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design by **kromatic**



PENTEK
TEXTILE MACHINERY

MISTYK

THE ENERGY OF STEAM RAISED TO NEW HEIGHTS!

MISTYK

Mistyk is the result of a working team of engineers and technologists with more than 30 years of experience in the designing and manufacturing steam agers for the textile industry and Pentek reknown experience in pad mangles. It is inspired by the Italian tradition of high-quality textile printing and finishing, maintaining a rock-solid tradition at its core, while embracing important innovations and updates.

If reliability and a thoroughly tested design represent the foundation of Mistyk, the recent development in the textile industry has brought a particular attention towards sustainability, user friendliness and precise cost control of operation. Mistyk is the answer to the new needs of a textile company in the two-phase printing sector and related steaming needs.

A WIDE RANGE OF SOLUTIONS

The Mistyk line includes 3 models, with single and double thread, depending on the required productivity: 6-10 meters of content, 11-18 meters and 20-32 meters to cover all needs. Further flexibility is offered by the double-chamber version of Mistyk to reduce the overall dimensions in the event of structural limitations. Applications for cotton and pes-cotton woven both for reacative and indanthrene printing, with different chemical recipes and processes

INDUSTRIAL VISION

Mistyk makes use of the new project specifications introduced on Geyser steamer, with the same sensitivity to steam efficiency and ease of maintenance. The steaming chamber is double-walled to allow the passage of steam. The roof of the unit is heated by a steam coil to prevent condensations. All bearings are external for easy greasing and we opted for direct drive gear motors, inverter driven, on each level of the unit instead of the conventional long distribution chains.

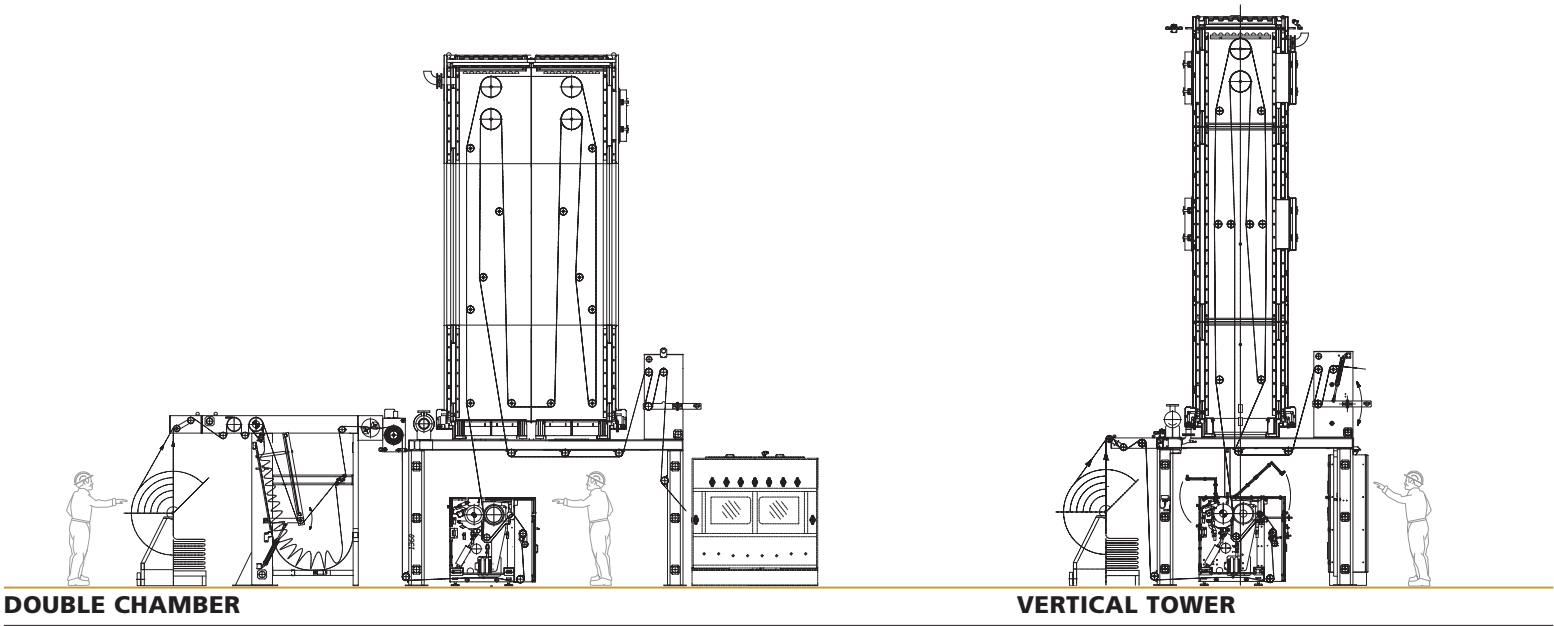


HIGH PERFORMANCE PADDER

Two-phase steaming involves the use of a padder with a chromed roller, high pressures and parallel rectification. More than twenty years of experience in impregnation and squeezing technologies gained by Pentek guarantees chemical uniformity all over the width, with a safe and reliable result along the time.

INNOVATIVE PROJECT AND CONTROLS

Mistyk introduces important innovative solutions compared to the conventional technologies, through an industrial design, with the utmost care of the process and reliability of the synchronisms, great attention to maintenance operations and process control with high quality standards, thanks to the use of SIEMENS components and latest devices for remote interconnection, real-time consumption monitoring and tele-assistance.



DATA SHEET

Mechanical Speed:	5 - 50 m/min
Rollers table width:	2200 - 2600 - 3400
Fabric content (3 Models):	6-12; 11-18; 20-32m
Dwell time:	12 - 220 sec.
Operating temperature:	130°C - 150°C
Pad mangle squeezing:	14.000 - 16.000 kg
Diameter pad mangle rollers:	320 mm - 375 mm
Saturated steam line pressure:	4 bars (151°C)
Installed Thermal Power:	57.000 kcal/h 90.000 kcal/h
Maximum Steam Flow:	550 kg/h
Compressed Air Line:	1/2" - 6 bar
Compressed air consumption:	20 NI/h
Installed Power:	78 kw
Air exhaust:	4.000 m³/h