

PRASHANT WEST POINT

Multi-Cylinder High Speed Sizing Machine



Direct Warper



Leading the way in Jute warp preparation

SIZING PACESETTER-E-JUTE WITH SPRAY TECHNOLOGY

BEAM THAT UNWIND SMOOTHLY

- Stationary and Magazine creel with modular design for varied product mix.
- Thread tension is measured by load cell and controlled through PLC in closed loop system.
- Efficient braking system for each beam.
- Guide rollers for proper warp separation.
- Separate pneumatic circuit for brake in case of power failure.

VERTICAL SIZE BOX G-MODEL

- Innovative vertical pullout system for superior performance.
- Compact configuration for saving of space.
- Lower size liquor consumption per set.
- Very easy to attend yarn sheet from every angle.
- Size Vat made from stainless steel; direct and indirect heating; designed to offer low liquor ratio
- Pneumatic Squeezing operation with step less high squeeze pressure

HEAD STOCK

- Beam Flange : 800 mm; 1000 mm or 1250 mm diameter
- Working width : 1800 mm up to 4000 mm
- Robust design facilitates trouble free beaming operation, while maintaining uniform tension across the width
- Pneumatic Beam Pressing device with twin roller system
- Strong beam carriage with multiple shaft traverse
- Motorized parallel / zigzag comb

OPTIONAL EQUIPMENT

- Beam Let off device
- Size Cooker
- Storage Vessel
- Waxing device

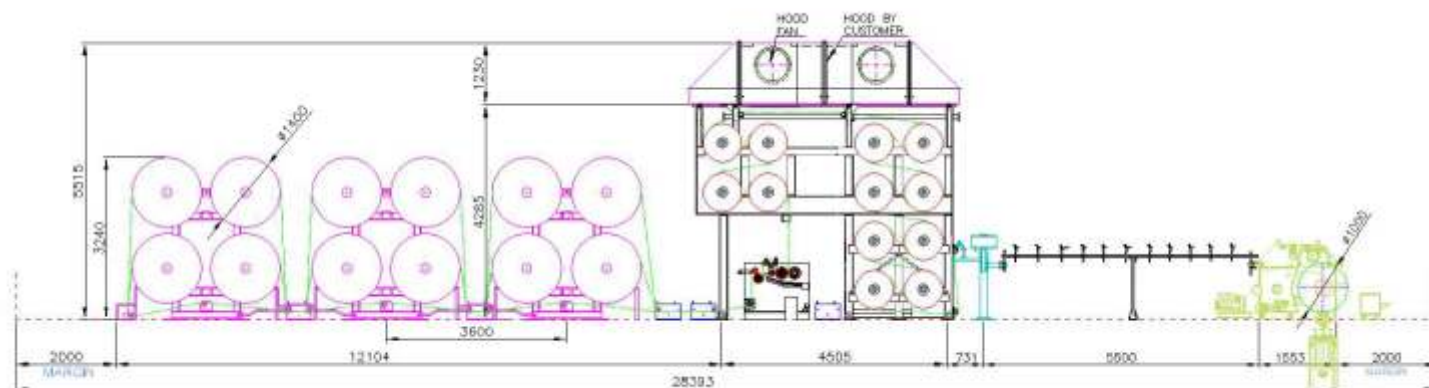
DRYER

- Available from 8 up to 16 Cylinder dryers
- Drying cylinder made from stainless steel
- Split dryer in configuration like Synchro 2 and Synchro 4
- Positive drive by means of duplex sprockets
- Pre dryer and final dryers can be arranged vertically or horizontally as per the requirement.
- Dry lease tension between drive motor and delivery motor is maintained through precise control via load cell and PLC.
- Cylinder temperature is controlled via process controllers.
- Yarn tension is maintained at the pre-determined value.
- Moisture is measured after final dryer and regulated through digitally controlled drive system.



CONTROL SYSTEM

- AC Frequency controlled Drive
- Uniform Stretch Control
- Moisture Indicator
- Temperature Indicator



DIRECT WARPING MODEL: MPW-JUTE (Ø 800 TO Ø1400)

GOOD WARPING IS HALF SIZING

Construction

Extremely sturdy and robust structure for vibration free operation.

Quick and Efficient Braking

Special type of hydraulic caliper brakes are used on both side of beam, will help to stop the machine instantaneously at the maximum speed. It will eliminate the chance of lost end in beam, even if it runs at maximum speed. This brake is maintenance free except the liner. Caliper brake is used in Press Roller and Measuring roller. Both rollers stops simultaneously to avoid any length variation.

Press Roller

A good quality of warp beams can be produced with respect to uniform hardness and density with a system of hydraulically actuated pressure roll with a kick back arrangement. Unique design of M.S. Hardrock rubber covered press roll. During stop signal it retract from the beam for a while to avoid the rubbing or abrasion of the yarn. It is having very smooth surface and dynamically balanced.

Measuring Roller

The processed ends are guided to the beam by means of hard chrome plated dynamically balanced measuring roller. It is equipped with Caliper brake which stops the roller instantaneously during machine stop to avoid any length variation.

H CREEL: Magnetic-M-JUTE

Magnetic Tensioner (MT)

It consists of ballon breaker disc, thread guide, twin disc and a magnetically calibrated knob. Yarn tension can be adjusted by turning magnetic knob marked with scale. Constant tension throughout batch run.

Sheet Vacuum System (Optional)

Powerful suction system removes loose lint and fluff from the yarn sheet. It helps to eliminate the contamination of fluffs in next process and improves the productivity in the process of sizing and weaving.

Perfect Yarn Build Up

Pre-set pressing force on press roll in conjunction with uniform thread tension ensures absolute cylindrical yarn built up, uniform hardness and density of a warp beam.

Suction Device :

To prevent dust accumulation in and behind comb, a powerful suction device is provided above comb area. It will remove fluffs and improve performance in next process.

Expandable Comb

Comb is provided with expansion/retracted & oscillation movement through geared motor.

Process Monitoring

Colour graphic touch screen display with user friendly software to monitor length, stoppage, end breakage, shiftwise production etc.

Safety Provision

Safety bar for operator protection. It is inter locked.

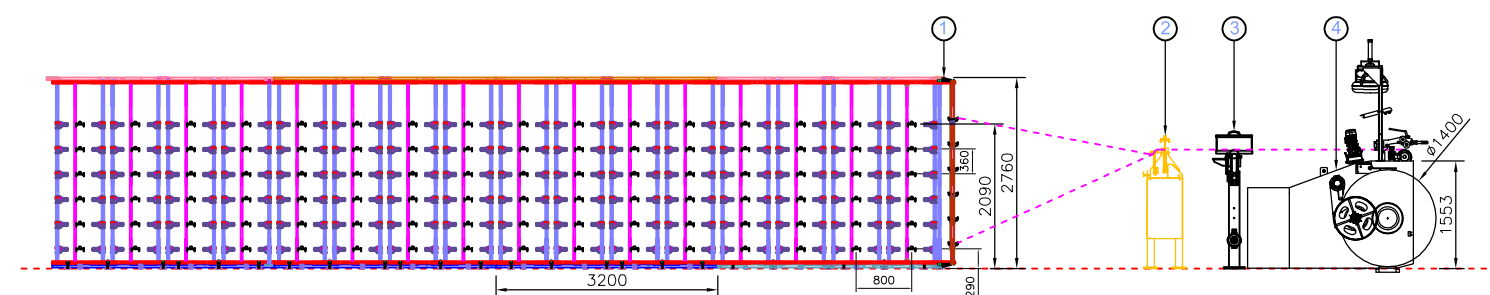
Automatic Doffing

Hydraulically powered extremely smooth beam doffing & donning.



Waxing/Oiling/Watering System (Optional)

It consists of 2 guide rolls and one waxer roller. It is geared motor driven to apply water/oiling in synchronisation with the machine speed.



ASSEMBLY & TESTING



Lush Green Environment



Assembly Shop

R & D CENTER



Corporate Office



Design Studio

OUR OTHER RANGE OF PRODUCT



PRASHANT GAMATEX

Sectional Warping Machine

- Robowarp
- Techtronic
- Lasertronic Plus
- Lasertronic
- Servotronic
- Simpletronic
- Supertronic

Warping Creel

- Hi-tech centrally controlled tensioner type CB / CFD
- Individually controlled tensioner type PT

Sizing Winder

Beam to Beam Rolling Machine



PRASHANT WEST POINT

Direct Warping

- V Creel & H Creel

Sizing Machine

Polybeamer & Unrolling Creel

Indigo Sheet Dyeing Range

Indigo Rope Dyeing Range

Denim Preparation Equipments

- Ball Warper
- Long Chain Beamer
- Beam to Cone Winder

Cone to Cone Sizing

Direct Warper for Filament



PRASHANT FERBER

Warp Beam Handling System

- Completely Motorised Beam Loading & Transportation Trolley
- Manual Beam Loading & Transportation Trolley
- High Lift Trolley
- Double Beam Trolley
- Fabric Roll Trolley
- Empty Beam Trolley

Winding

- Batching Motion

Storage System

- Cloth Roll Storage
- Beam Storage

Inspection and Finishing



PRASHANT WEST POINT MACHINERY PVT. LTD.

(An ISO 9001:2015 certified company)

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