



AGWm – 01 Automatic machine for making star bows



Machine application:

The machine is used for making self-sticking star bows out of polypropylene tape. The bows are produced for sticking on gifts and for other decorative purposes. They may have a different number of points, which can be changed easily by setting the electronic counter. The finished product is connected to a strip of adhesive tape. The bow-making can be performed at five different speeds, selectable by a dedicated switch.

Machine description:

The bow-making process can be divided into the following stages:

- initial loading of the tape
- making of the initial loop
- making of the points
- cutting off the tape
- stapling the star bow to a paper tape
- ejection of the finished product

The photo optical sensor controls the termination of the bow-making process. If for any reason the bow fails to drop out the machine is automatically stopped in order to fix the problem.

The wiring of the machine is hidden in a hermetic metal casing.

The following control elements are placed on the control panel:

- START and STOP buttons
- Bow-making speed switch
- tape loading speed potentiometer
- programmable star bow points electronic counter
- switch of the angle between the points
- power, lack of tape and sensor damage indicating lights



Technical data of automatic machine for making star bows AGWm-01:

Description:	Unit:	Quantity:
Width of the polypropylene tape	mm	5
Bobbin of the polypropylene tape:		
- diameter of the hole	mm	16
- diameter of the disk	mm	88
- length of the bobbin	mm	112
Width of the adhesive tape	mm	10
Diameter of the adhesive tape circles	mm	up to 320
Diameter of the star bows (stepless regulation)	mm	from 25 to 35
Number of the star bow points (programmable electric counter)	pcs	up to 18
Angle between the star bow points (selected by the switch)		210° or 225°
Stapler capacity	pcs	up to 350
Number of different bow making speeds		5
Productivity in relation to points number:		
- 12 pointed star	pcs/h	up to 540
- 16 pointed star		up to 460
- 18 pointed star		up to 420
Overall dimensions (length x width x height)	mm	680 x 600 x 1350
Weight of the machine	kg	75
Rated engine speed	rev/min	1380
Power supply 3-phase	kW	0,25
Power supply	V	1 Ph 230 N/PE
Nominal current	A	2,5
Control voltage	VDC	24
Supply voltage frequency	Hz	50 - 60
Pressure of the pneumatic system	MPa	0,6
Approximate air consumption	NI/min	~3
Noise level in the place of work	dB	65