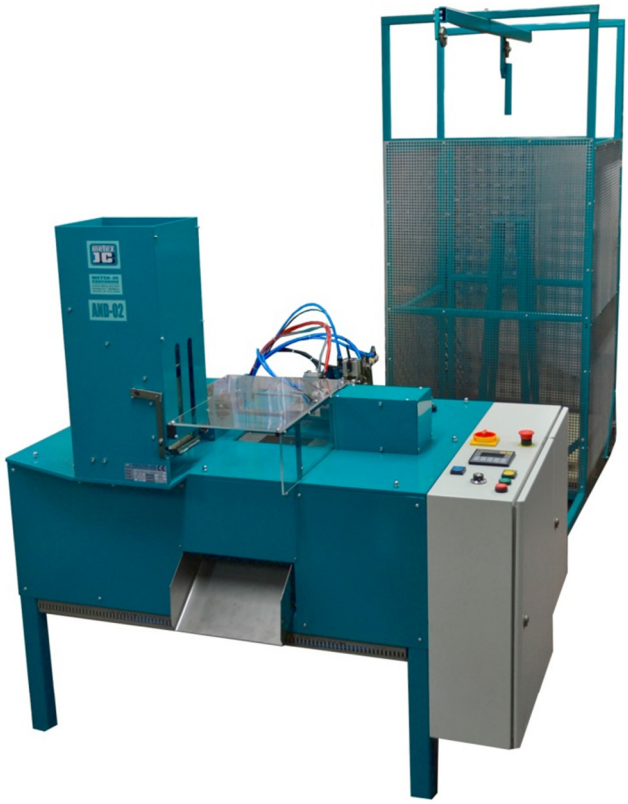
AND – 02 Automatic wire winder (big spools)



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
- 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

Technical data of automatic wire winder AND-02:

Description:	Unit:	Quantity:
Number of heads	pcs	1
Winding raw material: - material - diameter	 mm mm	 soft steel wire 1
Feed bobbin		in circles
Receive bobbin: - max. diameter - length	 mm mm	 60 100 – 135
Receive package bobbin: - material - length - cross section	 mm mm mm	 soft wood 205_{-7} square 18 – 20
Spindle rotary speed	1/min	360 – 1800
Theoretical productivity for wire Ø 1mm; mass 1kg	kg/h	~90
Overall dimensions (length x width x height): - without frame for wire - with frame for wire	 mm mm	 1320 x 800 x 1400 1320 x 1730 x 2010
Weight of the machine	kg	120
Power installed	kW	0,65
Power supply	V	3Ph 400/230 N/PE
Control voltage	VDC	24
Supply voltage frequency	Hz	50 - 60
Pressure of the pneumatic system	MPa	0,6
Approximate air consumption	Nl/min	50

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