

B.S. Engineering Company



Mfg. of Plywood Machines



veneer DRYER

B.S. Engineering Company

Office : 117, Raja Dinendra Street , Kolkata - 700 004 , India
Factory : Sanjua , Bibirhat South 24 Pgs - 743377

TOLL FREE : - 1800 208 8686

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COMPANY PROFILE

B S Engineering Company is the outcome of a journey starting in the year 1953, by Late. Mr. Dinesh Chandra Saha, in the field of plywood machine manufacturing in India. The legacy of expertise and excellence of Mr. Dinesh Chandra Saha in the plywood machinery manufacturing, was successfully carried forward by his younger son Late Mr Gour Kamal Saha, which earned the group reputation and recognition in the field of quality machine. With the blessings, philosophy and moto of founders of our journey, today we are managed by Mr Nilkamal Saha (grandson of late Mr. Dinesh Chandra Saha) and Ms Sudipta Saha (grand daughter of Late Mr. Dinesh Chandra Saha). With a hereditary experience and handholding experience of over 60 years, BS Engineering Company is today manufacturing, innovative and efficient Plywood machineries, using modern technologies. In 2014, based on an internal survey conducted, specifically to study the day to day problems faced by plywood owners, we started focusing more attention on Research & Development on our-make machines, with primary focus on providing maximum outcome with high efficiency and efficacy. Currently, our Bibirhat South 24 pgnos factory, have implemented advanced facility for R&S and has started production of customisable machines with complete new day features like addition of PLC and sensor on dryer for automation using software and getting the information in app. We promise to give timely solution and satisfaction, with regards to your requirements and our customized yet standardized products. We abide by our motto "Innovation with Satisfaction" and hope to provide solutions with the latest technology for all the Plywood Industries. We believe in the policy of clear pricing, for which one should not be worried about and maintain a faithful business relation throughout lifetime.

“ Innovation with Satisfaction ”



Salient Features

- Use of heavy 4inch rollers to increase the longevity without getting distorted and ensuring smoother dried veneer and better rolling
- Fins of higher width crimped along with ensuring better-dissipation of heat to the heating air
- More number of Fins per inch of tube ensuring more efficient capturing of heat from thermic fluid/steam
- Higher thickness of jet boxes ensuring no longitudinal and transverse twisting due to thermal stress
- Use of good quality body sheet from nationally procured suppliers.
- Use of channel section and not plate bended formed sections for roller stand ensuring better life of dryer
- Aerodynamic Guide Duct to ensure maximum delivery of air to the radiator and so minimum loss of heat.
- Ideal as a core veneer dryer for various species of cores based on site conditions.
- Modern technology panel board with AC Drive for controlling speed based on moisture and temperature.
- Use of PLC and sensors for automation and better management of output ratio through use of software which is provided as optional feature which makes us stand apart in the industry in the field of technology.
- Our In House teams for hand holding one stop solution for setup of Plywood Industry on turnkey basis.

Heating System

The heating radiators in our dryer are the heaviest with 18 coils in each set giving it an edge when heating is a concern and gives high heat radiation along our powerful air flow from our newly designed fans giving the optimum output.

Jet Box

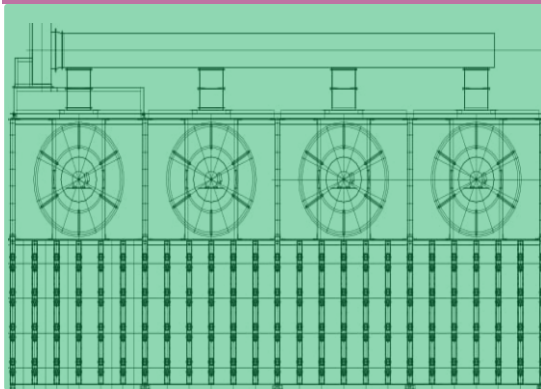
The most important component in a dryer on which uniform drying and longevity of dryer very much depends has been specially redesigned by us and the latest design has increased the output as well as the life of the jet box as compared to the options available in the market.

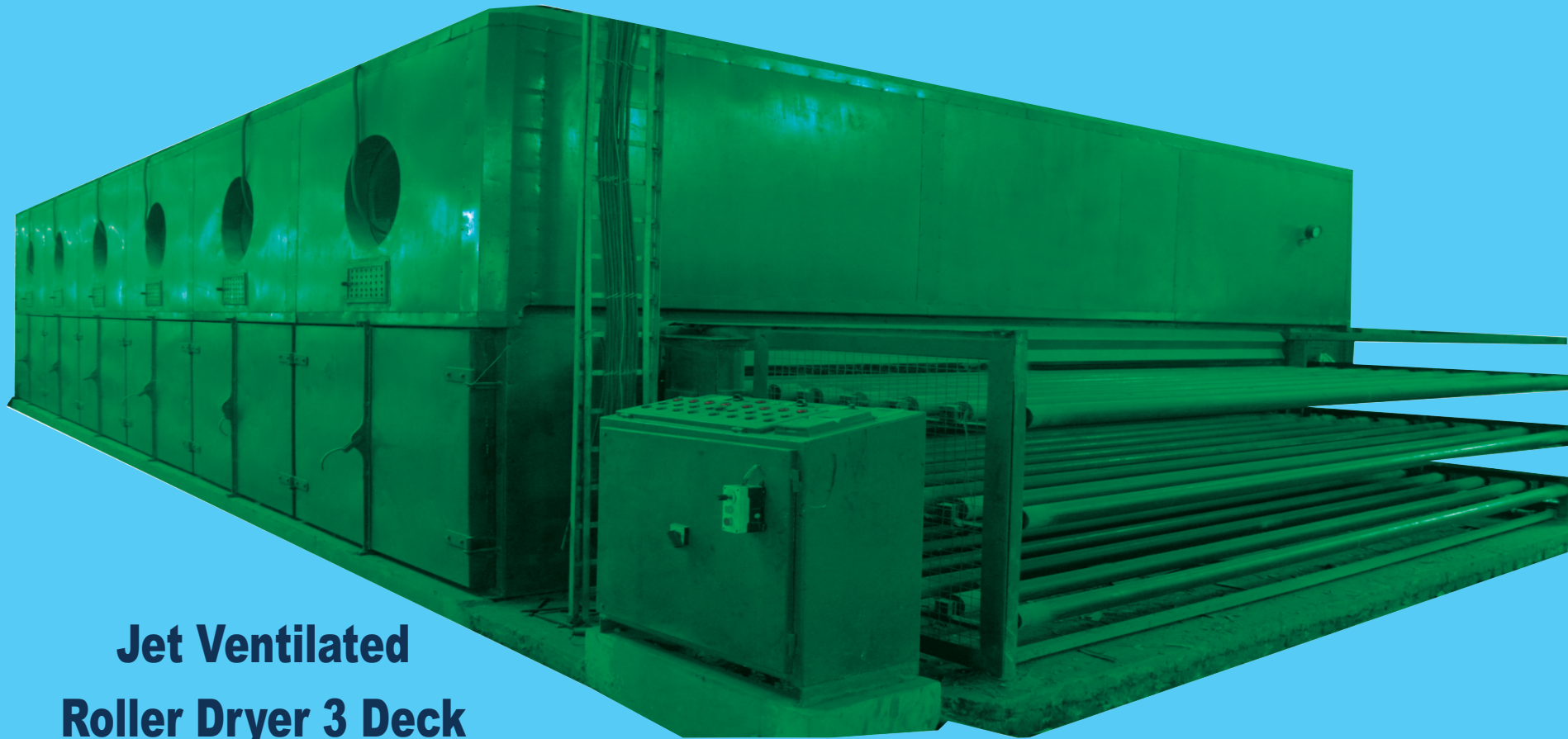
Fans

**New designed Fans with both options of 1000 and 1500 rpm
3HP 5HP 7.5HP 10HP**

Automatic Forced Exhaust System

As an optional feature now forced exhaust system we can control the moisture much better in the sections and timely force it out of the chambers automatically giving us better production output.





Jet Ventilated Roller Dryer 3 Deck

Technical Data for Core Veneer Dryer

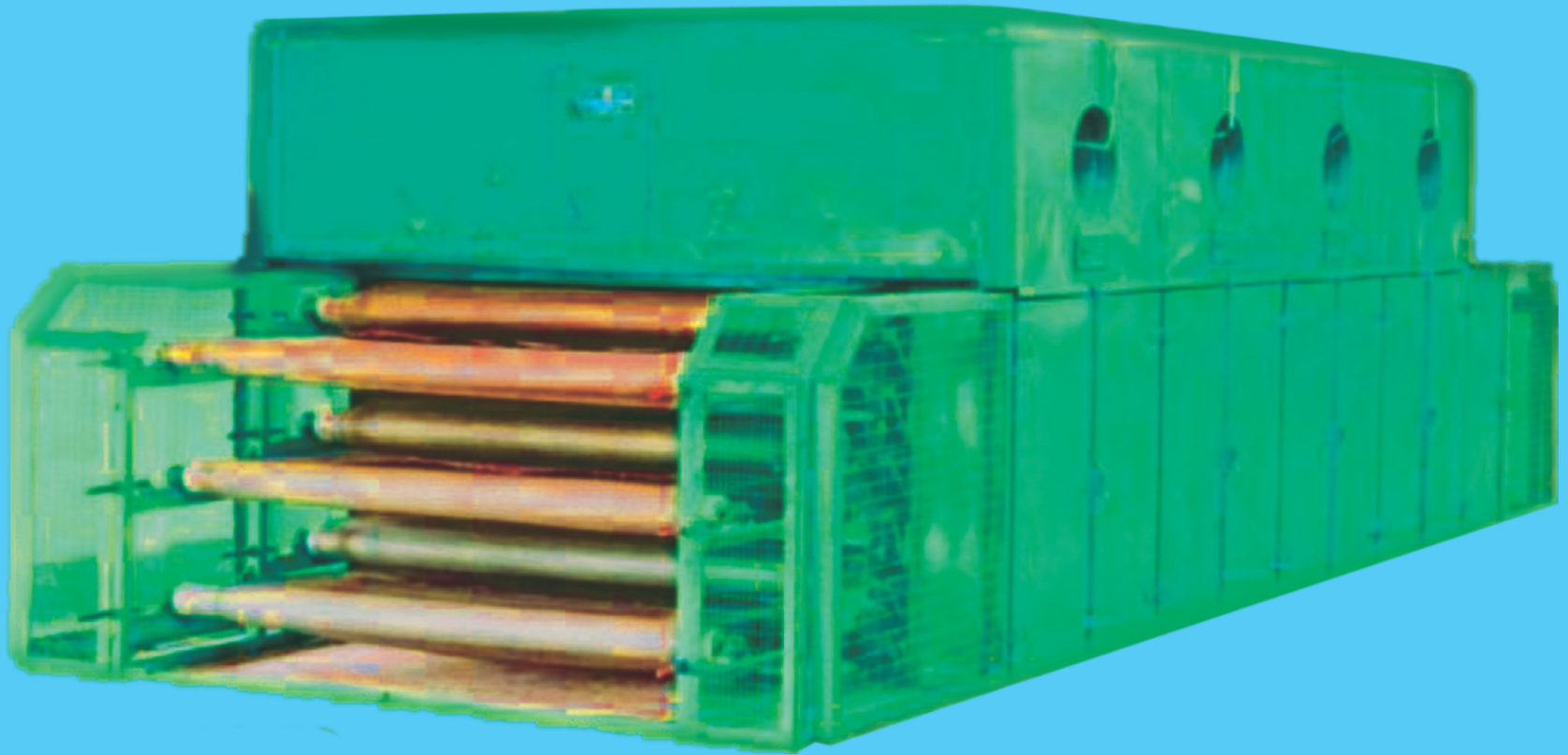
	Roller Specification		Production on 2mm basic for 24hours basis	Production on 2mm basic for 24hours basis		NO OF FANS	Heat Requirement@180 C	Heat Requirement@180 C
Jet Dryers	Roller Length	Roller Dia	Steam	Thermic Fluid	Power	Cooling	Steam Boiler	Thermic Fluid
4section 3 deck	4620mm	114mm	110000	135000	19HP	Double	700	320000
5section 3 deck	4620mm	114mm	135000	170000	22HP	Double	750	400000
6section 3 deck	4620mm	114mm	200000	230000	29HP	Double	950	600000
7section 3deck	4620mm	114mm	245000	265000	34HP	Double	1050	700000
8section 3 deck	4620mm	114mm	295000	330000	39HP	Double	1300	800000
10 section 3 deck	4620mm	114mm	350000	385000	44HP	Double	1550	1020000



Jet Ventilated Roller Dryer 4 Deck

Technical Data for Core Veneer Dryer

	Roller Specification		Production on 2mm basic for 24hours basis	Production on 2mm basic for 24hours basis		NO OF FANS	Heat Requirement@180 C	Heat Requirement@180 C
Jet Dryers	Roller Length	Roller Dia	Steam	Thermic Fluid	Power	Cooling	Steam Boiler	Thermic Fluid
4section 4 deck	4620mm	114mm	135000	165000	27HP	Double	750	380000
5section 4 deck	4620mm	114mm	160000	195000	32HP	Double	850	450000
6section 4 deck	4620mm	114mm	260000	300000	37HP	Double	1400	750000
7section 4 deck	4620mm	114mm	295000	340000	49HP	Double	1650	875000
8section 4 deck	4620mm	114mm	345000	390000	54HP	Double	1850	1000000
10 section 4 deck	4620mm	114mm	450000	500000	65.5HP	QUADRA	2400	1200000
12 section 4 deck	4620mm	114mm	550000	610000	90.5HP	QUADRA	2900	1500000



BAND DRYER
(WITH STEEL BAND CONVEYER)



Core Composer



Calibrator



Paddle Chopper



Commercial D.D. Saw



Scissor Lift



Caul Cooling Rack



Glue Mixture



Knife Grinder

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