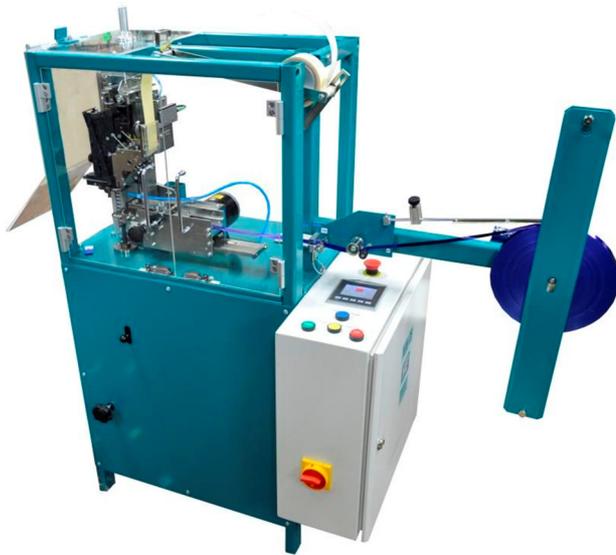




AGW – 07 Automatic machine for making star bows



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. A wide range of diameters of the bow can be selected. The finished product is connected to a strip of adhesive tape. The bow-making machine 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, STOP, EMERGENCY STOP buttons
- touch screen programmable controller which enables the operator to change the following settings:
 - star bow parameters (for example: number of points, angle between the star bow points, length of the tape, speed)
 - engine operating parameters

The programmable controller shows also the information about status, errors and works as a counter.



Technical data of automatic machine for making star bows AGW-07:

Description:	Unit:	Quantity:
Width of the polypropylene tape	mm	10, 15, 20, 30
Diameter of the polypropylene tape circles	mm	up to 600
Width of the adhesive tape (with a bar code or plain)	mm	39 - 40
Diameter of the adhesive tape circles	mm	up to 320
Diameter of the star bows (stepless regulation)	mm	from 50 to 110
Number of the star bow points (programmed on the controller)	pcs	1 - 99
Angle between the star bow points (programmed on the controller)		10° - 999°
Stapler capacity	pcs	up to 1000
Number of different bow making speeds		5
Productivity in relation to points number: - 15 pointed star - 17 pointed star - 24 pointed star	pcs/h	up to 435 up to 360 up to 286
Overall dimensions (length x width x height)	mm	990 x 600 x 1350
Weight of the machine	kg	105
Power installed	kW	0,5
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	Nl/min	~3
Noise level in the place of work	dB	65