

— INTRODUCING STEEL BELT QUALITY TO TEFLON® BELT PRESSES

The IPCO ThermoPress HB double belt press brings the surface quality of a steel belt to the world of Teflon® presses for the first time.



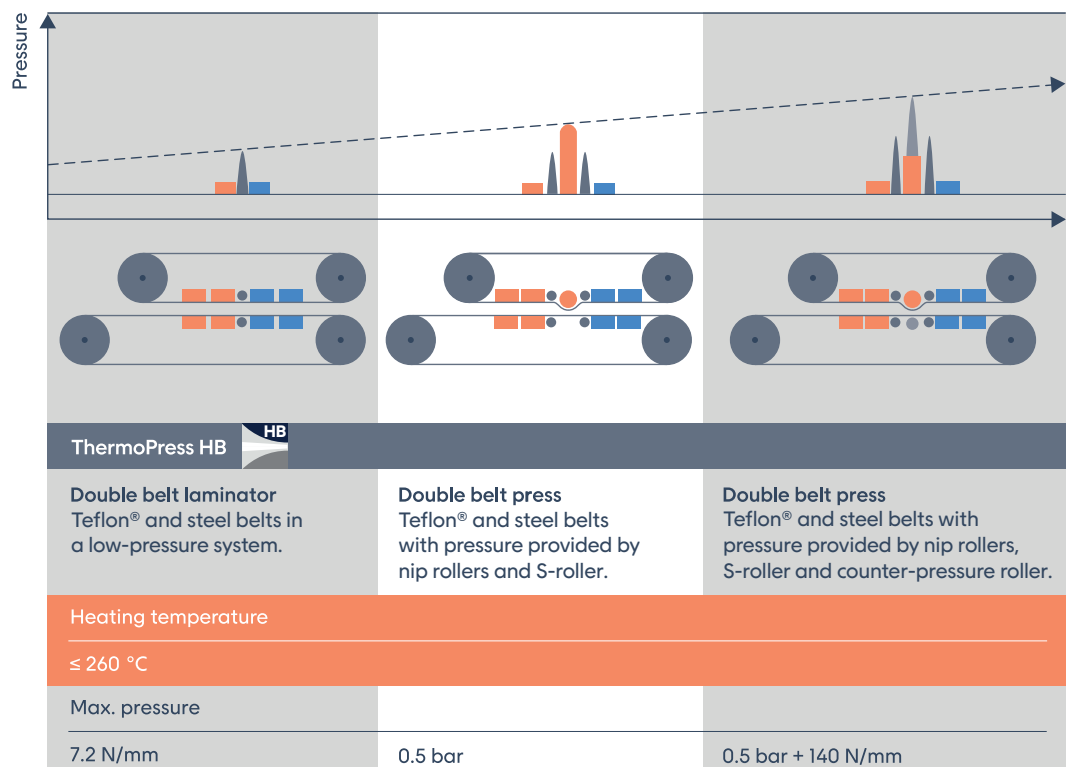
The hybrid design of the press – HB stands for Hybrid Belts – combines the unsurpassed release quality of a Teflon® belt with the unique surface structure of a steel belt, enabling the economical production of composite products with a Class A surface on one side.

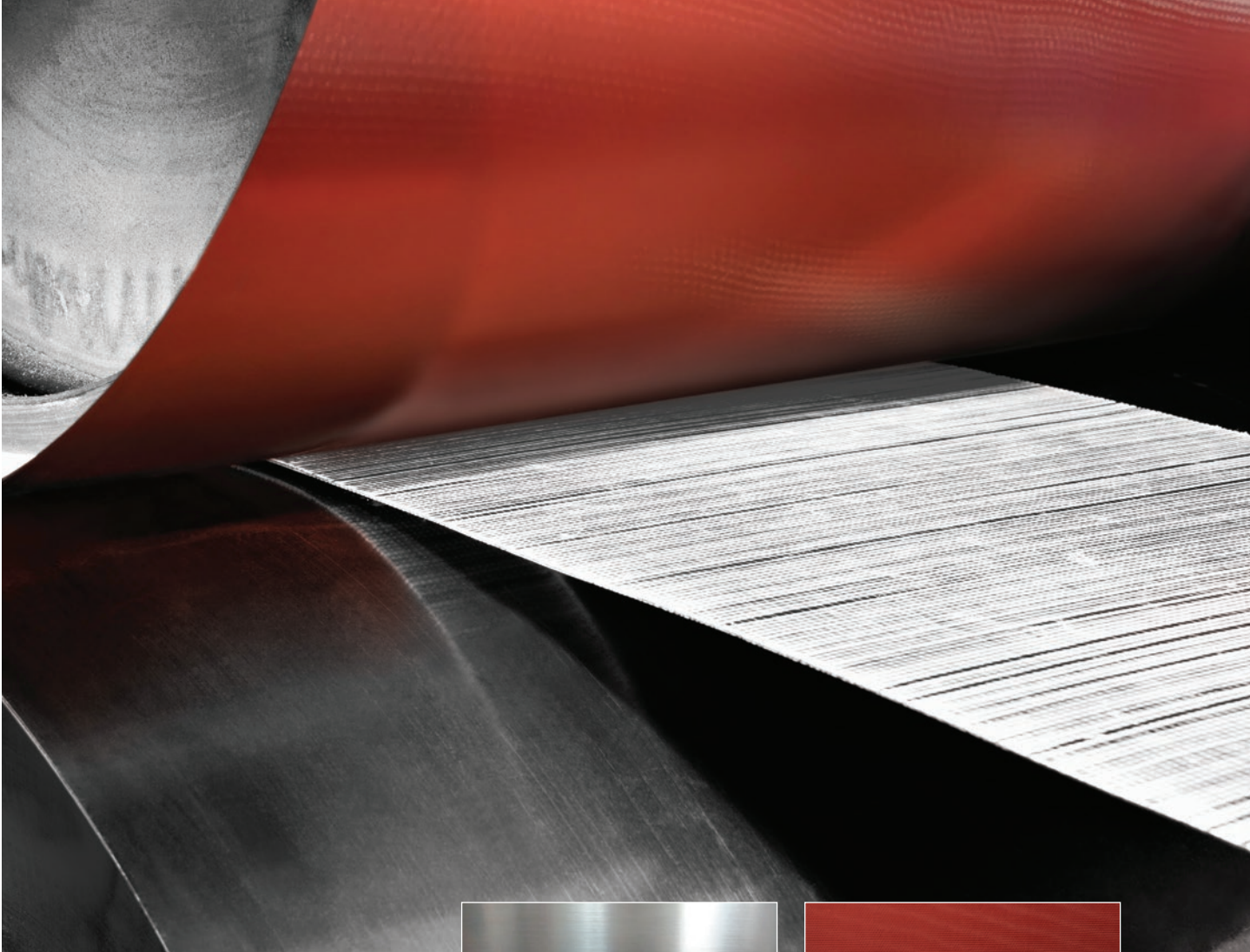
This makes it the ideal solution for products such as cladding, or the wide range of composite materials used across the automotive industry for interiors/exterior, body parts, RVs, trucks/trailers and containers.

Choice of pressure modules to suit different applications

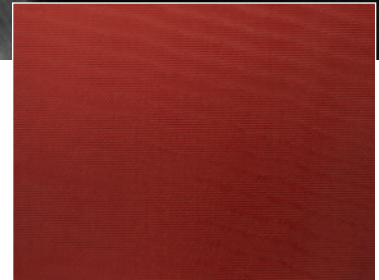
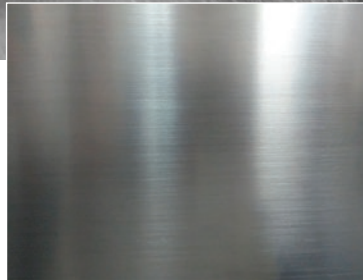
The system is based on our existing ThermoPress TB double belt press series, which uses Teflon®-coated belts top and bottom. In the HB series, the lower Teflon® belt is replaced by a steel belt.

As a result, a steel belt quality-surface finish can be applied to one side of the product, without the heavier engineering associated with a steel belt press.





ThermoPress HB double belt press:
the quality of a steel belt on a Teflon® press



The HB series is available with a choice of pressure modules, as shown in the diagram opposite:

- Nip rollers (7.2 N/mm).
- S-roller (0.5 bar).
- Counter pressure roller (140 N/mm).

Complete process solutions

This breakthrough engineering opens the door to higher quality end products with lower production costs. Systems can be supplied as complete, end-to-end solutions encompassing the ThermoPress HB double belt press, ScatterPro scattering units and all associated feed and downstream handling equipment. Materials can be produced in sheet or plate form, and steel belts can be supplied in widths up to 3 200 mm with custom surface finishes including embossed and mirror polished.

- Teflon® upper belt for release properties.
- Steel lower belt for Class A surface quality and exceptional durability.
- Steel belt performance, Teflon® belt press economy.
- Belts surface finishes to suit different applications; up to 3 200 wide.
- Pressure modules as per ThermoPress TB series.

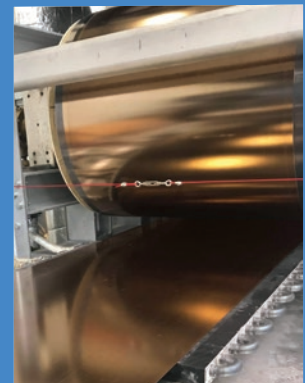
QR (Quick Release) steel belt option

Our HB systems can be supplied with IPCO QR belts, a surface treatment that dramatically improves ease of release.

Developed by IPCO's in-house engineering team, this innovative treatment creates a special surface finish that resists adhesion of other materials.

The key benefit is quick and easy product release without the need for films, liners or liquid agents, eliminating the cost of these consumables.

- Unique, patented surface treatment.
- Clean, easy release without films, liners or release agents.
- Economic and environmental benefits of eliminating consumables.
- Suitable for PP/PA6/PA66, foil, glass fiber/polymer, carbon fiber/polymer etc.



ipcs

—THERMOPRESS—HB—
DOUBLE—BELT—PRESS—
WITH—STEEL—AND—
—TEFLON[®]—BELTS—