APP – 13 Pompon making machine

Machine application:

The machine of production pompoms APP–13 is intended for production of decorative pompoms from yarns. Received pompoms are finding application in the branch textile chiefly as the decorative element of caps, bandannas and for other decorative purposes.

Machine description:

It is possible in the semi–automatic process to separate occurring stages from forming of the pompom:
- manual arranging of the winding reel binding threads in the groove
- automatic winding of the determined number of coils yarns on the reel prepared previously
- wound round the automatic intersection on the reel yarns along with dragging the binding thread
- manual cutting of the binding thread and removing the ready pompom

The electronic meter of coils was applied to the machine yarns wound on the reel what is guaranteeing dimensional repeatability of produced pompoms. Were foreseen also preliminary moisturizing of the cotton binding thread whom he is purposing more precise belting of cut fibers after drying, but the same bigger life of the product.

Occurring buttons were put on the control panel:
- START WINDING – causing the launch of the process of winding of the determined number of coils yarns on the reel
- START CUTTING – pair of buttons whom, it is possible from the security consideration 'with' to squeeze only on two hands - is running the revolving knife of the intersection wound yarns on the reel
- CUTTING SPEED SWITCH – when "0" – the knife is being pulled out slowly (recommended for large pompon production), when "1" the knife is being pulled out and pulled in quickly (recommended for small pompon production)
- FUNCTION OF KNIFE SHARPENING

In the back side of the machine, a special stand for yarn packages, envisaged for 6 or 8 bobbins, has been placed.

Technical data of pompon making machine APP–13:

Description:	Unit:	Quantity:
Pompon diameter received on bobbins with core diameters (cd)*: – cd 7 / cd 8 – cd 9 / cd 10 – cd 12 / cd 14 – cd 16 / cd 20 – cd 22 / cd 25 – cd 30 / cd 35 – cd 38 / cd 40 – cd 45 / cd 50	mm	30 / 35 35 / 40 50 / 60 65 / 70 80 / 90 110 / 125 150 / 160 „bell"
Max. numer of laps to be wound	laps	999
Number of threads to be wound simultaneously	pcs	max. 8
Max. spindle speed of rotation (stepless regulation)	rev/min	2500
Recommended dimensions of tying–up thread (ball) d_{out} x length	mm	100 x 90
Dimensions of yarn packages containing raw–material d_{out} x length (it is recommended to use packages on conical bobbins)	mm	180 x 220
Average output of the machine (depending on pompon size)	pcs/h	~120
Overall dimensions (length x width x height) Plate height	mm	1115 x 830 x 1270 810
Weight of the machine	kg	90
Power installed	kW	0,5
Power supply	V	1Ph 230 N/PE
Nominal current	A	2,5
Control voltage	VDC	24
Supply voltage frequency	Hz	50 – 60
Noise level in the place of work	dB	60
*3 spools are supplied with the machine		