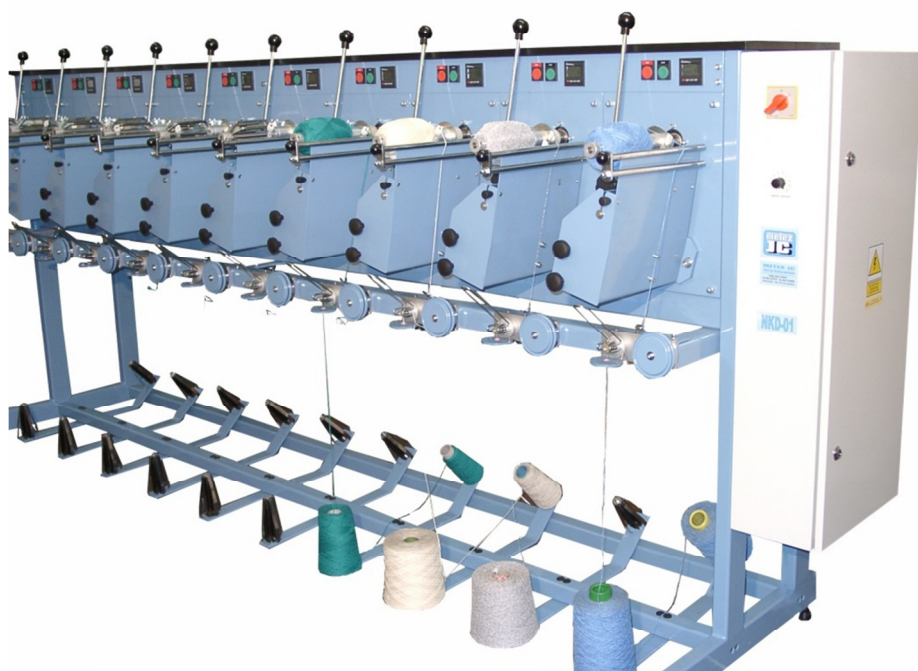




NKD – 01 Winding machine for knitting yarns



Machine application:

Ball winding machine NKD-01 is used for yarn transfer into knitting balls with cross winding as applied in retail. Banding of balls is made by hand.

Machine description:

The machine is designed as one-sided machine with 10 winding points. Each of the points has its individual drive and may be turned on and turned out independently one from each other. Only a winding speed is being adjusted centrally because all engines are powered by one inverter.

Each point is equipped with:

- a spindle
- a guiding mechanism
- a meter counter
- a cymbal tensioner
- two holders for supply packages (with an option of joining packages with a reserve bunch)

Receive package have a precise crosswinding with an angle of crossing equal to 120° . Selection of the crosswinding density is being executed by means of stepless change of ratio between a spindle and a guiding mechanism. Regulating knob is located in an easily accessible place on a front plate of the winding point and thus makes it possible to change the ratio during the operation of the point itself.

In the case of broken or missing yarn a signal transmitted by a stop motion stops the winding process at a given point. Similarly, the point is being stopped when the counter indicates the targeted yarn length.



Technical data of winding machine for knitting yarns NKD-01:

Description:	Unit:	Quantity:
Number of winding points	pcs	10
Yarn thickness	tex	150 – 900
Feed bobbins:		
Spinning packages:		
- inner diameter of a bobbin	mm	47
- max. length	mm	450
Winding, conical 4°20':		
- inside hole diameter	mm	58 / 33
- bobbin length	mm	170
Winding, cylinder:		
- inside hole diameter	mm	50
- bobbin length	mm	97
Receive bobbin:		
- length	mm	120 – 200
- max. diameter	mm	110
- mass per one package	g	50 – 100
Rotations of spindles	rpm	200 – 600
Max. traverse of the carrier	mm	230
Overall dimensions (length x width x height)	mm	3330 x 770 x 1480
Power installed	kW	1
Power supply	V	3Ph 400 N/PE
Control voltage	VDC	24
Supply voltage frequency	Hz	50 – 60
Noise level in the place of work	dB	60