



## NSP – 20 Precise string winder



### Machine application:

The standard-design precise string winder NSP-20 is thought to wind string with diameter from 0,5 to 6 mm onto cylindrical beams with a precise winding net. The beams are formed on cylindrical paper bobbins. String can be feed from cylindrical bobbins as well as from sliver cans.

### Machine description:

Basic machine mechanisms such as: guide box, spindle, motor drive, tension-control system are compact. In the lower part of machine there is a spindle with a brake and a compensating and tensioning system. Feeding bobbin is placed on this spindle. In the event of exceeding the permissible tension of string, the tilting arm of the compensation and tensioning system causes immediate disconnection of the drive motor.

Precise winding net structure for various string thickness is achieved by varying the ratio between the screw shaft driving thread-guide and the spindle. This ratio is achieved by the selection of toothed wheels. The spindle is equipped with a vibration damper which guarantees the quality and hardness of the beam.

The machine is equipped with the following stretch and control elements:

- string missing sensor, sensor for exceeding the admissible string tension, beam diameter sensor
- wound-string length meter
- plate tensioner



## Technical data of precise string winder NSP-20:

Description:	Unit:	Quantity:
String thickness	mm	0,5 – 6,0
Receive bobbin:		precision-cylindrical
- max. length	mm	240
- max. diameter	mm	240
Receive package bobbin:		paper-cylindrical
- length	mm	260
- inside diameter	mm	20
Winding speed (stepless regulation)	m/min.	75 – 225
Overall dimensions (length x width x height)	mm	600 x 800 x 1500
Weight of the machine	kg	80
Power installed	kW	0,45
Power supply	V	1Ph 230 N/PE
Nominal current	A	4,2
Control voltage	VDC	24
Supply voltage frequency	Hz	50 – 60
Noise level in the place of work	dB	60