



EXCELLENCE IN EXTRUSION

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PRESS RELEASE

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ENABLING INDIA - A COMPLETE LINE FOR PP SPUN BOND NONWOVEN FABRIC - RAJOO USHERS IN A NEW TECHNOLOGY

With India on the anvil to embrace usage of nonwovens, this technology solution from Rajoo would go a long way in helping increase the current per capita consumption – a parameter closely linked to economic development and per-capita income.

Across sectors, the industry is poised to witness radical changes in the adoption of PP Spun bond and melt-blown nonwoven fabrics. Segments such as automotive, medical, personal care and hygiene, home furnishings, household, stationery, agriculture and

geotextiles would be the early adopters and enjoy the benefits presented by use of nonwovens as:

- Fabrication speed and flexibility
- Can be slit in both directions without fraying
- Heat sealed / seamed / folded / shaped in a variety of ways
- Possibility of ultrasonic welding

Understanding this market opportunity and industry benefit, Rajoo Engineers decided to address the areas relating to low productivity and cost competitiveness as well as obsolete technology by launching a **Complete Line for Producing PP Spun Bond and Melt-blown Nonwoven Fabric**. With India on the anvil to embrace usage of nonwovens, this technology solution from Rajoo would go a long way in helping increase the current per capita consumption – a parameter closely linked to economic development and per-capita income.

Nonwoven fabrics present substantial advantages. Manufactured by high speed low cost processes, nonwovens are even today used in many applications, most of them hidden. For medical applications they not only offer high absorbency and air-permeability, but also do not stick to the wound ensuring a skin-friendly micro-climate. In furniture and textile applications, nonwovens excel in terms of their look, permeability and abrasion resistance. The structure and low weight of acoustic nonwovens offer significant advantages in perforated ceiling systems when compared to conventional sound proofing systems. Nonwovens in horticultural protect plants against temperature extremes by day and night, thus creating a foundation for earlier harvests with excellent results. In addition to being air and water permeable, they can be UV stabilised and are resistant to rotting. In window treatments, nonwovens are used to design windows for enhanced

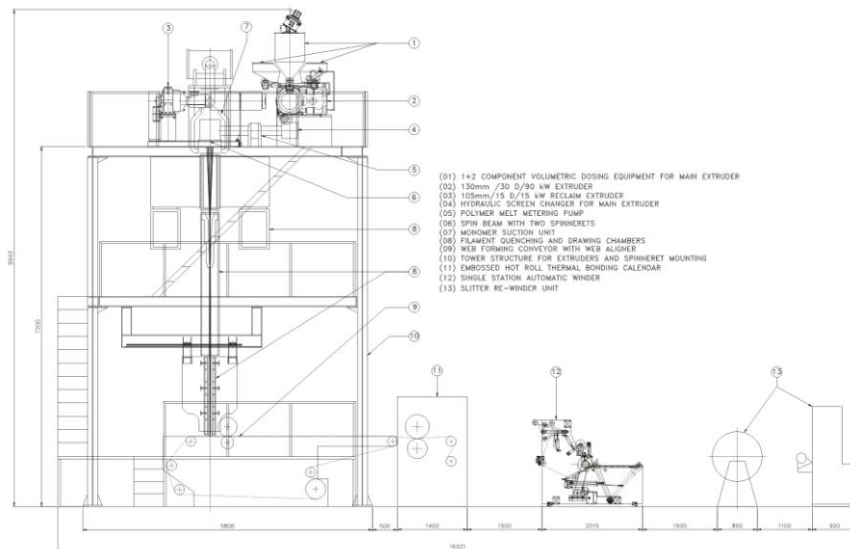
functionality and appearance. Their ability to diffuse light while maintaining room brightness enhances the feeling of privacy and helps protect furniture. Their natural insulating ability helps in energy conservation. This partial list of ever growing applications is a clear signal of the fast acceptance of this fabric, primarily due to its unique properties.



The spun bonded process direct extrusion followed by online thermal web bonding is the most versatile and popular process.

The Rajoo solution, built on a similar line includes:

- Primary extruder
- Trim recycling extruder
- Automatic screen changer
- Melt pump, Barmag
- Spinnerets
- Filament cooling / Fibre quenching
- Filament stretching / Draw bench
- Web forming
- Thermal bonding
- Winding
- Slitter re-winder
- Chillers
- Vacuum furnace / Calciner
- Ultrasonic cleaner
- Touch screen control panel



A complete extrusion system for PP Nonwoven fabric

About Rajoo

Based in Rajkot, Rajoo Engineers Limited, having made a modest beginning in 1986, has today emerged as an undisputed global player in blown film and sheet extrusion lines. Owing to its focused efforts in blown film and sheet extrusion lines, the Company enjoys premium market position in this segment. Being a technology driven Company, product innovations, world-class quality, state-of-the-art workmanship, increased energy efficiency and high levels of sophistication and automation have become the hallmark of Rajoo products during all these years, positioning the Company's products on a global platform, competing with the established world leaders. With representations in many countries of the world and customers in over 40 countries, the Company's exports have multiplied after its debut in the international market in 1990. (www.rajoo.com)