



PROSES YARN SETTING & CONDITIONING MACHINE



Proses Mekatronik

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Yarn setting and conditioning machine is designed for all kind of natural and artificial yarn.

Proses setting machine is good option for you. You don't need to pay more for better result in conditioning.

We are making conditioning machine more than 15 years and having more than a hundred customer all over the world. Fast service and spare parts available worldwide.

The vessel and all piping are made good quality stainless steel. The machine consist of advanced automation components, technology and knowledge. High efficiency two-stage high performance, maintenance free vacuum pump, and well programmed plc controller.

Autodoffer system are available for pallet and cone trolley.

ADVANTAGES

A

- compact construction, more cone in small size
- technology based on, saturated steam, vacuum and indirect heating
- high vacuum with efficient vacuum pump
- homogeneous heat and steam penetration in cones
- convenient for all natural and synthetic threads
- full automatic working
- low energy consumption
- low maintenance
- fast service and spare parts available worldwide.

BENEFITS

B

- weight and moisture gaining
- less fuzz and electrostatic
- stronger, elastic and less snarling yarn
- improvements of yarn elongation
- improvements knitting and weaving performance

USAGE

C

- 40 – 140 ° C for cylinder machine
- 40 – 110 ° C for box machine
- cotton conditioning and moistening
- polyester twist setting
- hank bulking
- colour setting for fancy hank or cone



Set up & Configuration

<i>Configuration</i>	<i>Cylinder</i>	<i>Box</i>
Operation temp	40 – 140 °C	40 – 100 °C
Capacity per batch	250 – 2000 kg	650 – 3500 kg
Diameter/height	1540 / 1800	2700
Width	1400	
Length	1500 - 8000	2700 – 10100
Heating system	Electrical/steam/combined/inject	Electrical/steam/combined/inject
Loading system	Autodoffer – roller drive	Autodoffer – roller drive





technical data

Loading Option

- cone carrier
- hank carrier
- basket for small cone
- autoloader

Set up option

floor level, under floor level

Vacuum System

high tech vacuum pumps, silent, vibration free and low maintenance. Up to %97 (740mmHg) vacuum @15 ° C service water

Heating System

indirect heating system, electrical, steam or both.

Security System:

equipped with, pressure transmitter, pressure switch, pressure spring valve

Process Time

The process time including getting the steam indirectly is about 38-60 minutes. (@50–65°C, 30 min)

Control System:

- i. totally interactive user friendly controlled
- ii. easy follow up process data with the 7.1" touch screen
- iii. graphic demonstration pressure and temperature values
- iv. alarm display, alarm summary
- v. easy setting recipe preparation
- vi. big memory to save multiple recipes



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