speed : 720m / min.
- ❑ Modular Let-off stations with electronic brake system
- ❑ Electronically controlled hysteresis brake
- ❑ Constant winding speed and controlled wire speed during start and stop
- ❑ Digital variable speed servo drive
- ❑ Digital tension control system
- ❑ HMI (Human Machine Interface) 5" Colour touch screen

6 - Letoff Station



12 - Letoff Station



16 - Letoff Station



Specifications:	Bobbin Winder	12 Let-Off Station
Main drive	5.5 kW / 380V	
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	8 kW	1.5 kW
Pneumatic connection	6 bar	
<i>Bobbin dimension</i>		
Flange diameter	50 to 180 mm	
Traverse	50 - 230 mm	
Speed of drive spindle (Maximum)	2600 rpm	
Torque of drive spindle	20 Nm	
Pitch range	0.01 - 12mm	
Wire diameter	0.19 - 0.5mm	
Wire count	Max. 12 Ends (16 Optional)	
Wire strength		5 - 16N (0.2 - 0.3 wire diameter: Tensile strength 2450 - 3050 N/mm <sup>2</sup> )
Max. speed of wire	12 m / s (0.3mm wire) 8 m /s (0.5mm wire) 4 m/s (0.19mm wire)	
Mass	Approx. 850 kg	Approx. 950 kg
Size (L x B x H) in mm	1110 x 1560 x 1860	2000 x 1250 x 2300
Noise level	less than 83 dB (A) BP 60 supplier bobbins	
Programmings	99 Programs	



# WIRE BRAIDER

## Hydraulic Hoses for Export / OEM

Heavy Duty  
Flech X



Wire carriers with  
Preformer

Manufactured by



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