

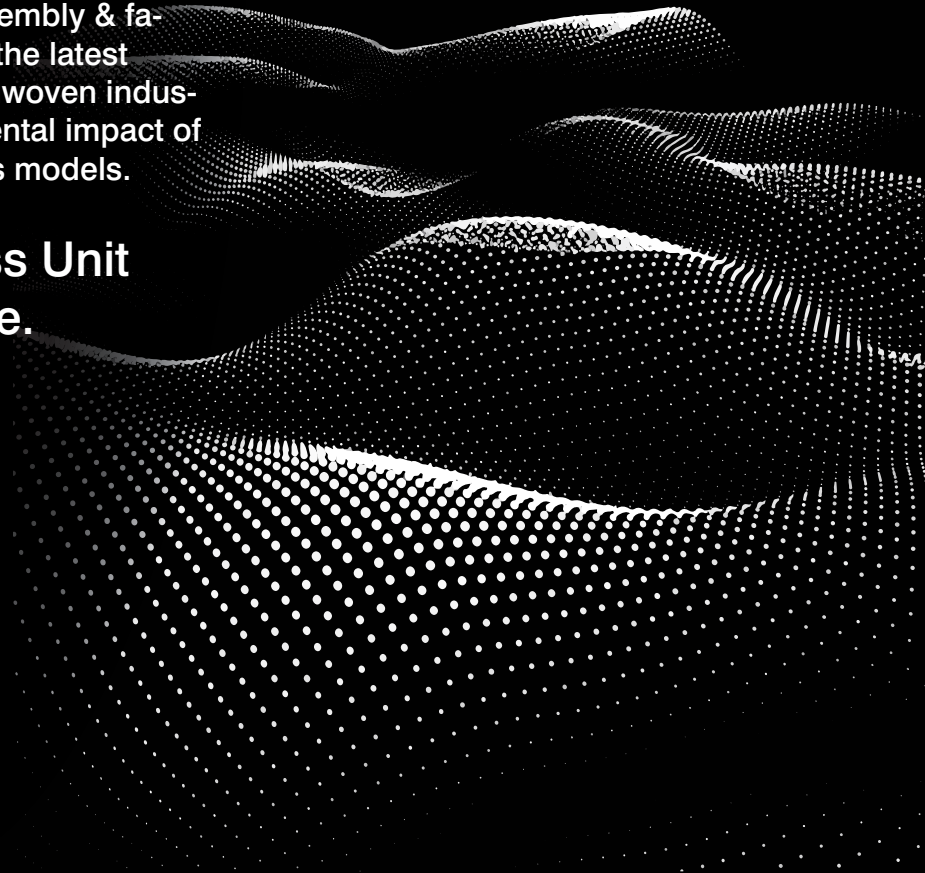
Polymer — business unit



#Our expertise

CETI is at the forefront of Textile to Textile technological solutions. With a strong customer-focused approach, we develop alternative materials like bio-based and home compostable ones, plant and protein based fibers. You will collaborate with a team of Phds, engineers and experienced assembly & fabrication technicians to deliver the latest innovations to the fiber and nonwoven industries, and reduce the environmental impact of textile through circular business models.

**Our Polymer Business Unit
is a world class space.**



Ceti

TRANSFORMATIVE
TEXTILES



Our solutions for thermo mechanical recycling

— From textile to textile recycling proof of concept (pilot scale prototyping and demonstrator) thanks to our pilot and sampling technologies (polymer compounding, melt-spinning, circular knitting).

— Transformation of post-production & post-consumer textile feedstocks into polymer granules.

— Investigation of recycled textile polymer granules for melt-spinning, spunbond, and meltblown nonwoven applications.

— Development of non-woven products made from recycled materials from spunbond and meltblown process.

— Industrial transfer & skill training.

Our solutions for SpunMelt nonwovens

— Development of nonwovens for high-tech applications.

— Development of high strength nonwoven thanks to our Spunlace, Thermobonding and Air-through bonding technologies.

— Development of nonwoven products for high-filtration applications.

— Development of surgical masks.

— Development of high surface energy nonwovens thanks to our corona treatment technology.



Pellets from recycled textiles

— EREMA Technology



— Compound



FROM POLYMER TO NONWOVEN:

— Spunbond



— Meltblown



— Thermal bonding



— Hydroentanglement



FROM POLYMER TO FILAMENT:

Tri components melt spinning technology | HILLS_{INC}

— Development of hollow, mono, bi and tri-components fibers with various cross-sections.

— Development of both high-tech and bio-based fibers (e.g., PLA, PBT, PA11, PA6, PA66, PHA, STARCH, etc).

— Development of both plant and protein-based fibers.



— Development of bio-based elastic continuous filament yarns (e.g., 400% elongation).

— Development of metal/liquid core fibers (e.g., flame resistant, fragrance-emitting, optical fibers, and electro-conductive fibers).

Knowledge transfer

For your teams :

— The Nonwovens Learning Cycle™. By EDANA and CETI

Subscription on www.edana.org

If you need help to subscribe please contact our experts.



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