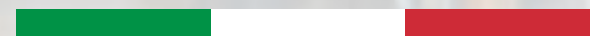




MATEX

The Evolution of Coating Machines



Matex Headquarter



Company

QUALITY, RELIABILITY, ITALIAN CHARACTER

OUR TECHNOLOGY IS DESIGNED TO SET THE HIGHEST POSSIBLE STANDARDS

Since 1973

Since 1966 Gino Troncon has been working in the field of designing and production of plants and machinery for the production of coated and laminated fabrics and nonwovens.

On the basis of this experience, in 1973 he decided to set up his own company with flexibility, innovation, quality and the customers' need for "tailor-made" solutions in mind.

Matex was born and over the years it has been increasingly confirmed by customers looking for these characteristics.

Today Matex technologies are working in various countries of the world, to produce the most different articles; its name and logo is known nationally and internationally thanks also to a network of agents in continuous expansion.

Mr. Troncon today shares this reality together with his sons and all his highly specialised staff who have been following him for years and have contributed to make Matex one of the leading companies in the sector.

More than 120.000 projects to meet customer's needs. From the first hand-made drawings to complete installations using the most advanced design software and mechanical simulations. Our design is constantly focused on making our solutions more technological, precise and safe.

We choose the best materials and components, which, thanks to the long experience and passion of our staff, become accurate detailed products for a long lasting life. Matex quality control starts from the earliest project phases to the final commissioning of the machines. Every Matex machine is the result of a specific strategy oriented to high quality manufacturing, appreciated on every daily use.

Entering Matex means establishing a direct relationship based on trust where every customer feels comfortable. A valuable asset gained through years of experience that has resulted in hundreds of machines installed in Italy and abroad.

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Matex Stab.2

To adapt Matex production to the increasing market requests, since 2020 the second Matex facility has been inaugurated very close to headquarter (200 meters).

The space of 2500 sqm is specifically dedicated to the production, construction and testing of drying oven.

Ovens are those parts of Matex plant which need more space. Thanks to this new facility production capacity have been greatly increased. Nowadays thanks to these two separated location and teams, workers skills improved granting better assembling quality with reduce time.

Stab. 3 will be next step....



A complete service to meet all needs



BRIEFING AND
PROJECT STUDY



PROJECT
CONFIRMATION



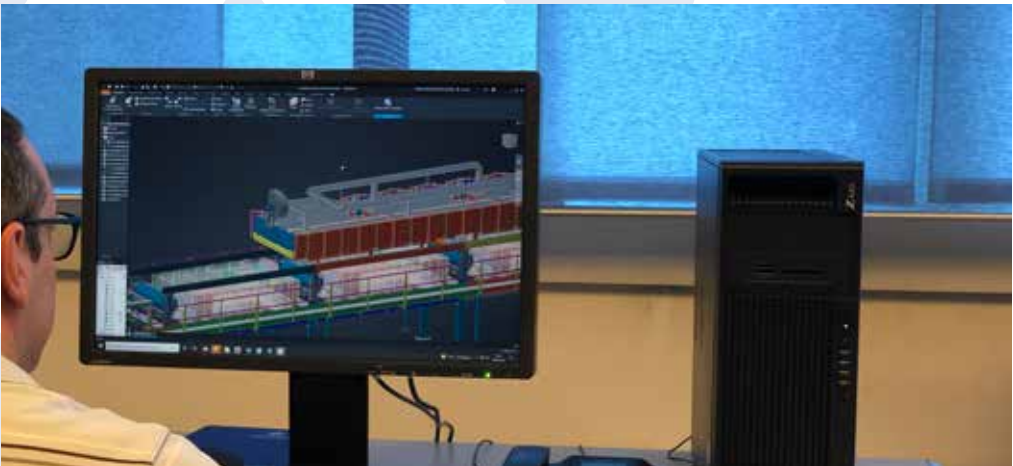
DESIGN -
PRODUCTION -
ASSEMBLY



PACKAGING AND
SHIPPING



ASSEMBLY AND
TESTING



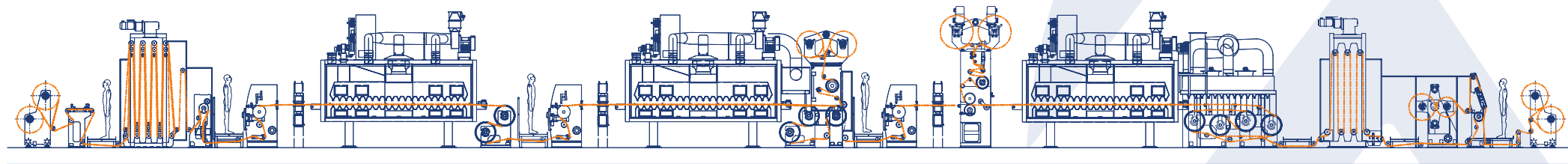


Coating lines on release papers or plastic films

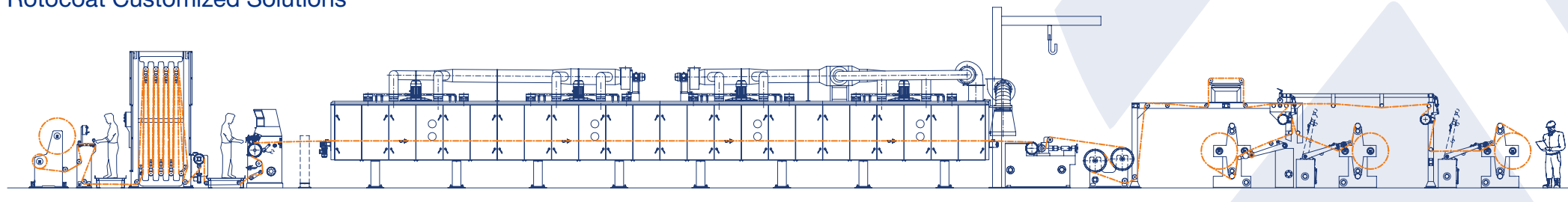
We have defined Rotocoat as all those plants where chemical compound is coated on paper, plastic film or any other no-textiles webs. Compound can be a solvent or solvent-less based chemistry resin, prepared with a suitable viscosity compatible with knife-over-roll machines which are the mostly used coating technology in these equipment. Rotocoat line are used for the production of several articles but the most known is the artificial leather production. In this process compound is coated in 3 or 4 layers, in continue, on paper. Last layer is an adhesive in which a fabric (natural or synthetic) is laminated on top. At the end of the line, coated compound and fabric are release from the paper obtaining artificial leather on one roll and again paper on the other (paper can be re-used several times). Every layer of chemistry must be dried and cooled before next coating. For this reason, Rotocoat lines have long driers and need long building for the installation.

For more information about our Rotocoat plants and technologies visit our website www.matex.it or scan the QRcode.

Rotocoat Artificial Leather



Rotocoat Customized Solutions

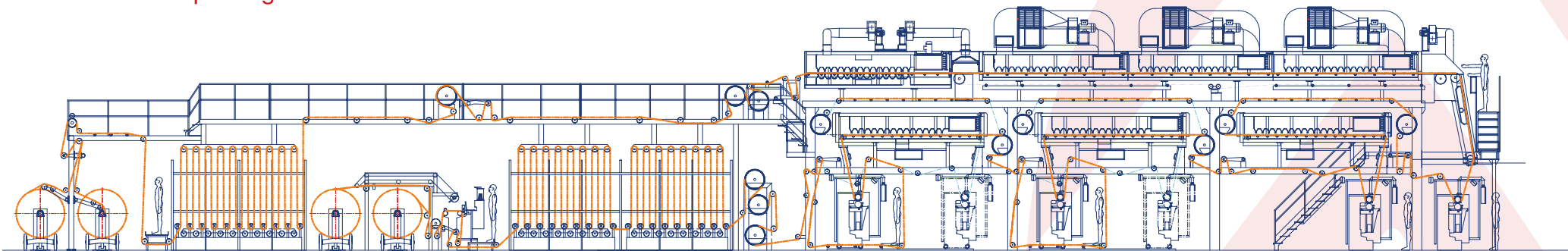




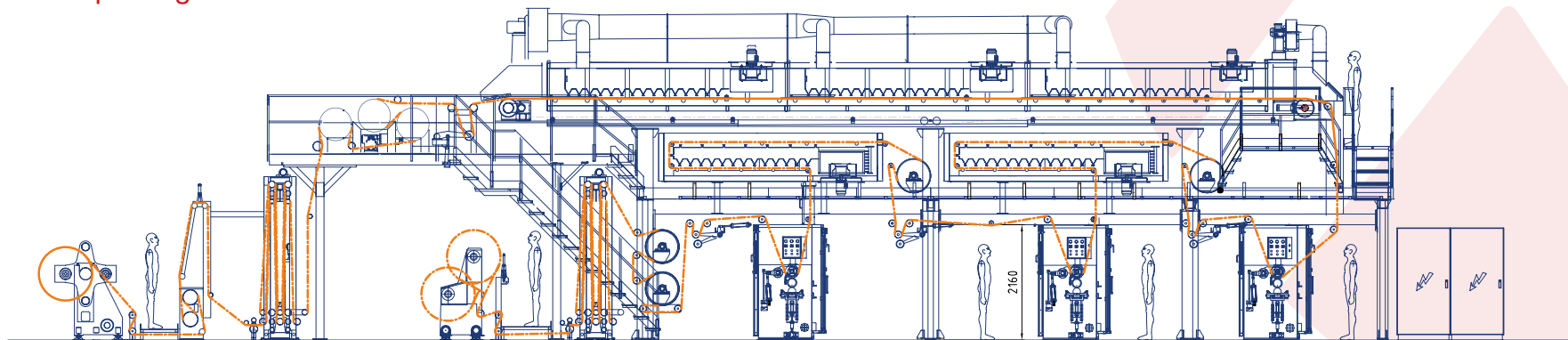
Printing/Lacquering lines for finishing

Rotofinish are those machines and plants necessary to apply a very low amount of chemistry on top of coated substrates or calendered films. They can be used for colour matching, printing logos, designs, surface effects or for top-coat protective layers. Compounds can be solvent or water based. In order to obtain the best uniformity in the application and due to the low viscosity of chemistry (e.g.: inks, lacquers, colours..) the engraved cylinders combined with a chemistry tank on the bottom is the mostly preferred technology in these lines. In up-dated processes each application needs a separate independent drier and cooler and often one printing/lacquering head movable in order to coat compound on back side.

Rotofinish 4-head printing line H.T.



Rotofinish 3-head printing line



For more information about our Rotofinish plants and technologies visit our website www.matex.it or scan the QRcode.





Embossing and laminating machines

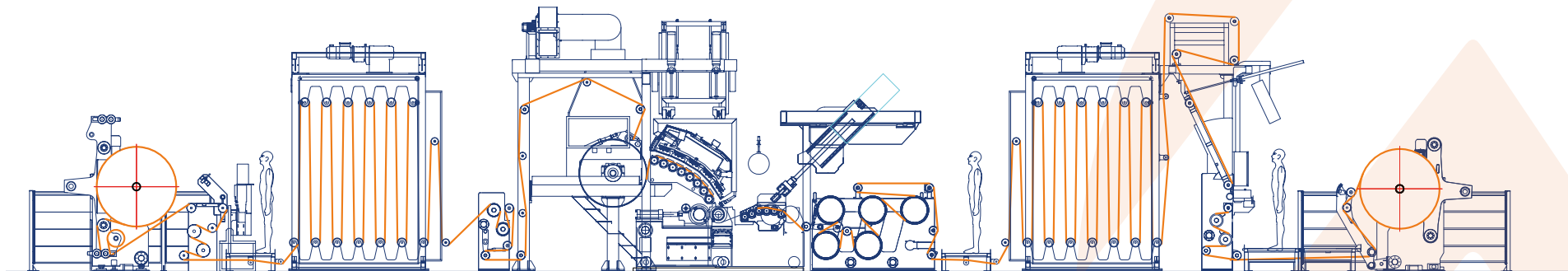
Rotomark are Matex equipment relating to embossing technology. Embossing is a strong mechanic impression of a desing, on a substrate. These lines are strong realization combining flexibility, high accuracy movements, fine parameter setting but operator friendly solution as well.

Matex produces solutions with embossing units with horizontal cylinders, vertical cylinders, embossing paper or other media/matrices.

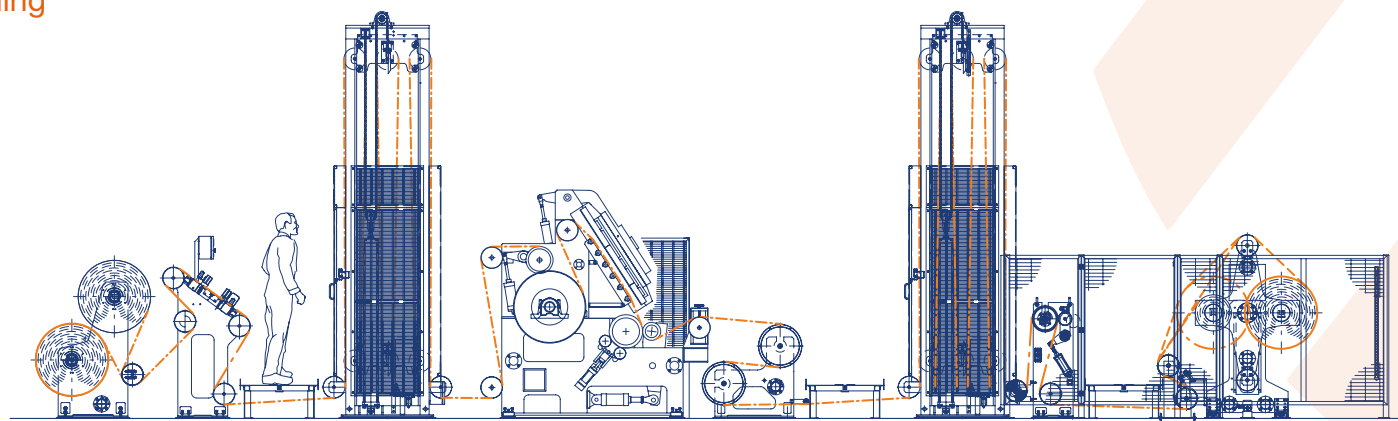
The precise installation but easy-replacing of the engraved cylinder are well known features of the Rotomark lines.

With latest level of automation Rotomark lines have become “intelligent” equipment capable to self-adjust and adapt machine parameters to different process and/or enviroment condition (e.g.: material thickness, line speed, engraved cylinder, room temperature...)

Rotomark High Tech

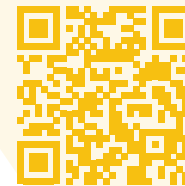


Rotomark Edge Banding



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Roll-to-Roll pilot machines for research and development

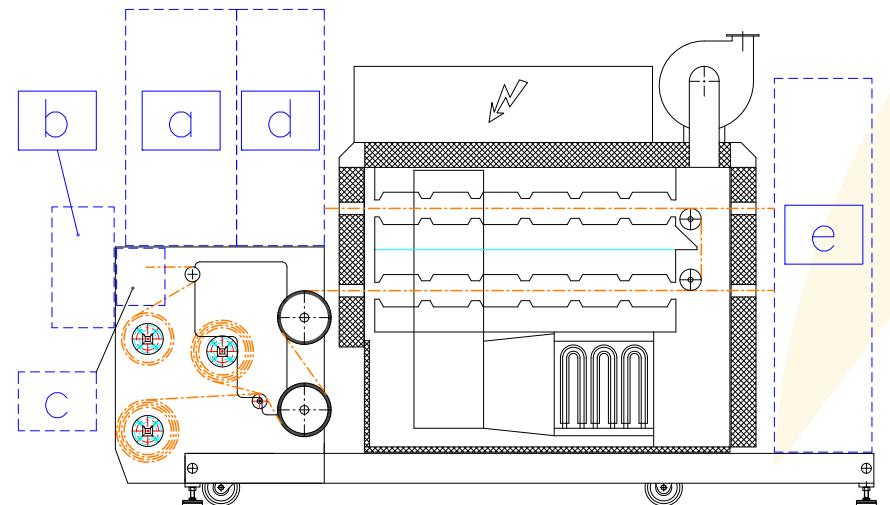
The Rotolabo line includes all those machines designed to develop new products or improve existing products. They are equipment that simulate industrial processes from roll to roll in very easy-to-use, flexible and reliable ways.

Rotolabo Multi, thanks to a fixed structure and various kits which can be replaced in a few seconds, can be configured to be used for a wide range of articles and final sectors of application. Rotolabo Multi is available in cylinder widths of 600 or 900 mm.

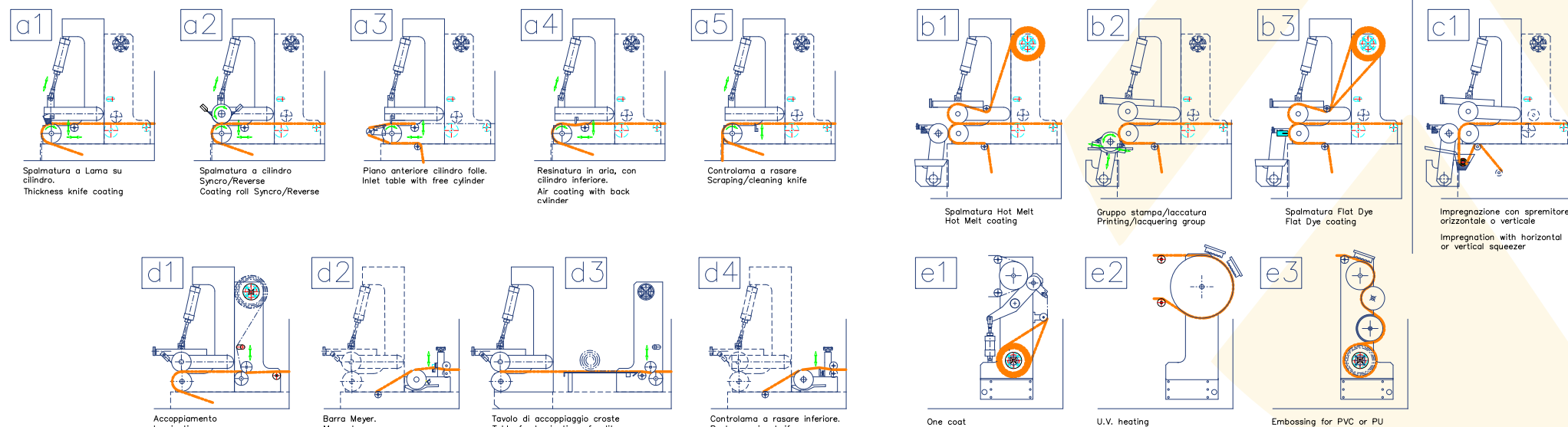
All Matex industrial technologies can be realised on a small scale.

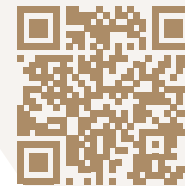
For more information about our Rotolabo plants and technologies visit our website www.matex.it or scan the QRcode.

Rotolabo Main Structure



Rotolabo kits





Direct coating machines for technical fabrics

The Rototextile category includes the equipment known as “direct coating lines” in which the chemical compound is coated directly to fabrics.

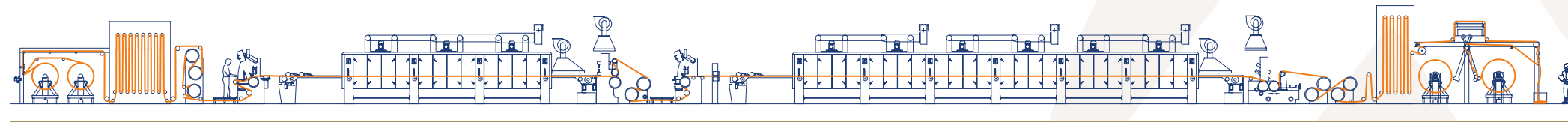
Scope of these equipment is to increase stability and mechanic resistance between yarns of the fabric.

Different type of fabrics (natural or synthetic) in different available widths combined with a wide range of chemicals (solvent or solvent-less) give the opportunity to produce finished product for count-less civil or industrial application; from very light fabric for garments or sport articles, to very heavy duty fabric for industrial application (e.g.: tarpaulin, conveyor belt, transmission belt, military fabrics...)

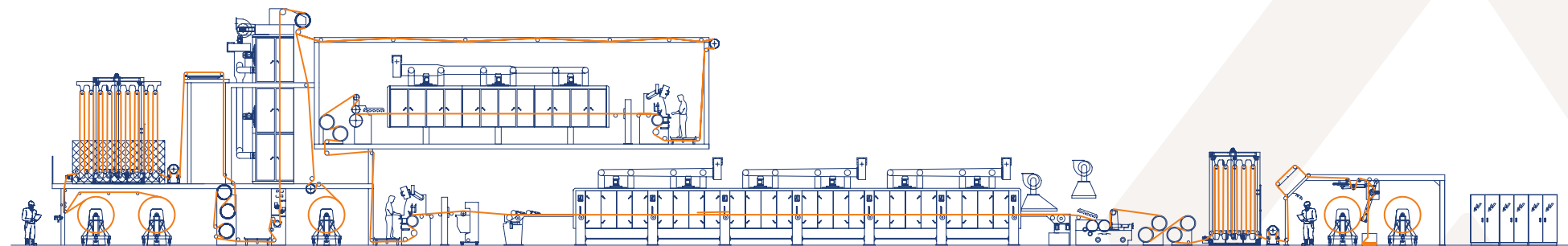
Line width can range 1,5 m to more than 4 m.

For more information about our Rototextile plants and technologies visit our website www.matex.it or scan the QRcode.

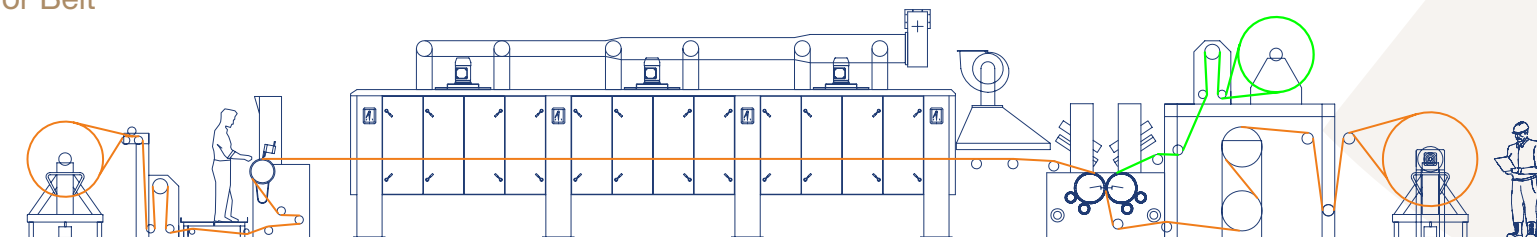
Rototextile Coated Textiles



Rototextile Tarpaulin

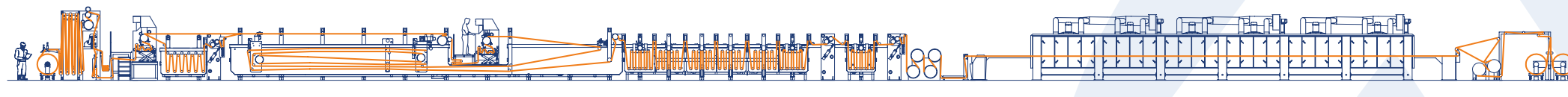


Rototextile Conveyor Belt

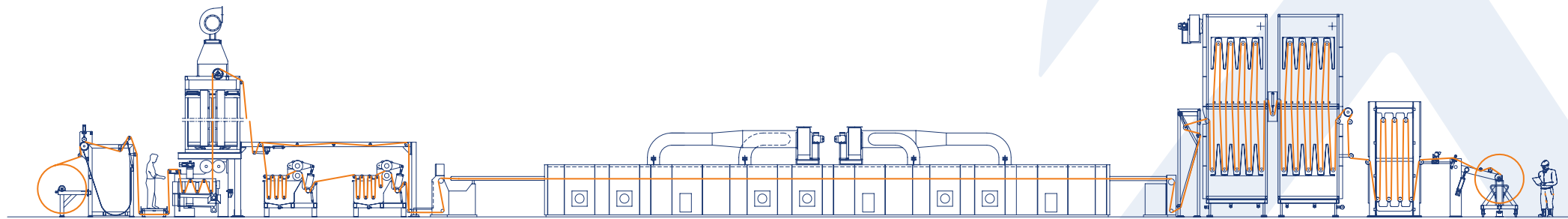




Rotowet Solvent Base



Rotowet Water Base



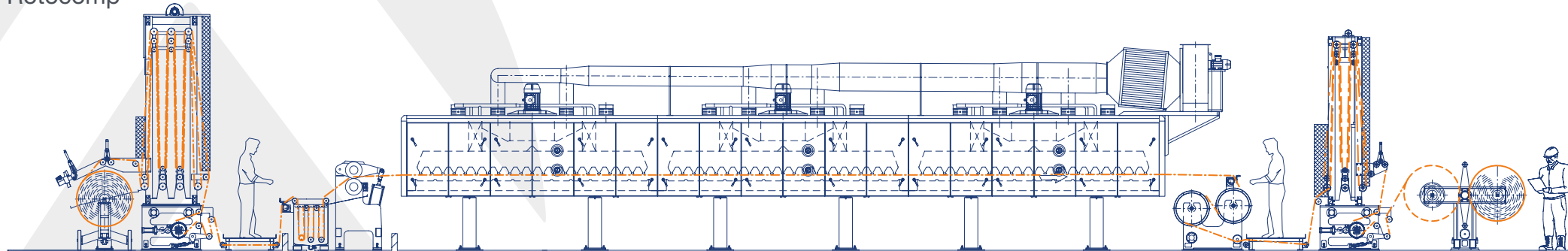
Impregnation lines

The Rotowet family includes all installations where fabrics or nonwovens are impregnated (dip coat). In this process diluted compound (solvent or solvent-less) deeply penetrates fibers and give mechanical structure and resistance to substrate. Because process needs coagulation and/or washing tanks with water, these equipment are commonly known as "Wet process lines". After washing, drying and/or curing ovens are required. Finished products are often use as laminated fabric on other process/line (e.g: Rotocoat for artificial leather).

For more information about our Rotowet plants and technologies visit our website www.matex.it or scan the QRcode.



Rotocomp

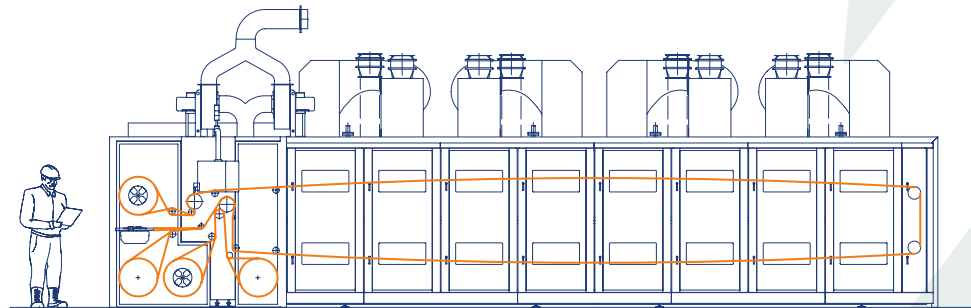
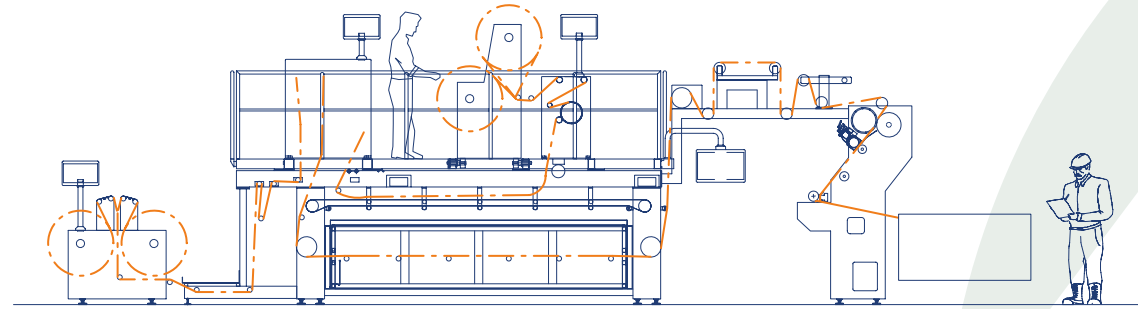


Impregnation plants

The Rotocomp family includes all those lines for composite materials. Composite substrates are normally carbon fibres, glass fibres, aramid fibres and finished product are used on high-ends and advanced application. Rotocomp equipment, used with solvent or solvent-less compounds, gives substrate mechanical/structure resistance for further processes and usually includes impregnation unit (dip coat) and a drier (vertical or horizontal) for a production speed of 5 m/m about.

For more information about our Rotocomp plants and technologies visit our website www.matex.it or scan the QRcode



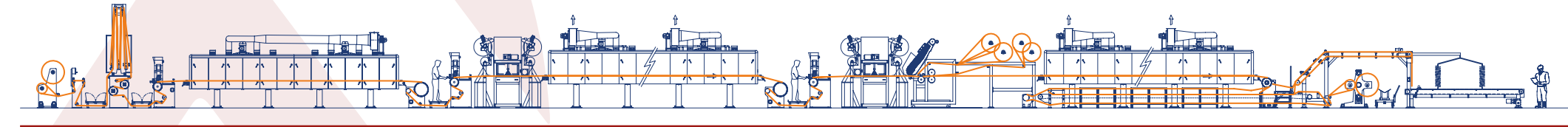


Pharmaceutical machines

Rotopharm is the specific family of equipment designed for the production of pharmaceutical and cosmetics articles.

Plants and machines are manufactured according to the standards required for these industries. Coating, coating-laminating, drying oven, air treatment supply, winding in roll or plaster already cuts...these are all different specification Rotopharm lines have in order to meet customer's requirement. Rotopharm equipment can be supply in small scale for R&D purpose as well.

For more information about our Rotopharm plants and technologies visit our website www.matex.it or scan the QRcode.



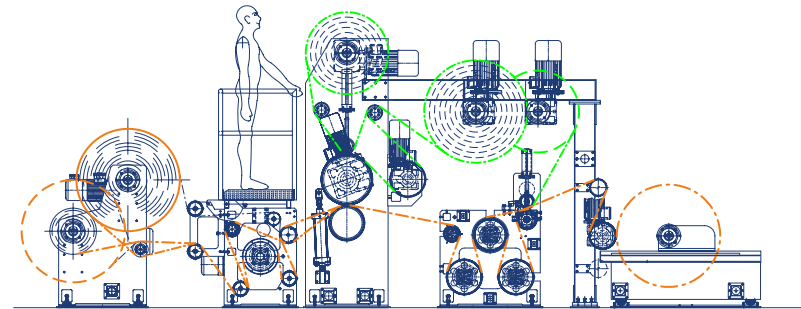
Cow splits finishing lines

Rotosplit are plants that up-grade surface of crust leathers by applying 2 or more layers of a thin PU film on the release paper and laminating crust on top of it. This process is well known as "by-cast" technology. Process use solvent or solvent-less compounds and paper, after releasing from laminated splits, can be re-used several times.

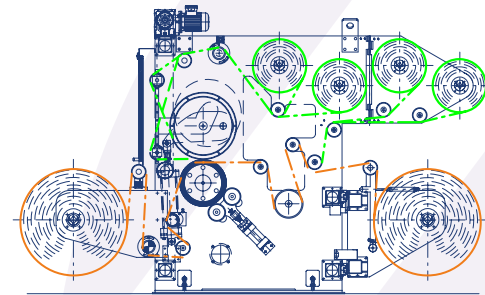
For more information about our Rotosplit plants and technologies visit our website www.matex.it or scan the QRcode.



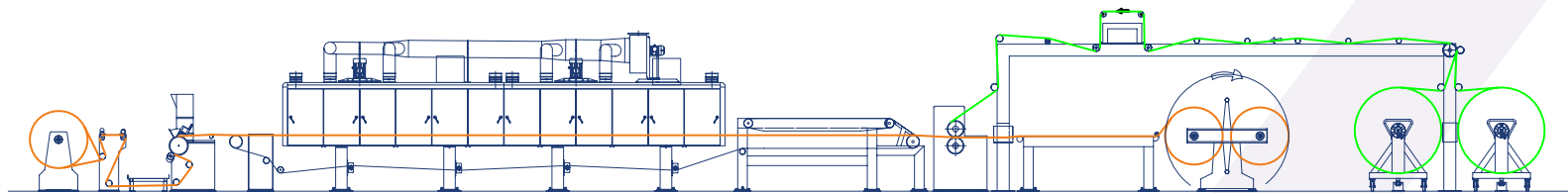
Rotolam Multilayer



Rotolam Release



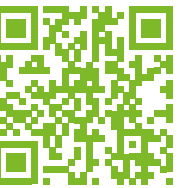
Rotolam



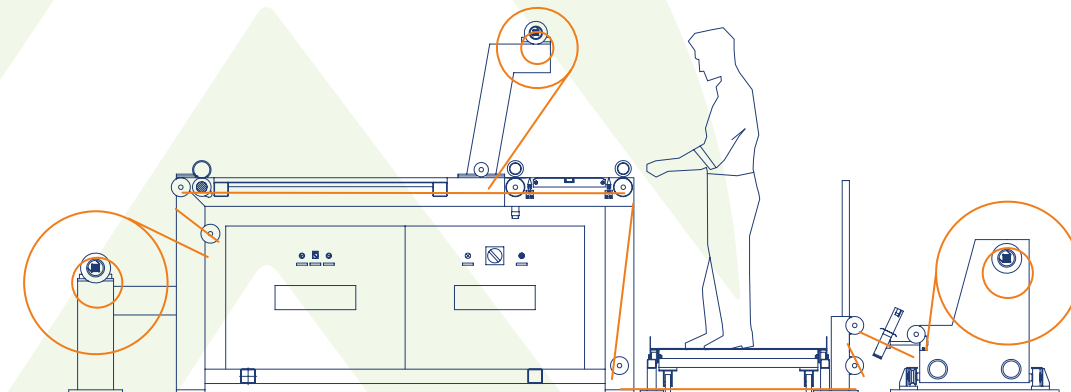
Line for lamination

Rotolam lines are customised products that take into account the customer's needs and the various industrial processes required to obtain a given product. The final article can be obtained by laminating two or more substrates just by pressure and heat or using adhesives. There is no a "standard" line in Rotolam family but always customised solutions based on customer's requirement.

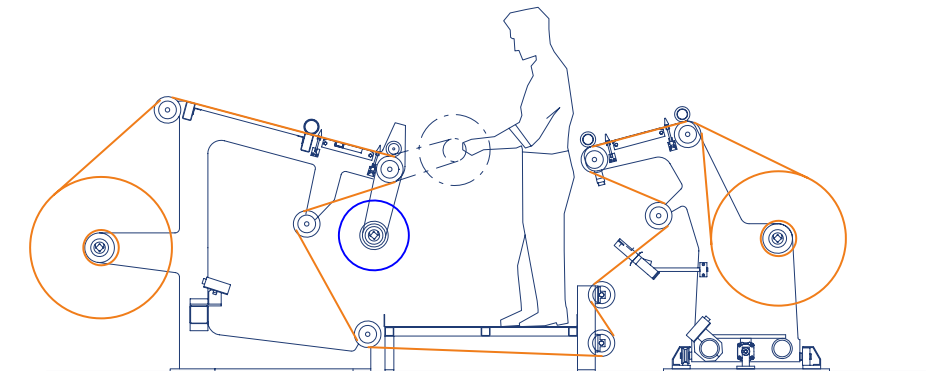
For more information about our Rotolam plants and technologies visit our website www.matex.it or scan the QRcode.



Rotovision Paper inspection



Rotovision Double table for paper



Inspection machines

Industrial roll inspection, trimming and packaging solutions and technologies

The Rotovision family includes all those machines and technologies normally used at the end of production departments to inspect, trim, rewind and pack industrial width rolls into formats more suitable for the end user.

For more information about our Rotovision plants and technologies visit our website www.matex.it or scan the QRcode.





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GEOTEXTILE

NOTE.



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