

INCUBATION, PROTOTYPE & PRODUCT DEVELOPMENT CAPABILITIES

PILOT CAPABILITIES

- Needle Punching - 0.6 mtr width
- Dip Coating
- Knife – on Roll Coating
- Knife – on Air Coating
- Hot Calendering



FACILITIES AVAILABLE FOR INCUBATION & PRODUCT DEVELOPMENT

- Hot Melt Coating & Lamination - 2.2 mtr width
- Coir Needle Felt - 2 mtr width
- Wet Wipe Manufacturing
- Needle Punching - 1.6 mtr width
- Micro Wadding - 1.6 mtr width

FOCUS INCUBATION CENTER

- P P Melt Blown Filter Cartridge Machine
- CTO Filter machine
- Face Mask Making Machine
- Coir wood / Sheet Printing Machine
- Coir wall / Roof Panels Making Machine
- Coir wood Manufacturing

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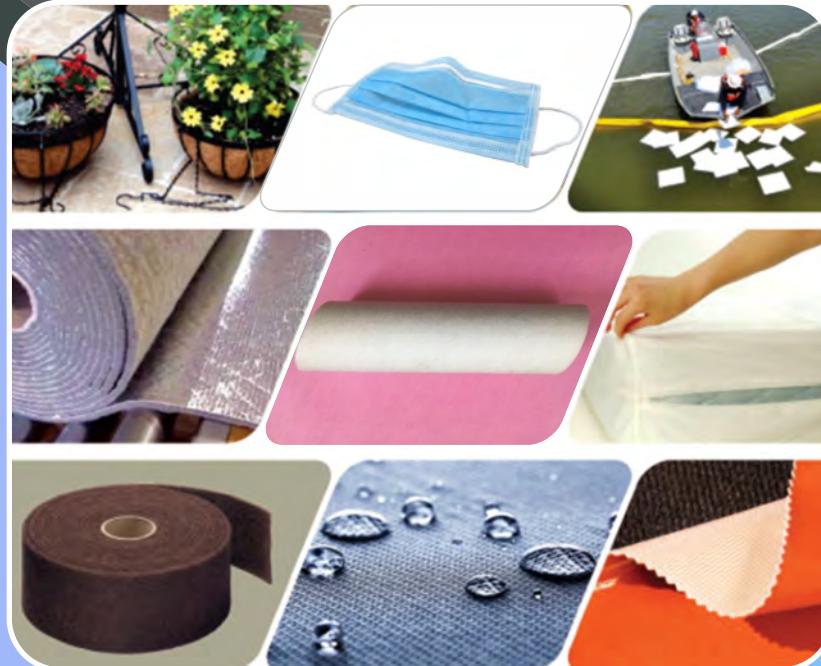
INTRODUCTION

PSG College of Technology established in 1951, is one of the many educational institutions nurtured by PSG & Sons' Charities Trust. The college is government aided, AICTE approved Autonomous institution affiliated to Anna University, Chennai and ISO 9001 certified. The Departments of Textile Technology and Automobile Engineering of PSG College of Technology were sanctioned with Centre of Excellence (COE) in Industrial & Home Textiles by Ministry of Textiles under Technology Mission on Technical Textiles (TMTT) scheme to promote the field of Technical Textiles in India. PSG Management has set up this facility on a sprawling campus in Neelambur, Coimbatore.

The term 'INDUTECH' refers to a subgroup of a wider category of Technical Textiles, referring specifically to those textile products used in the course of manufacturing operations. 'HOMETECH' segment of technical textiles comprises of the textile components used in the domestic environment- interior decoration and furniture, carpeting, protection against the sun, cushion materials, fireproofing, floor and wall coverings and textile reinforced structures.



PRODUCT FOCUS



FILTRATION & SEPARATION

- Air Filters
- Liquid Filters

INSULATIVE MATERIALS

- Acoustical Products
- Thermal Insulation

HOT MELT COATED & LAMINATED TEXTILES

- Mattress Protectors
- Baby Dry Protectors
- Extreme Cold Weather Clothing
- Tent Clothing

CLEANING SOLUTIONS

- Industrial Wipes
- Oil Sorbents
- Cleaning Products

GREEN CONCEPTS

- Floor Mats
- Coir Mattress
- Mulch Mats
- Coir Particle Board
- Coir Plant Pots

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TESTING CAPABILITIES

FILTER TESTING

- Filter Test Rig for Fuel
- Filter Test Rig for Oil
- Capillary Flow Porometer
- Air permeability tester

INSULATION TESTING

- Impedance Tube Tester
- Thermal Resistivity Tester
- Electrical Surface & volume Resistivity Tester

FLAME TESTING

- Vertical Flame Test
- Horizontal Flame Test
- Inclined Flame Test
- Limiting Oxygen Index

CHEMICAL TESTING

- FTIR
- PH Meter
- UV Vis – Spectroscopy
- Laudrometer
- Viscometer



ANALYTICAL TESTING

- FESEM
- STA (DSC with TGA)
- XRD
- UV Accelerated Weatherometer
- UV Transmittance Analyzer
- Hydrostatic Head Tester
- Fog Tester

PHYSICAL TESTING

- Tensile Tester – 100 KN
- Tensile Tester – 10 KN
- Tear Strength Tester
- Weighing Balance
- Thickness Tester
- Spray Rating Tester
- Burst Strength Tester
- Stiffness Tester
- Bundesmann Tester
- Hot Air Oven

SURFACE CHARACTERISTICS

TESTING

- Process Tensiometer
- Wet scrub Abrasion Tester
- Martindale Abrasion Tester
- Taber Abrasion Tester

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