



## SS – 20 String twisting frame



### Machine application:

The string twister SS-20 is designed to produce strings and lines. The product are widely used owing to large possibility of applying various raw material types, linear density and length of lay.

### Machine description:

The machine enables the production of twisted three-strand string as well as the single-stranded one.

On the machine, the following can be listed:

- The first twisting zone, where individual strands are twisted (I TWIST) – consisting of 3 spool holders. Each spool is individually mounted on a swinging holder and is equipped with a yarn tensioner, winding brake, twisting arms and a lack of raw material sensor.
- The second zone, where all the strands are twisted into one string (II TWIST) – consisting of a pulling unit, a receiving bobbin holder, a guiding unit and twisting arms. The whole system is mounted on a swinging holder and the number of turns per meter can be adjusted by changing the toothed gears.

Owing to the machine drives equipped with inverters, idler wheels and sensors, the machine operational parameters can be easily changed and the correct machine operation can be ensured. The electrical installation of the machine is placed in a metal cabinet at the back of the twisting machine. At the front of the machine there are buttons: START, STOP, JOG, EMERGENCY STOP and a touch control panel.

The twisting machine makes it possible to produce a string with a final "Z" or "S" twist.



## Technical data of string twisting frame SS-20:

Description:	Unit:	Quantity:
String thickness	mm	1 – 9
Spindles rotary speed (I twist)	rpm	up to 1540
Spindles rotary speed (II twist)	rpm	up to 620
Twist per meter	1/m	40 – 93
Twist direction		S or Z
Feeding bobbin spool:		Disk spool
- hole diameter	mm	33
- length	mm	166
- inner diameter of the disc spool	mm	117
- outer diameter of the disc spool	mm	255
Receive bobbin:		
- max. diameter	mm	300
- length	mm	280
Exemplary productivity (depending on the number of twists per meter)		
- for 40 twist/m	m/min.	22,8
- for 75 twist/m	m/min.	16,5
- for 93 twist/m	m/min.	13,2
Overall dimensions (length x width x height)	mm	3200 x 1500 x 1670
Weight of the machine	kg	500
Power installed	kW	3
Nominal current	A	4,5
Power supply	V	3Ph 400/230 N/PE
Control voltage	VDC	24
Supply voltage frequency	Hz	50 – 60
Noise level in the place of work	dB	80