

AND – 04 Automatic wire winder (small spools)



Machine application:

The machine is designed for winding wire on commercial bobbins up to a programmed weight which have a very persistent structure, look very aesthetic and are easy to unwrap.

Machine description:

The automatic wire winder is provided with one outlet and equipped with the following elements and systems:

- microprocessor control system
- electronic inverter (frequency changer) system to control the drive motor rotational speed
- pneumatic operational systems

Thus, the process is fully automatized and single operations are programmed best.

The following production cycle operations are fully automatized:

- bringing a wooden strip to be wound up with wire into the winding zone
- fixing a wire tip at the winding start
- winding wire
- stopping the winding process on reaching the programmed layer number
- cutting wire off
- throwing the ready-made wire coil together with wooden strip off the spindle

The applied control systems provide the following functions:

- stopping the machine in case of wooden strip deficiency
- stopping the machine in default of wire winding on a wooden strip
- stopping the machine once a programmed coil number is reached
- stopping the machine once pressure drops below the minimum value in the pneumatic system
- stopping the machine and deflating the pneumatic system when the machine door is opened



Technical data of automatic wire winder AND-04:

Description:	Unit:	Quantity:
Number of heads	pcs	1
Winding raw material: - material - diameter	mm mm	soft steel wire 0,6 – 0,9
Feed bobbin		in circles or on the disk spools
Receive bobbin: - max. diameter - length	mm mm	20 90 – 124
Receive package bobbin: - material - length - cross section	mm mm mm	hard wood 241 ₂ square 8,5
Spindle rotary speed	1/min	1680 – 2800
Theoretical productivity for wire \varnothing 0,7mm; mass 0,1kg	kg/h	~18
Overall dimensions (length x width x height):	mm	1350 x 1100 x 1250
Weight of the machine	kg	220
Pressure of the pneumatic system	MPa	0,6
Approximate air consumption	NI/min	50
Power installed	kW	0,4
Power supply	V	1Ph 230 N/PE
Nominal current	A	1,5
Control voltage	VDC	24
Supply voltage frequency	Hz	50 – 60
Noise level in the place of work	dB	70