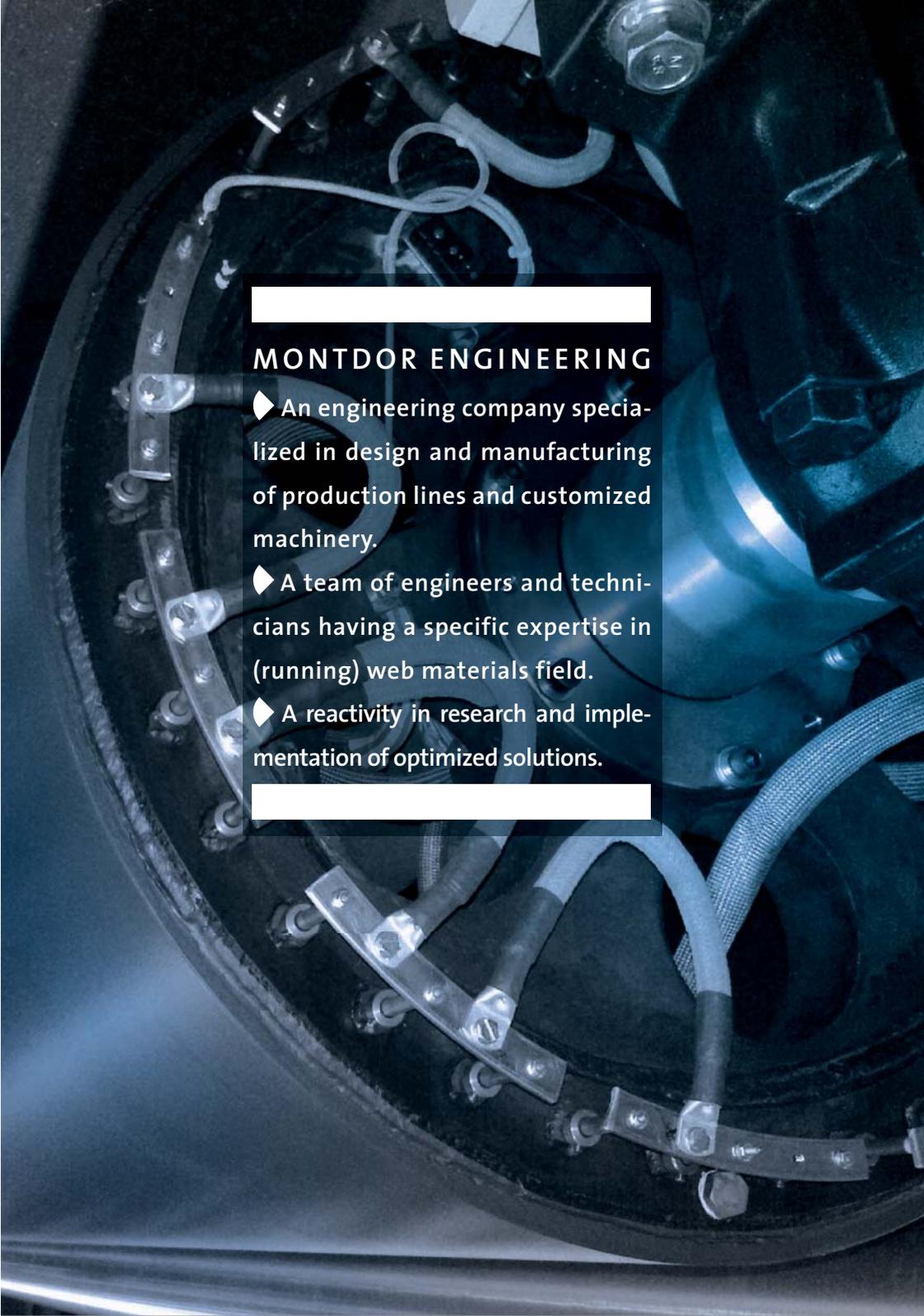


The background of the entire page is a complex, light blue technical drawing or blueprint. It features various mechanical components, gears, shafts, and cross-sections, all rendered in a fine-line style. The drawing is dense and covers the entire area, creating a technical and industrial atmosphere.

**DESIGN AND
MANUFACTURING
OF CUSTOMIZED
MACHINERY**
TRANSFORMATION
PROCESS FOR
TEXTILE, FILM &
COMPOSITE INDUSTRY



MONTDOR
ENGINEERING



MONTDOR ENGINEERING

◆ An engineering company specialized in design and manufacturing of production lines and customized machinery.

◆ A team of engineers and technicians having a specific expertise in (running) web materials field.

◆ A reactivity in research and implementation of optimized solutions.

OUR EXPERTISE

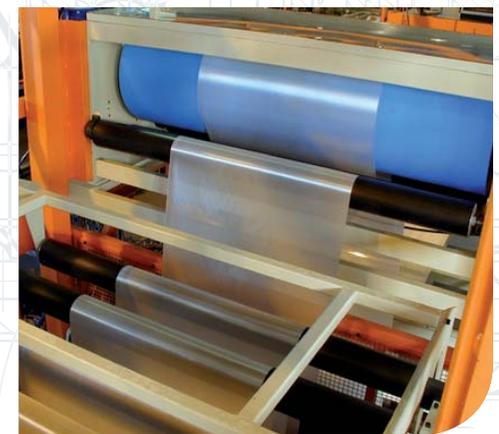
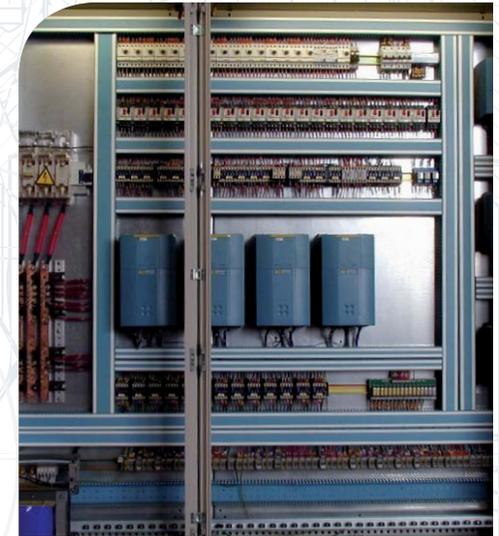
- > Technical studies on request
- > Process Development and optimization
- > Mechanical engineering
- > Electro-technical engineering
- > Automation and supervision
- > Measurement devices for quality controls
- > Data processing and analysis

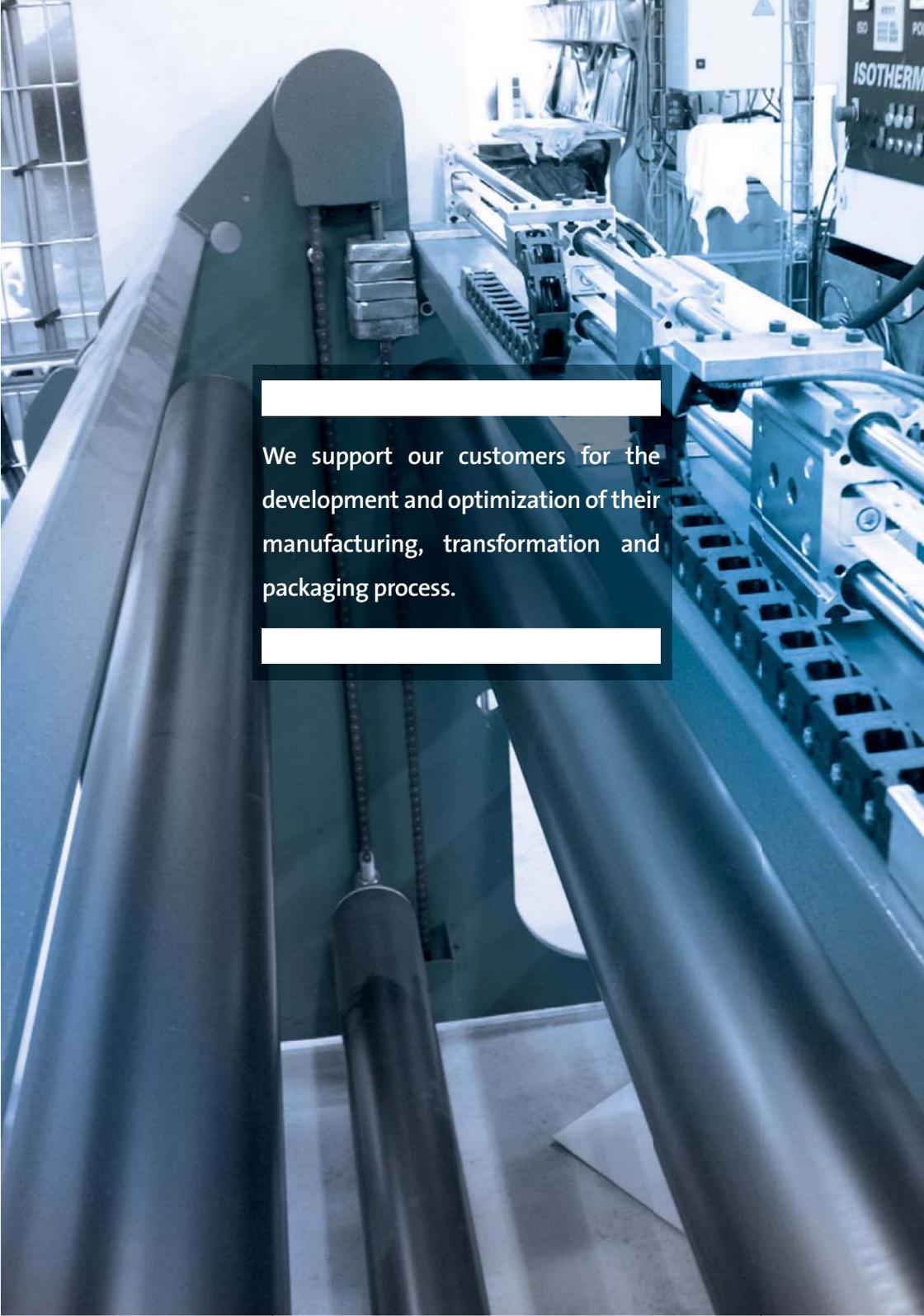
FIELDS

- > Technical fabrics
- > Non woven and foam
- > Vinyl and flooring
- > Composite materials
- > Painting lines

OUR METHODS

- > Process study and customer needs analysis
- > Proposal of technical solutions
- > Electrical et mechanical design
- > Software development of controllers and touch panels
- > Assembly and installation
- > Commissioning and process optimization





We support our customers for the development and optimization of their manufacturing, transformation and packaging process.

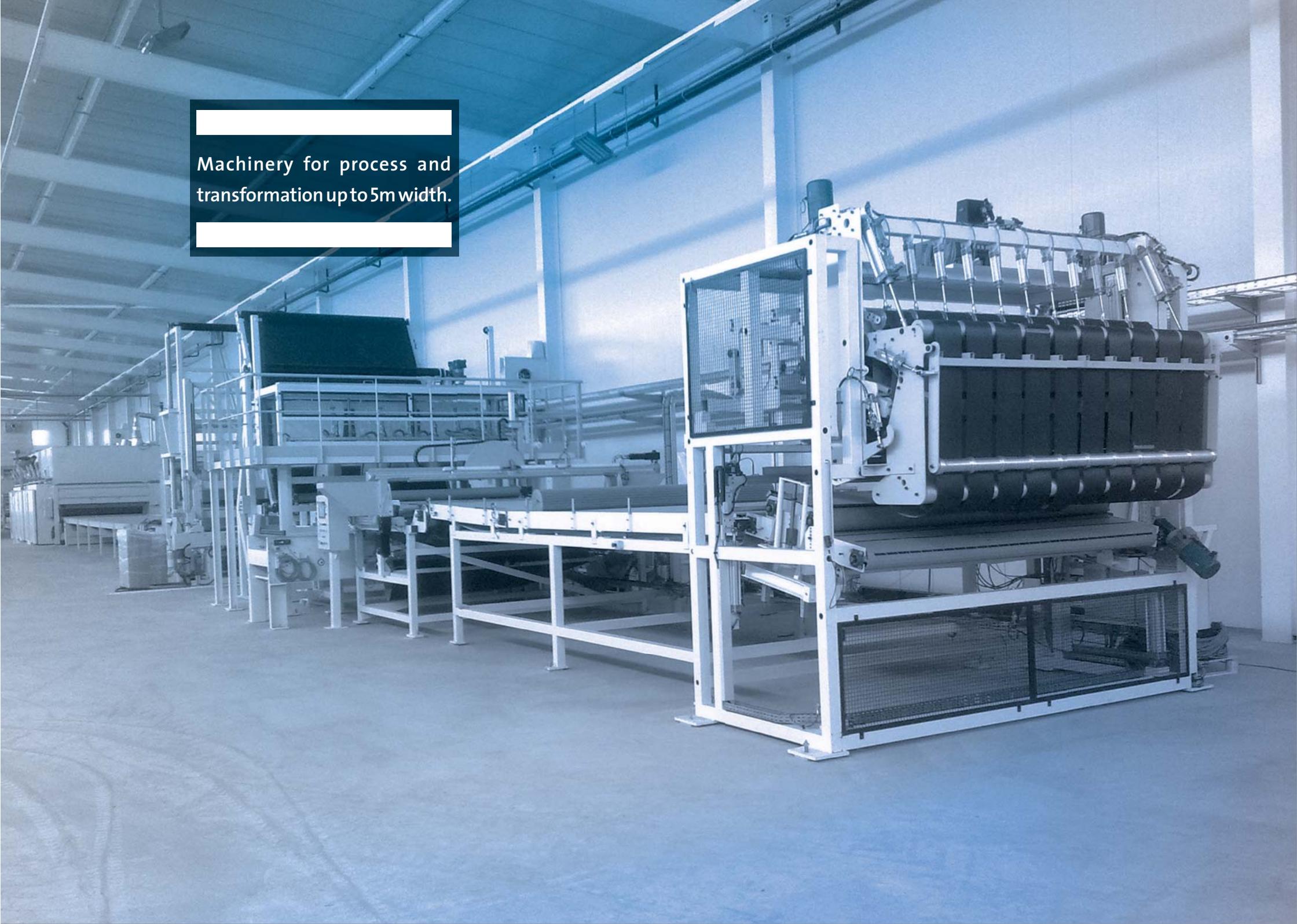
OUR TECHNICAL ASSISTANCE SERVICES

- > Process feasibility and ergonomic testing on prototypes
- > Mechanical, electrical and automation studies
- > Sizing validation by computational calculation
- > Process research and development
- > Machinery design, manufacturing and installation
- > Sub assembly and production tools design
- > Electrical cabinets design and manufacturing
- > Upgrade to norms
- > Factory maintenance

OUR MACHINERY



Machinery for process and transformation up to 5m width.



PROCESS CORE

BONDING & LAMINATION

- > Multi layers assembly



COATING & IMPREGNATION

- > All type of coatings: nozzle, screen roll, kiss coating, racle
- > Acrylic
- > Silicone
- > Hot melt
- > Impregnation bath
- > Transfer printing



CALANDERING

- > Thermoforming: embossing and debossing

DRYING AND POLYMERIZATION

- > Hot air furnace
- > Electric or gas infra red panels
- > Heating and cooling cylinders with large diameters
- > Heating belts
- > Heating plate
- > Cooling
- > Accurate regulation of heating and cooling cycles



LINE ACCESSORIES

UNWINDING MACHINES

- > Reels permutation for nonstop production (barrel or twin post with lift arm)
- > Optimum tension management
- > Automatic non stop splicing : sewing conveyor or thermal bonding

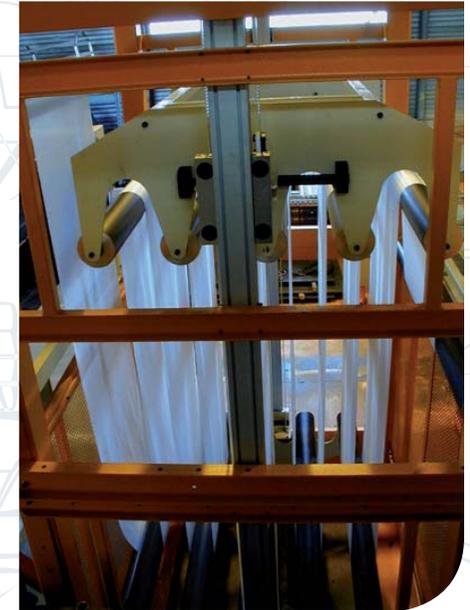


- > Automatic management of empty rolls
- > Web guiding



ACCUMULATORS

- > 3 to 80 m accumulation length on standard line
- > Traction cylinder for an optimized tension management through the process



SPREADING

> Curved rolls



> Width expander rolls



> Screw rollers

TENSION MANAGEMENT COMPENSATOR



CUTTING UNITS

> Shearing

> Friction

> Ultrasonic knives

> Logitudinal : width adjustment and web division

> Transversal: full width cutter or blade travelling



WIDING MACHINE

> Reels permutation for nonstop production (barrel or twin post with lift arm)

> Optimum tension management

> Tangential contact wider

> Axial winding

> Compacting systems by pressure roll

> Web guiding



MEASUREMENT UNIT

> Thickness, weight and moisture measurement, 3D profilometry

> Production data management

> Process optimization

> Continuous process regulation

> Supervision and production monitoring

INSPECTION MACHINE



PACKAGING

> Filming

> Traverse winding

> Palletization





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