



Our Productivity Center showcases the world's most extensive range of double belt presses and precision scattering machines under one roof, together with associated upstream equipment and a dedicated metrology laboratory.

ipco.com

COMPOSITE SOLUTIONS PRODUCTIVITY CENTER

A WORLD-CLASS FACILITY FOR PRESS AND SCATTERING TECHNOLOGIES

Our Productivity Center in Göppingen/Germany is a state-of-the-art facility from which to showcase the world's most extensive range of Double-Belt Presses and precision Scattering Systems under one roof.

As well as creating a unique center of excellence, a place where ideas and innovation can flourish, this investment also gives us the tools with which to support you in developing the flooring, composite and nonwoven products of the future.

Product testing and batch production

Our press systems are used for impregnation, lamination and consolidation, and all are available for product testing and small scale batch production. We also have a range of scattering machines that can be used for testing with or without press systems.

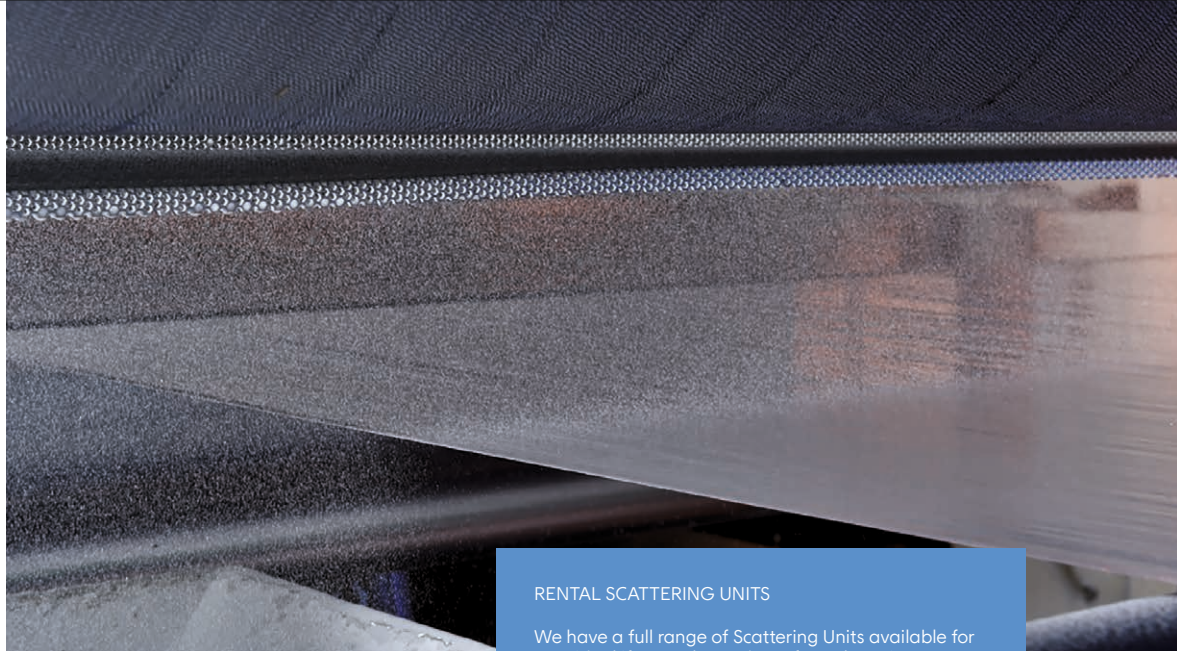
We want you to see this 1 600 m² facility as an extension of your own in-house R&D work, a place where, with our support, you can carry out:

- Customised product development.
- On-going R&D.
- Process testing.
- Prototype production.
- Accurate measurements.

Please contact your usual IPCO representative for more information on the systems and support available, and to arrange an appointment to discuss your requirements.

PRODUCT DEVELOPMENT /
CONTRACT MANUFACTURING
Are you looking for a reliable partner for product
development or contract manufacturing?
Benefit from our knowledge!





RENTAL SCATTERING UNITS

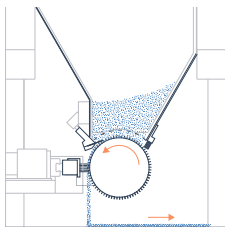
We have a full range of Scattering Units available for rent, ideal if you only need one for a short time or want to put it to the test in your own facility before making an investment.

ScatterPro

Our precision Scattering Systems are used to deposit powder, granular or fibrous products onto a carrier material before being formed by pressure and/or heat.

Test systems are available in widths from 800 – 1 200 mm, together with various scattering rollers. Scattering Units up to 1 800 mm wide are available for lease.

Typical applications: Flooring, Composites, Non-wovens, Textiles, Wallpaper, Food and Chemical products, etc.

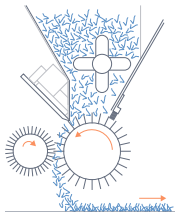
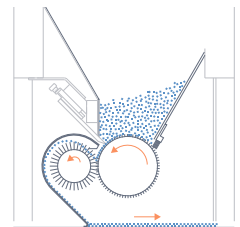


Powder: ScatterPro P

| | |
|------------------------|-----------------------|
| Max. powder size | 1,5 mm |
| Max. scattering width | 1 200 mm |
| Max. scattering weight | depends on belt speed |

Granules: ScatterPro G

| | |
|------------------------|-----------------------|
| Max. Granule size | 10 x 5 mm |
| Max. scattering width | 1 200 mm |
| Max. scattering weight | depends on belt speed |

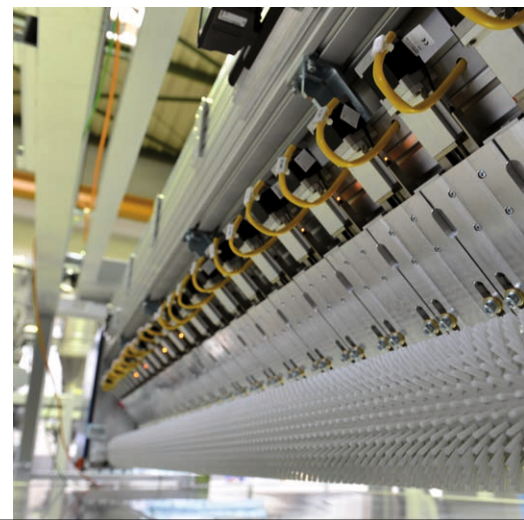
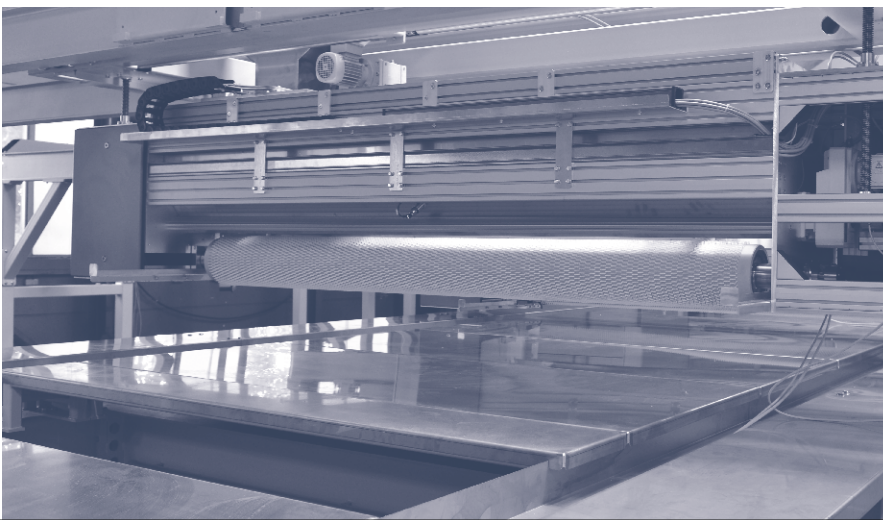
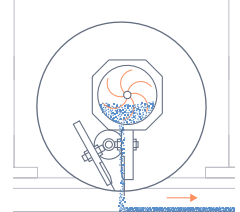


Fiber: ScatterPro F

| | |
|------------------------|-----------------------|
| Max. Fiber length | 8 mm |
| Max. scattering width | 1 200 mm |
| Max. scattering weight | depends on belt speed |

Rotary Screen: ScatterPro RSS

| | |
|------------------------|-----------------------|
| Max. Granule size | 0,3–0,5 mm |
| Max. scattering width | 800 mm |
| Max. scattering weight | depends on belt speed |

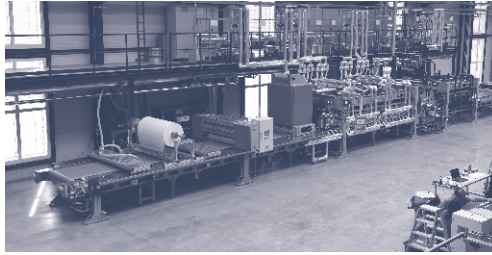




ThermoPress TB

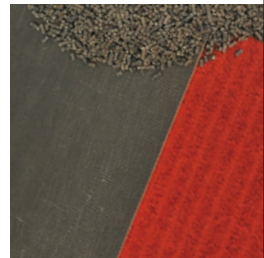
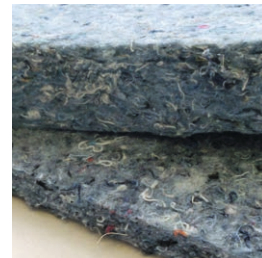
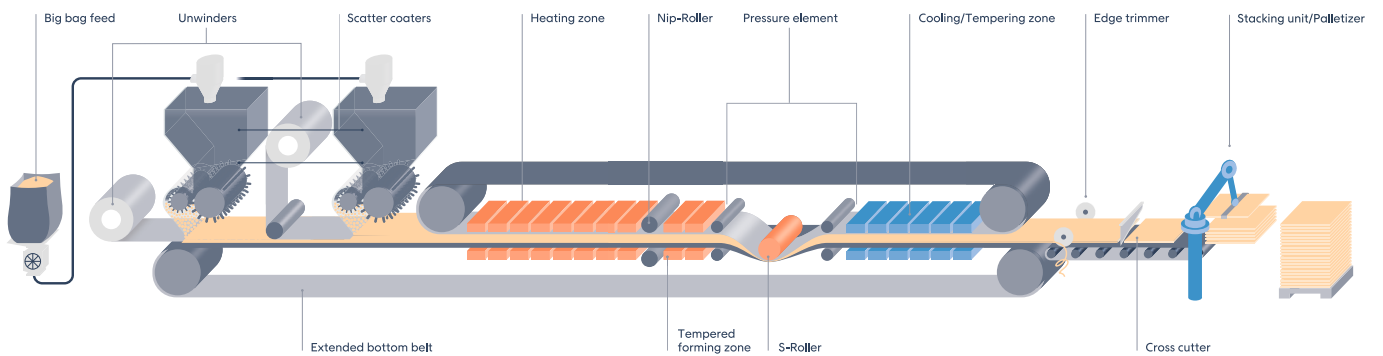
Productivity Center test system specifications

| | |
|-----------------------|----------|
| Belt width | 1 200 mm |
| Max. temp | 250 °C |
| Max. surface pressure | 6 bar |

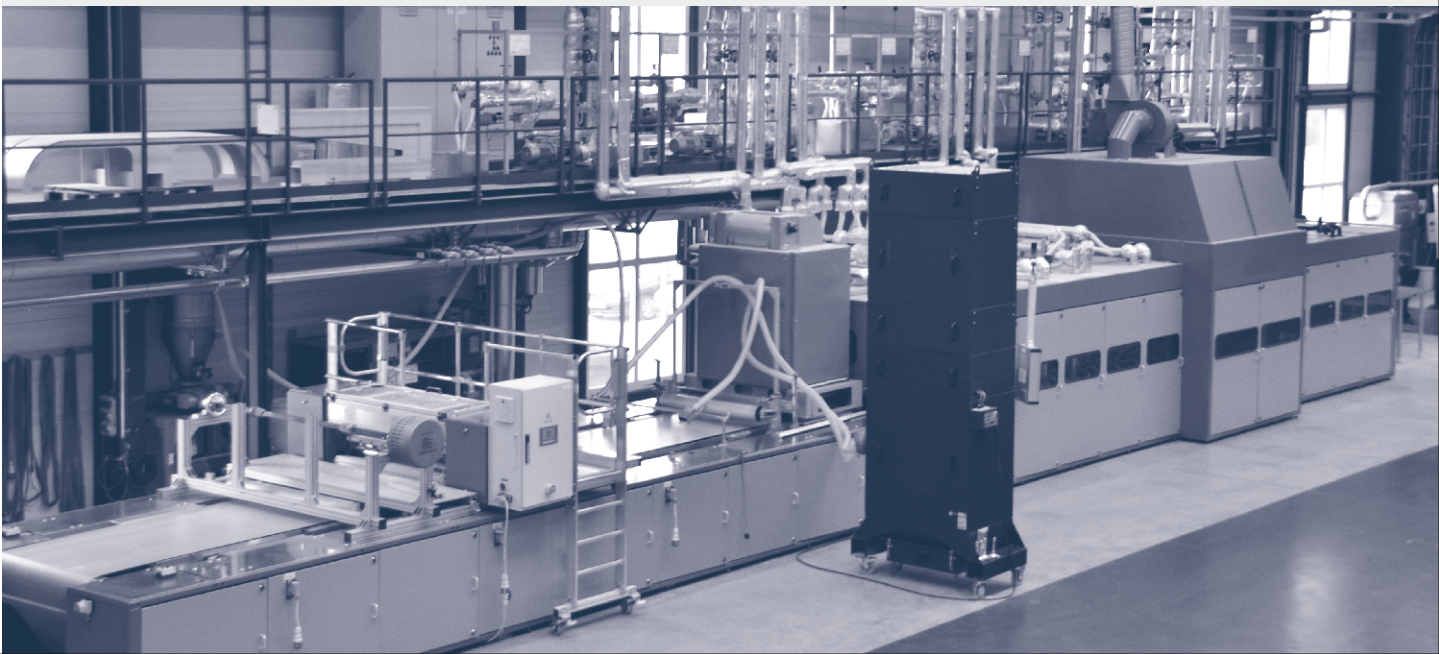


This press features Teflon®-coated belts and counter pressure elements. Capable of incorporating several process stages in one, continuous system, it is suitable for a wide range of applications.

ThermoPress TB system diagram



Typical applications: Multi-layered materials, Carbon Fibers, Honeycomb, Flooring, Fiber and Plastic Recycling, Automotive Bodyparts, Technical Textile, Non-wovens, Natural or Glass Fibers, Composites (fiber or metal) Sandwich Sheets, Organo Sheets, Carbon ...

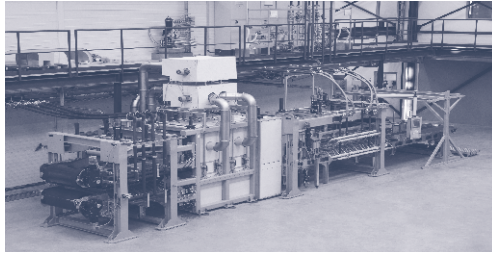




ThermoPress CB

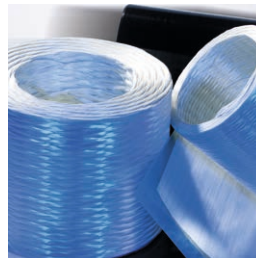
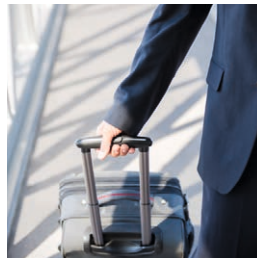
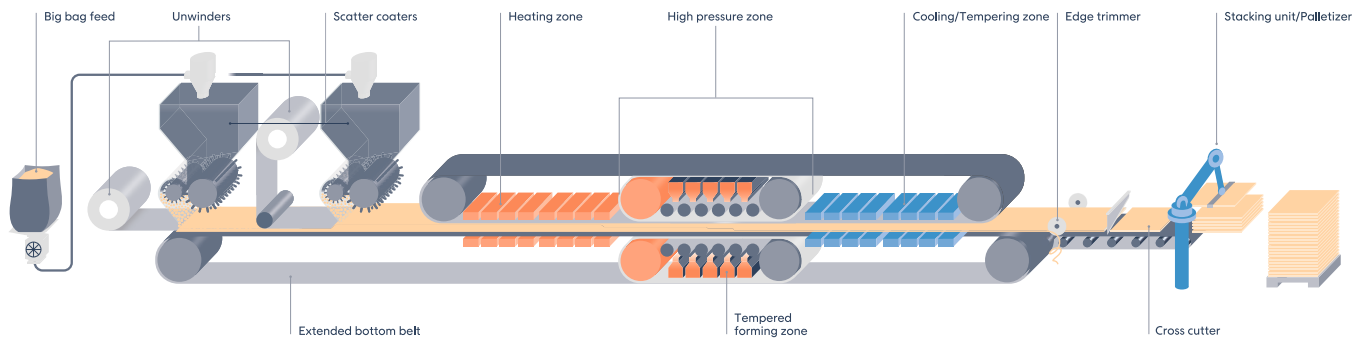
Productivity Center test system specifications

| | |
|--------------------|---------|
| Belt width | 800 mm |
| Max. temp | 250 °C |
| Max. line pressure | 30 N/mm |



This press delivers the best of both worlds. Teflon®-coated belts are used through the system, but significantly greater pressure can be applied via steel belt modules in the consolidation zone.

ThermoPress CB system diagram



Typical applications: all different kind of Floorings: Homogeneous, Heterogeneous, LVT, SPC, WPC, Textile, PVC-free, Safety Flooring, VCT, Thin films, Insulating Panels, Carbon, Side Skirts, Trailers, Wood-Plastic-Composites ...

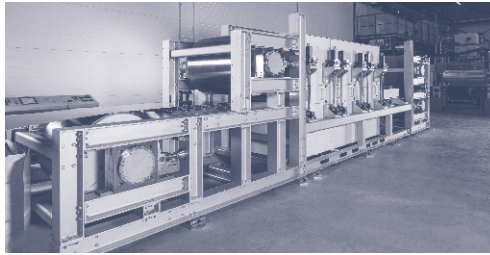




ThermoPress SB

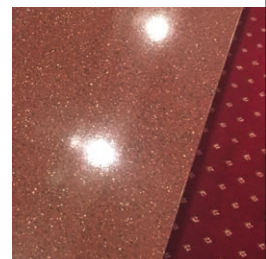
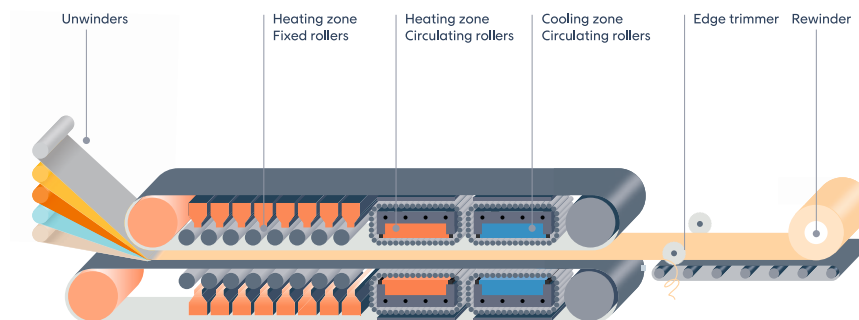
Productivity Center test system specifications

| | |
|-----------------------|---------|
| Belt width | 800 mm |
| Max. temp | 350 °C |
| Max. line pressure | 30 N/mm |
| Max. surface pressure | 6 bar |

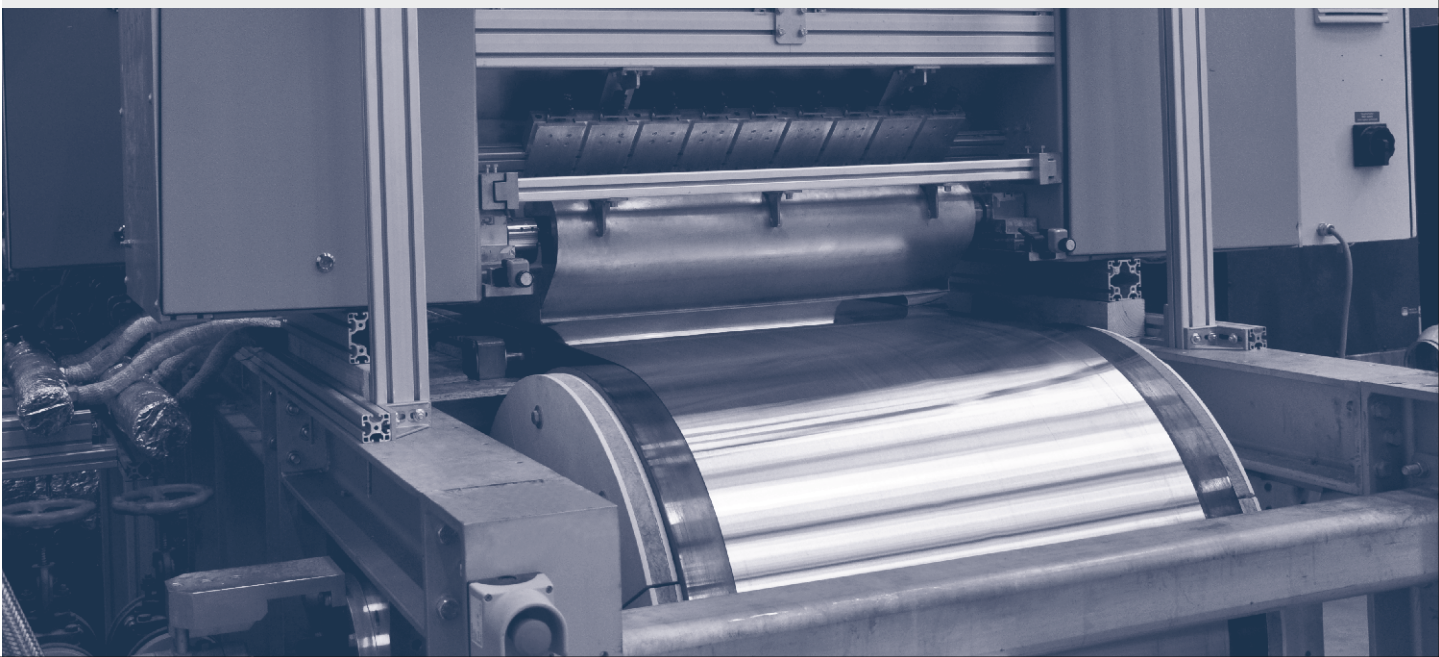


This high-pressure steel belt-based double belt press technology is a multistage system that can incorporate a series of heating, cooling and pressure zones, with temperatures up to 350 °C.

ThermoPress SB system diagram



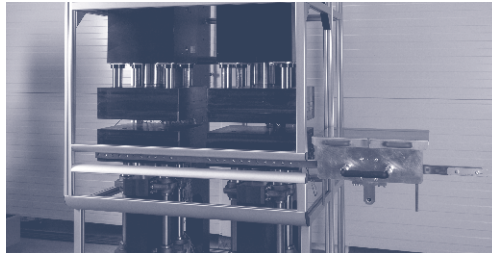
Typical applications: Pre-Preg, Carbon, Cladding, High Temperature Composites, Artificial Stone, Fiberboard ...



Static Press systems

Productivity Center High pressure test system specifications

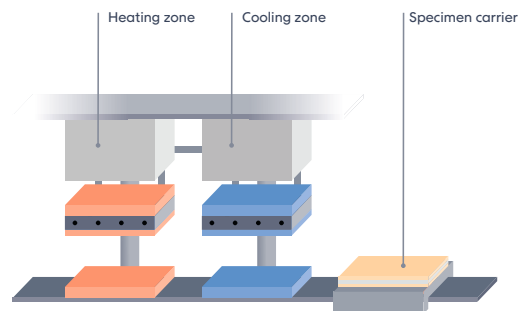
| | |
|----------------|--------------|
| Press area | 340 × 450 mm |
| Max. temp | 400 °C |
| Pressure range | 0 – 30 bar |



This compact, versatile unit is ideal for pre-testing purposes. Accurate heating, cooling and pressure controls enable quick and easy assessment of samples with minimal material input.

Typical applications: assessment of process feasibility and production of prototype samples.

Static Press system diagram



ThermoPress and ScatterPro Productivity Centers

ThermoPress TB, CB, SB / Static Press / ScatterPro: Göppingen, Germany

ScatterPro: Totowa, USA

Static Press: Shanghai, China

ThermoPress SB: Kobe, Japan





—TEST—AND— DEVELOPMENT— FACILITY— COMPOSITE—

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