

PRASHANT WEST POINT

Direct Warper Model : MPC



The Cutting-edge Advantage

GOOD WARPING IS HALF SIZING

Construction

Extremely sturdy, robust and compact structure for vibration free operation.

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.

Yarn Uncrossing Device

Prevents automatic crossing of yarn during machine start, ensuring straight arrangement of yarn path.

Process Monitoring

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

Safety Provision

It is inter locked. Protection hood covering entire head stock in front side for operator protection.

Automation and Control

The entire warping operation is monitored and controlled by advanced electronics.

Touch screen type colour graphic display with user friendly software helps setting and monitoring of various process parameters.



TECHNICAL SPECIFICATION OF MPC

Type : Spindle Driven

Width : 1400 - 2800 mm

Dia : 800 - 1250 mm

Speed : upto 1200 mpm

Quick & Efficient Braking

Special type of hydro-pneumatic caliper brakes are provided on both side of beam to stop the machine instantly. It will eliminate the chance of lost end in beam, even while running at maximum speed. The brake is maintenance free except for the liner. Air craft type of brake is used in Press Roller and carrier roller. Both rollers will stop simultaneously to avoid any length variation.



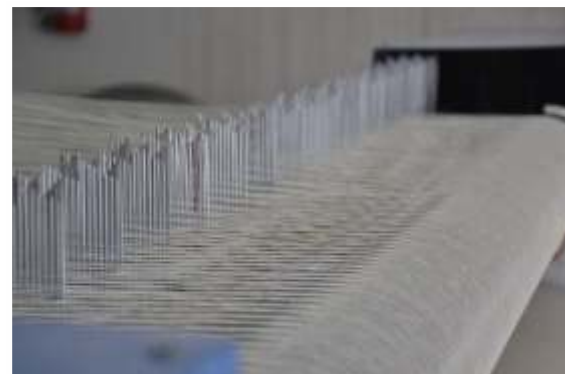
Pressure Roller

A good quality of warp beam with uniform hardness and density can be produced by a system of pneumatically actuated pressure roll with a kick back arrangement. It is made of hard impregnated paper tube and hence is light weight & maintenance free. During stop signal, it retracts to avoid the rubbing or abrasion of the yarn. It is dynamically balanced and has smooth surface. Provision of encoder on pressure roller ensures precise length measurement.



Carrier Roller

Processed ends are guided to the beam by means of hard anodized and dynamically balanced carrier roller. It is equipped with aircraft type brake which stops the roller instantly during machine stop.



Expandable Comb

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

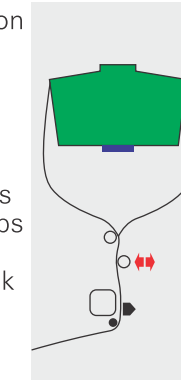
Automatic Doffing

Motorized chuck in-out for donning & doffing of beam. It is easy and safe. In case of machine suitability for 2 different dia, (800-1000 or 1000-1250) it is controlled via hydraulic operation.

V creel

Structure

Sturdy structure arranged in 'V' configuration having two wings with a thirty five degree wing spread.



Electronic Stop Motion

In the event of a warp break, our high tech non-contact type system instantly activates the yarn clamping device and there by stops the warping machine quickly. Each vertical package row has an indicator light for quick locating of the broken end.

Integral Air Blowing Device

Individual lint blow off system is provided with each end.

Tension Bars

A two bar tension system is located between each stop motion post and package post. The mechanism activates during start-stop and stand-still position, which compensates the yarn tension of the creel and prevents the snarling at the time of machine stoppage.

Yarn Cutter Device

Both creel wings are equipped with yarn cutting assembly. It cuts yarn end at a beam change, as operator moves the cutter assembly outside of each wing. Once the yarn is cut, the reserve packages are ready to be rotated into the active position.

Creel Changes

Each wing is independently rotated from push button stations. Removing the depleted packages and creeling of a new reserve lot may take place while the packages in the run position are being warped.

Creel Configuration

Horizontal Pitch*	Vertical Pitch*	Max. Package*Ø	No. of Tires	Running Threads (Number of ends)											
				504	594	648	738	792	882	936	1026	1080	1170	1224	1314
240	240	230	9	504	594	648	738	792	882	936	1026	1080	1170	1224	1314
	270	255	8	448	528	576	656	704	784	832	912	960	1040	1088	1168
	305	265	7	392	462	504	574	612	686	728	798	840	910	952	1022
	350	278	6	336	396	432	492	528	588	624	684	720	780	816	876
	435	305	5	280	330	360	410	440	490	520	570	600	650	680	730
320	240	230	9	378	450	486	558	594	666	702	774	810	882	918	990
	270	260	8	336	400	432	496	528	592	624	688	720	784	816	880
	305	295	7	294	350	378	434	462	518	546	602	630	686	714	770
	350	340	6	252	300	324	372	396	444	468	516	540	588	612	660
	435	365	5	210	250	270	310	330	370	390	430	450	490	510	550

*Dimensions in MM

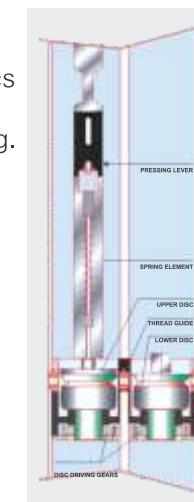
H creel

- Quick and simple threading of yarn through two pairs of discs and three guide eyelets.
- Centrally controlled tensioners for entire creel tension setting.
- Positive spring loaded tensioning device for uniform and constant tension.
- Continuously rotating tensioner to avoid deposition of fluff.
- Integrated air blowing device (Optional)

Package dia : 180 / 230 / 270 / 305 mm

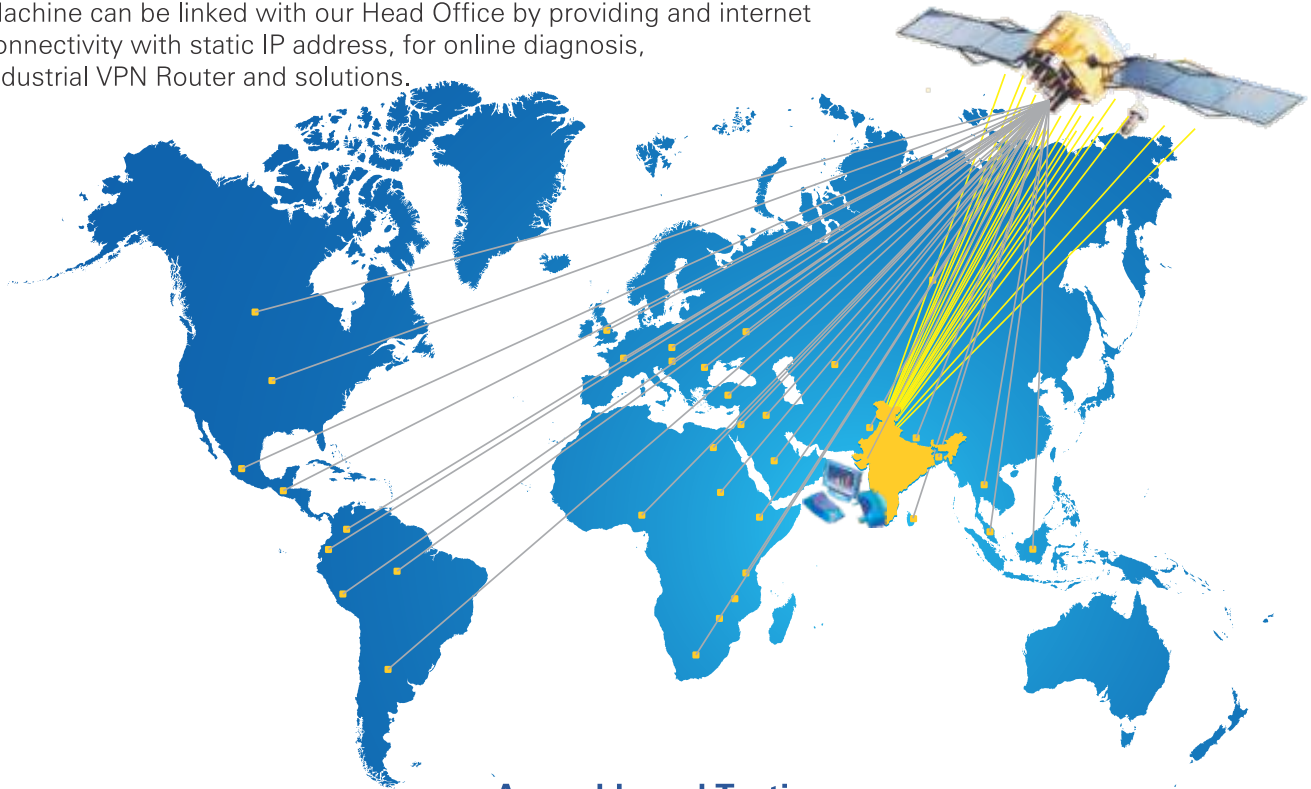
Vertical tier : 8 / 7 / 6

Pitch : 240 / 280 / 320 / 360 mm



Remote Sensing Facility

Machine can be linked with our Head Office by providing and internet connectivity with static IP address, for online diagnosis, Industrial VPN Router and solutions.



Assembly and Testing



lush green environment



factory building

R & D Center



corporate office



design studio

Specifications are subject to change due to continuous technical developments.

We also offer Sizing Machine, Indigo Sheet Dyeing / Rope Dyeing Equipments and Polybeamer



PRASHANT WEST POINT MACHINERY PVT. LTD.

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