

Pioneer in Calender Machine



CALENDER MACHINE

In Concern with us

Excellent Engineering & Innovations in performance by Pioneer **Prabhat Since 1968** customer-centric approach that enables **Prabhat Textile Corporation** to truly enrich and empower its customers in India and abroad with cutting-edge solutions. This unique brand of smart engineering has helped **Prabhat** build business and relationships on the very foundation of customer satisfaction. No wonder, **Prabhat** has carved a special niche for itself among the leading manufacturers for textile processing, finishing and allied industries.

Workmanship, Designing & Innovation

At **Prabhat**, we design, develop and deliver an extraordinary line-up of state-of-the-art **textile, technical textile, non woven, paper & jute** machinery including Calender Machines, Calender Machine's Bowl, Vertical Drying Range, Chainless Mercerizer, Open and Close Type Jumbo Jigger, Compressive Shrinking Range, manufactured to global standards of excellence.

Technology that's Tested and Trusted from last 5 Decades

There's trust in every thread and our customers count on it! Some of the biggest brands in fashion fabrics, furnishings and industrial textiles emerge from the womb of **Prabhat Textile Corporation** displaying in full glory their quality and character-be it the soft-n-smooth luxurious. With **5 Decades** of experience, **Prabhat** has developed a high level of sensibility to the special needs of customers and provides them with the right machines, at the right time and of course, the right pricing.

State-of-the-art. Straight-from-the-heart

Prabhat's sprawling with 04 modernised plant is located in the vibrant and energetic industrial town at Vatva, Ahmedabad, Gujarat. But there's more to textile machinery than just mechanical, electrical and electronic components. The Company has a dynamic Design and R & D Team which is setting new benchmarks thanks to its inspired efforts to raise the bar of excellence.

Mother & Plant (Since 2004)

India's quality conscious calendar bowl manufacturer and exporters with complete range of calendar bowl such as cotton bowl, paper bowl, polyamide bowl, non woven squeeze bowl In sound workshop with well equipped high pressure hydraulic press and new generations technology to produced class of each bowl

Despan Rubber Industries (Since 1990)

We are one of the leading manufacturer and exporters of zero zero runner blanket, it's used for shrinking fabrics such as cotton, silk, wooden, terry-cotton, polyester and denim.

Most Valued Brand with us



7 BOWL CALENDER MACHINE

PTC 007

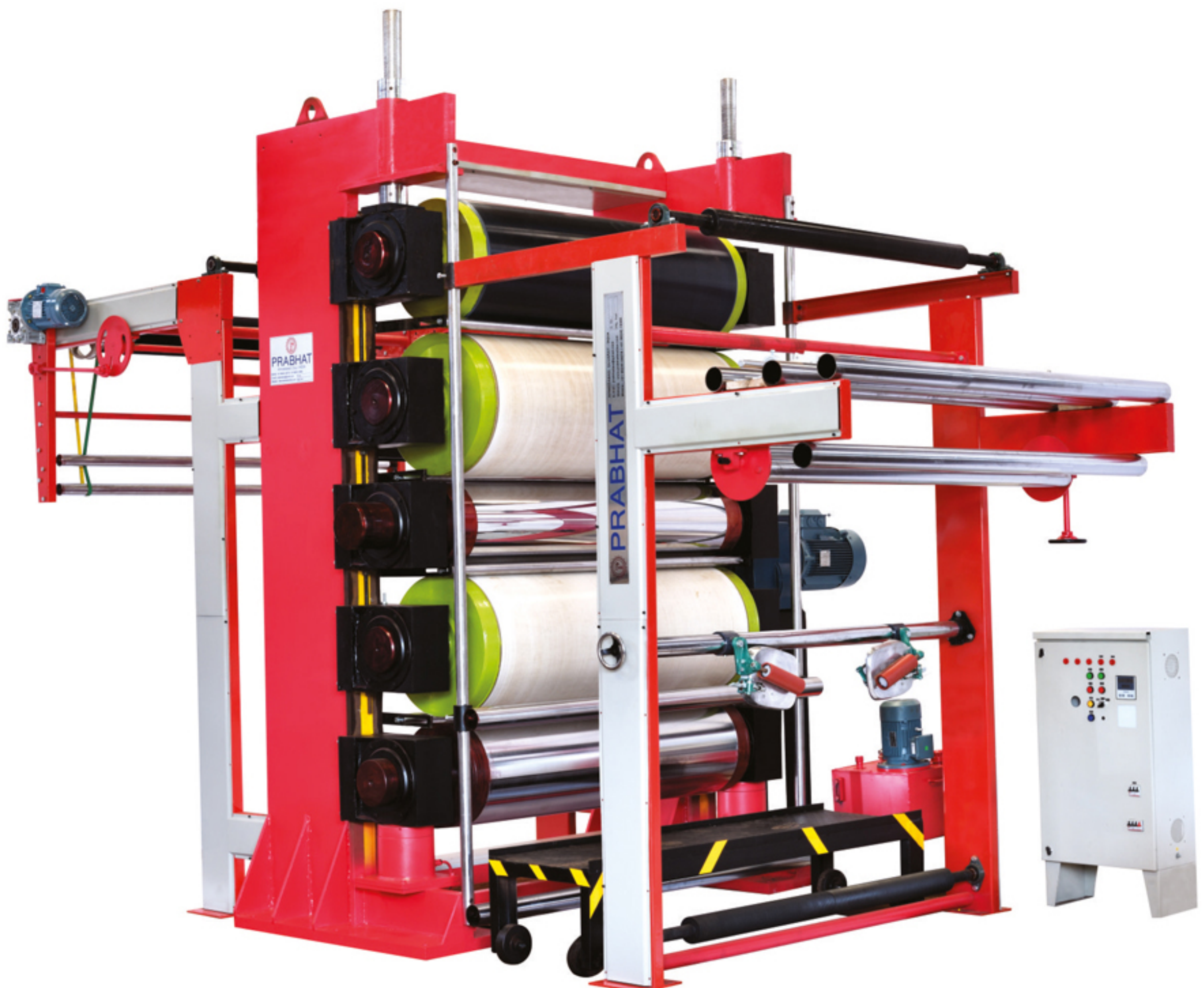


Combination	2 / 3 / 4 / 5 & 7 Bowls
Bowl Width	900 to 4200 mm
Bowl Dia.	Steel Bowl 200-600 mm
	Cotton Bowl 400-610 mm
	Polyamide 500-600 mm
Production Speed	5-70 m/min.
Drive	AC Variable Speed Inverter Drive
Heating	Steam / Oil / Gas / Electric
Pressure	20-120 tons by Auto Hydraulic System
Guiding	Cloth Guider / Flat Expander
Safety	Finger Guard / Emergency Stop Button



5 BOWL HIGH PRESSURE CALENDER MACHINE

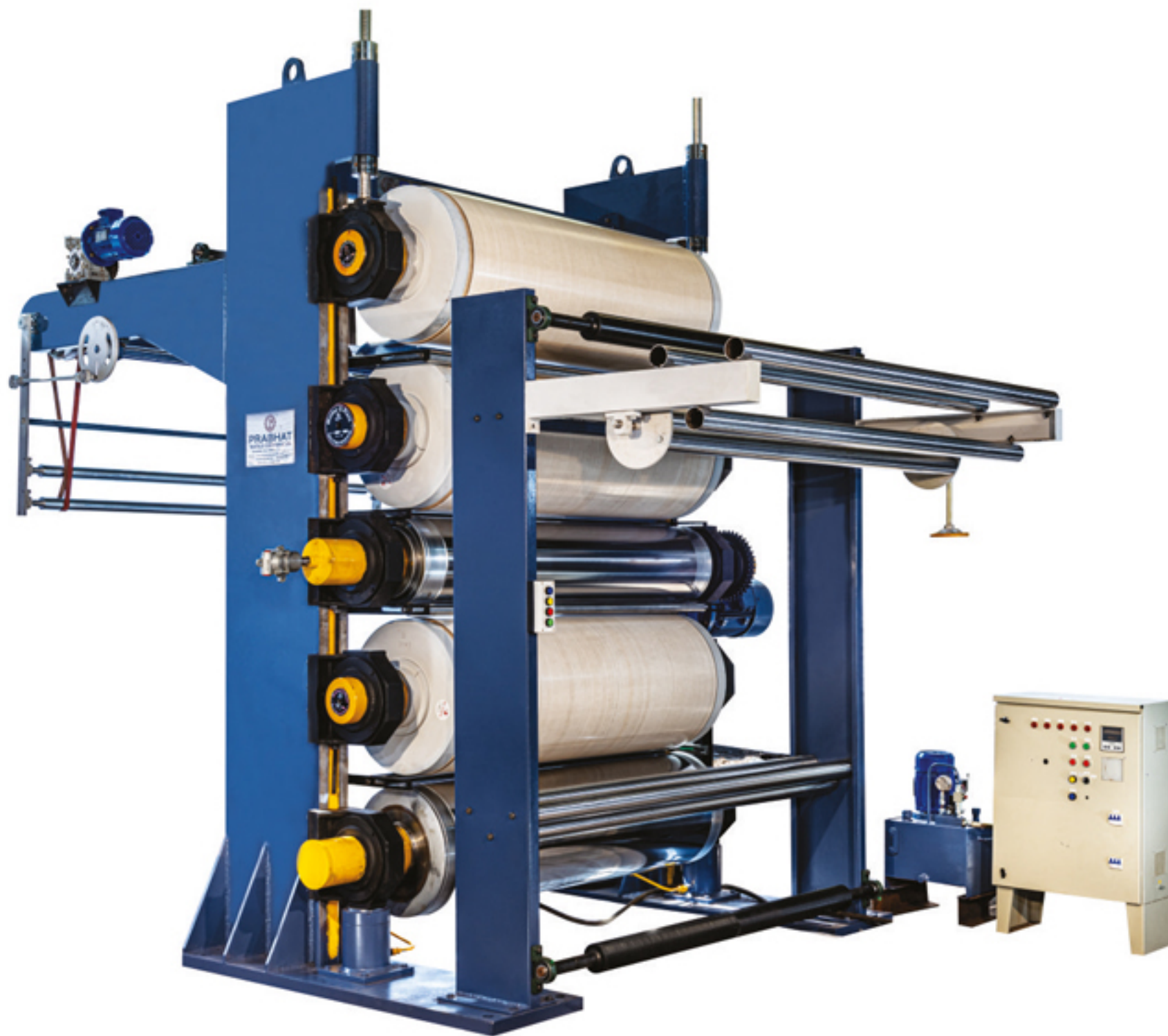
PTC H005



Combination	2 / 3 / 4 / 5 & 7 Bowls
Bowl Width	900 to 4200 mm
Bowl Dia.	Steel Bowl 200-600 mm
	Cotton Bowl 400-610 mm
	Polyamide 500-600 mm
Production Speed	5-70 m/min.
Drive	AC Variable Speed Inverter Drive
Heating	Steam / Oil / Gas / Electric
Pressure	20-120 tons by Auto Hydraulic System
Guiding	Cloth Guider / Flat Expander
Safety	Finger Guard / Emergency Stop Button

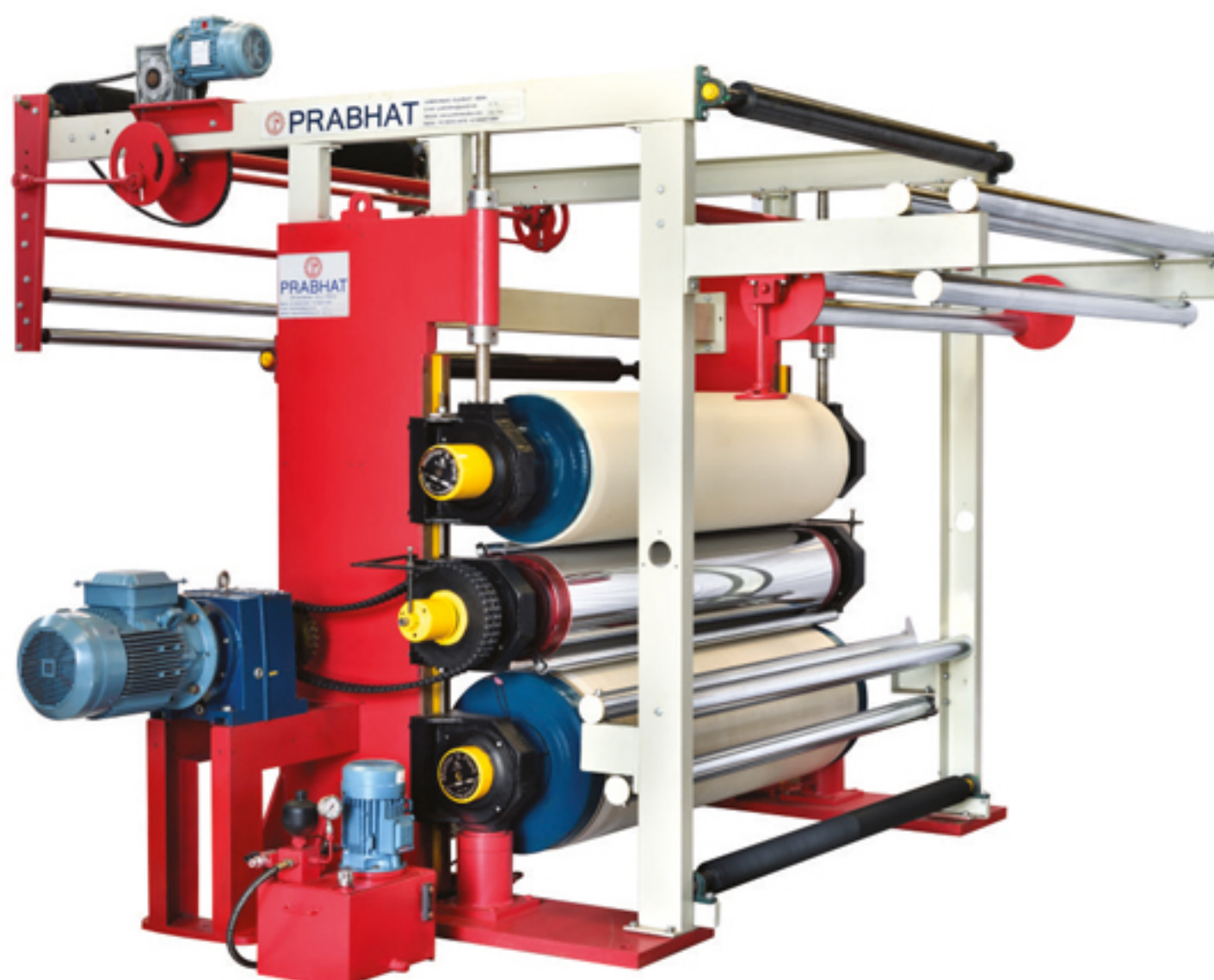
5 BOWL CALENDER MACHINE

PTC 005



3 BOWL CALENDER MACHINE

PTC 003



3 BOWL HIGH PRESSURE CALENDER MACHINE

PTC H003



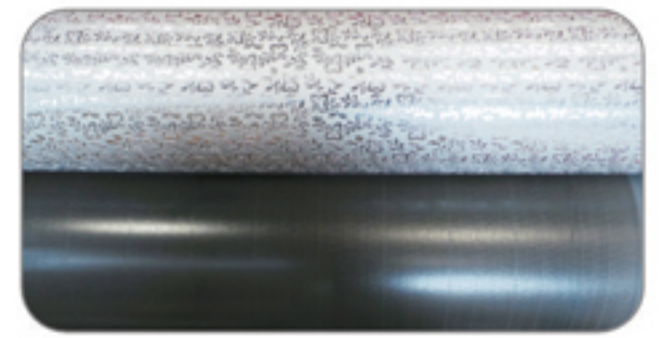
3 BOWL HIGH PRESSURE CALENDER MACHINE (L TYPE)

PTC L003



TWO BOWL CALENDER/EMBOSS MACHINE

PTC 002



LAB CALENDER MACHINE

PTC L02





Combination : 3 to upto 13 Bowl Machine

Bowl width	: 700mm - 4000mm
Bowl Dia	: Steel Bowl: 300mm - 800mm
Comber Cotton Bowl	: 400mm - 600mm
Polyamide Bowl	: 510mm
Machine Speed	: 05 - 300 M\MIN.
Pressure System	: Hydraulic
Un-Winding & Winding	: Load Cell 2-nos. Pneumatic Brake Air Shaft / Chuck

FELT MACHINE

PTC F01



DUPLEX FELT MACHINE

PTC F02



2 / 3 BOWL PADDING MANGLE WITH CYLINDRICAL DRYING RANGE

PTC 008



Padding Mangle

The frame of mangle is fabricated from heavy duty steel. All fabricated part of mangle are as shot blasted.

Squeezing roll are made of heavy duty mild steel pipe and covered with the best available rubber quality ranging from 75° shore hardness for intermediate upto 85° shore hardness for high extraction.

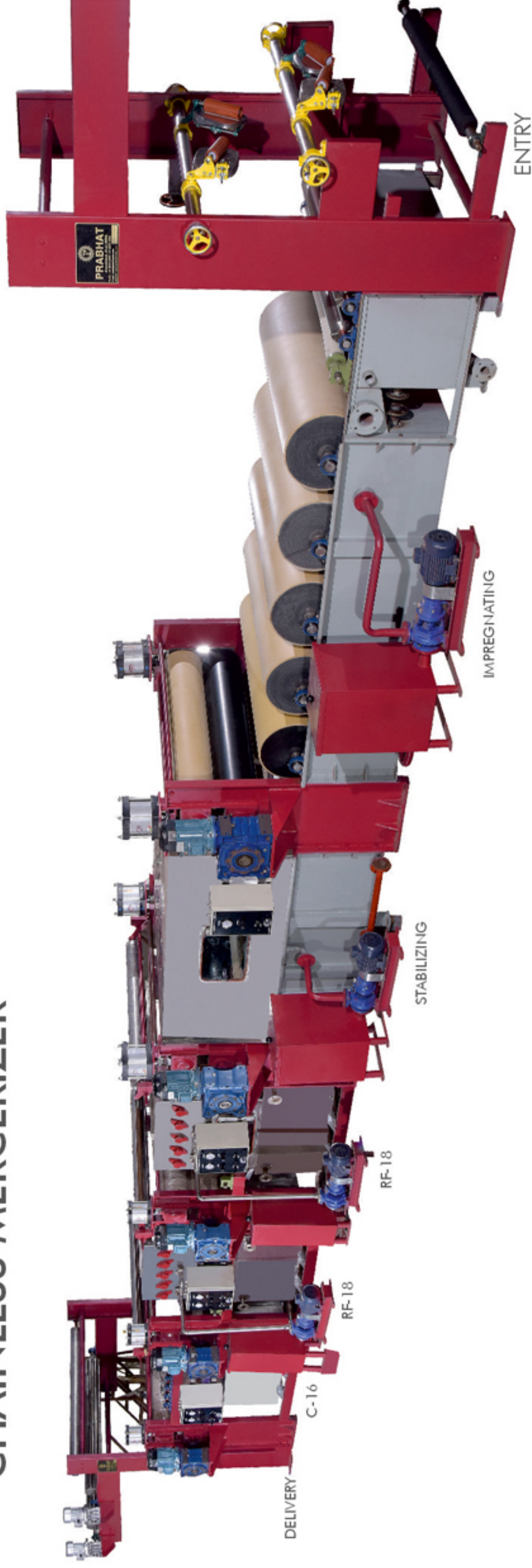
Cylindrical Drying Range

The frame of each stack consists of fabricated steel plates with interconnections. If machine consists of more than one stack, these are interconnected by means of fabricated frame.

For maximum drying capacity with minimum fabric tension cylinder drums with a dia meter of 800 mm, the cylinders have finely polished surface and their sides are provided with vacuum valves. The journals run in special heat resistant bearing pedestals. Admissible working steam pressure is 3.5 bar test pressure upto 5.25 bars.

Alternate cylinders driven through direct shaft mounted gear motor through AC inverter drive.

CHAINLESS MERCERIZER



PTC M07

Mercerizing in the treatment of cotton fabric with concentrated caustic soda under fabric tension. The objective is to achieve a high degree of mercerization thereby improving.

- Luster
- Dye uptake
- Tensile Strength
- Dimensional stability

High entry device with proper tension and crease free passage fabric feed to intensive impregnating zone is followed by reaction zone.

Highly effective stabilizing compartment. The final section comprises a highly efficiency washing and neutralizing zone.



Unmercerise



Mercerise

Technical Data

- Roller width : 1400 to 3500mm (140 to 350 cm)
- Mercerizing Technology : Chainless - Hot Mercerizing
- Feeding Mode : Heavy Fabric - Single Layer , Light Fabric - Double Layer
- Fabric Speed : 10 to 60 mtrs/min



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