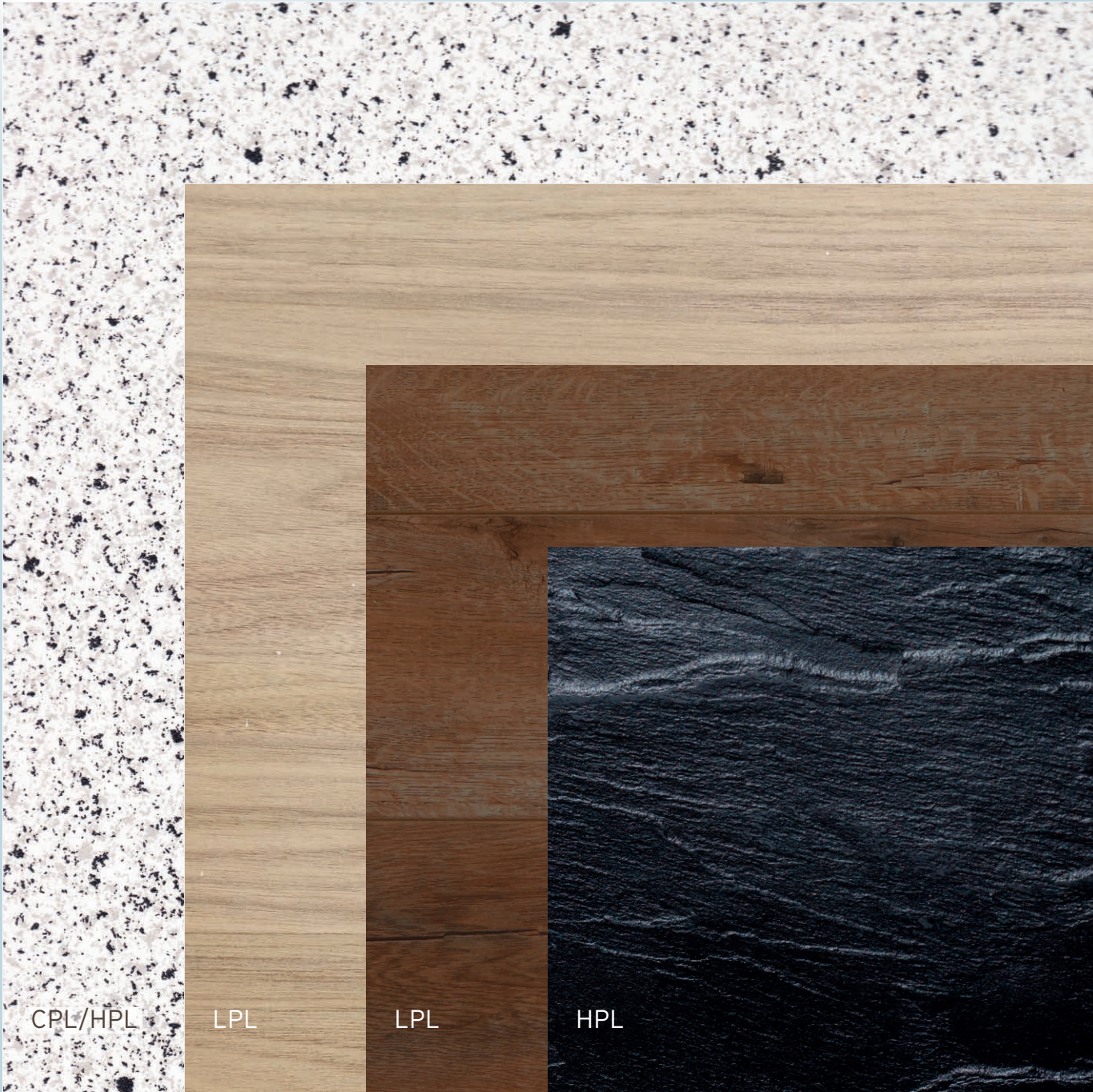


IMPREGNATION LINES



FINISH FOIL

CPL/HPL

LPL

LPL

HPL

No.1

WORLD MARKET LEADER!

VITS is the global market leader for impregnation lines. More than 900 VITS-lines are in production all over the world. 75 % of the worldwide production of decorative laminates is manufactured on VITS-impregnation lines.

For each type of impregnated product VITS offers the best solution: From economical and high-end furniture foils up to abrasion-resistant melamine floors, luxury work tops or weather-resistant exterior compact cladding.

We are member of the Deurotech Group GmbH. With our sister companies IFA Technology GmbH and Wessel-Umwelttechnik GmbH we offer a new dimension in impregnation technology. IFA is specialist for weighing, mixing and metering systems for solid and liquid components – tailor-made and fully automatic – for the perfect mixture. Wessel supplies industrial-scale systems for exhaust air purification and energy recovery and is a leading supplier of process systems in the area of environmental engineering.

FURNITURE SURFACES (LPL)

Melamine treaters for the impregnation of decorative papers used in furniture corpuses or fronts have a long tradition at VITS.

Today we offer sophisticated systems for maximum speeds (VITS-HIGHLINE) while achieving an absolute minimum input of raw materials. The application systems designed by VITS allow a two-stage application and with this a possible top coat (melamine). The synchronous pore has also found its way into furniture surfaces. Here, VITS offers special solutions for cut-to-mark and stretch control, in order to have your decor pressed according to the sheet metal structure.

Optimise your production with VITS and its partners – in terms of quality, quantity and costs. One VITS will match your production requirements from 15 to 115 million m² per year.

LAMINATE FLOORING (LPL)

VITS – as most experienced pioneer and supplier – is your best partner. Our patented application systems and technologies for – mostly with melamine resin soaked – decorative or overlay papers are unique.

Beside the application systems for liquid overlay (ARP) you can apply individual quantities and sizes of corundum with the VITS-scattering devices – for all abrasion classes up to AC6. This makes you flexible and pays off. Resin consumption measuring, web temperature measuring in the dryer or reduction of wastage by means of stretch control for synchronous pore: Your production is under control with VITS.

FINISH FOIL SURFACES

With VITS-lacquering lines resp. lacquering devices for finish foil production it is possible to produce high-class foil products (e.g. wall paneling and high-gloss furniture fronts), lacquered and hardened with a speed of up to 400 m/min. You can process aqueous dispersions, acid hardening or UV-coatings with plain or printed paper webs of up to 3 m width. We offer further widths upon request.

According to the requirements of your customers and their products you can manufacture in a one-stage or two-stage process. VITS-coaters can also be integrated into other types of lines to allow greater product flexibility and mixed production (melamine films, finish foil).

WORK TOPS (HPL, CPL)

For final products such as window sills, work tops, or laboratory surfaces, VITS offers tailor-made solutions for phenolic or melamine paper impregnation to you. Our corundum application units or scattering devices will increase the abrasion resistance of your products.

We also possess the required know-how in additives and resins to be able to produce modified papers for the required post forming (post and soft forming).

COMPACT BOARDS (HPL)

With their wide spectrum of colors and surface qualities they are in line with the trend: Architects and designers create modern exterior facades and interiors with compact boards, for requirements such as moisture resistance and increased fire protection.

For the impregnation of core papers with phenolic resin, VITS has developed bespoke solutions on our own pilot plant. Water-soluble and solvent-containing resins, bio-degradable and with different solid contents as well as recycled papers can be processed equally. A solvent concentration monitoring ensures safety and utilization of possible line speeds.

The reliable VITS-cross-cutter system allows to run maximum line capacities. Production of phenolic core papers roll-to-roll is possible for speeds up to 300 m/min. Paper dedusting, online measuring of temperature, coating weight and final moisture content enable a secure and reliable production. Optionally we supply resin preparation systems and exhaust air purification.



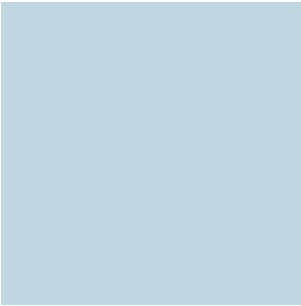
YOUR PRODUCTS



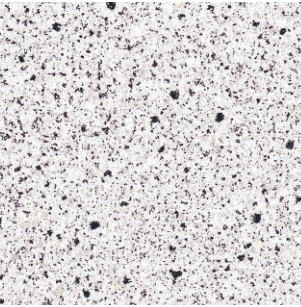
LPL
FURNITURE
SURFACES



LPL
LAMINATE
FLOORING



FINISH FOILS



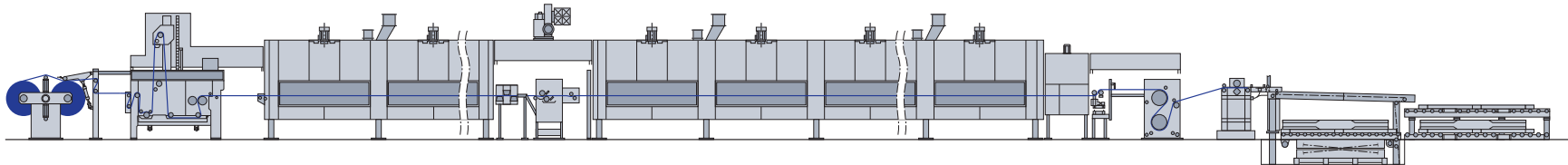
CPL/HPL
WORK TOPS



HPL
COMPACT
BOARDS

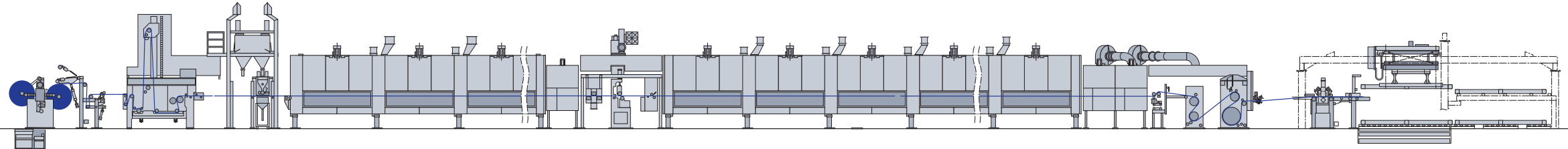
PROLINE

Speeds melamine up to 50 m/min
Speeds phenolic resins up to 75 m/min
Working width up to 2.3 m
Heating: gas/thermal oil/steam
Plant configuration:
- one-stage or two-stage design
- roll-to-roll or roll-to-sheeter production



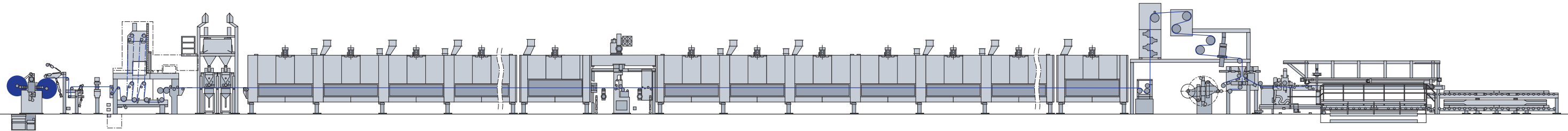
TECHLINE

Speeds melamine up to 90 m/min
Speeds phenolic resins up to 150 m/min
Working width up to 2.7 m
Heating: gas/thermal oil/steam
Plant configuration:
- one-stage, two-stage or three-stage design
- roll-to-roll or roll-to-sheeter production
- ARP or scattering device for flooring production
- optional: cut-to-mark and basis weight and moisture measuring



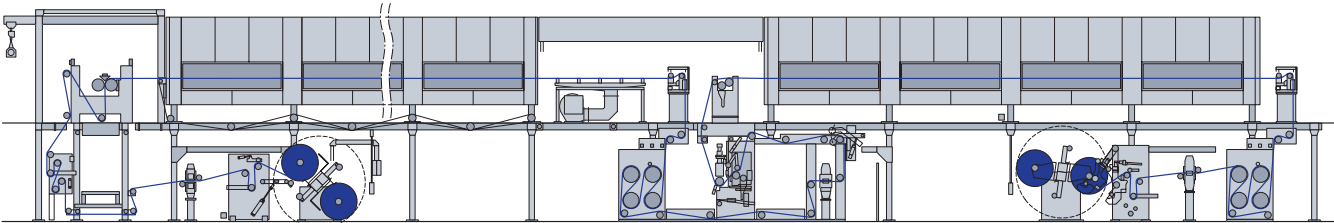
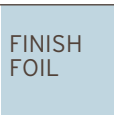
HIGHLINE

Speeds melamine up to 120 m/min
Speeds phenolic resins up to 300 m/min
Working width up to 3.0 m
Heating: gas/thermal oil/steam
Plant configuration:
- two-stage or three-stage design
- roll-to-roll or roll-to-sheeter production
- ARP or scattering unit for flooring production
- aoptional: cut-to-mark and basis weight and moisture measuring
- fully automatic web feeding



FINISH FOIL / LACQUERING LINE

Speeds up to 400 m/min
Working width up to 4.0 m
Heating: gas/thermal oil/steam
Plant configuration:
- multi-stage design
- roll-to-roll production
- optional: flexo-printing heads, basis weight and moisture measuring
- fully automatic web feeding

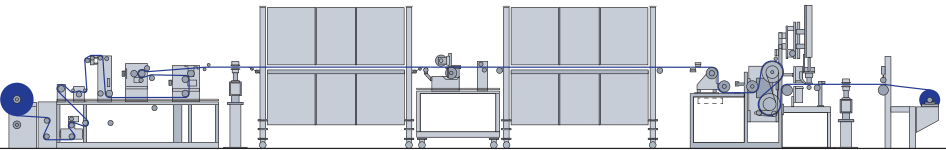


OUR LINES

LABORATORY PLANT

Speeds up to 300 m/min
In its laboratory facility VITS has got a fully installed pilot plant, where customers can either carry out

trials on new products with own resins or raw materials, or carry out technological adaptations to existing processes. VITS can also custom-design your own laboratory treater, so that you will be able to simulate production processes and test new products on site.





CLOSE TO THE CUSTOMER MAKES THE DIFFERENCE

By working together within the Deurotech Group we can offer the complete process chain from a single source. Clear responsibilities make technologies safer, synergies make your production more efficient and therefore more competitive.

VITS: TRADITION IN INNOVATION

- A lot of ideas and patents were developed by our process specialists, engineers and chemists.
- More than 900 supplied plants and references in the market guarantee a maximum of expert advice and know-how.
- Longtime experience in the realisation of national and international machinery directives ensure maximum safety.

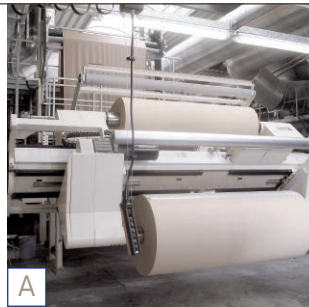
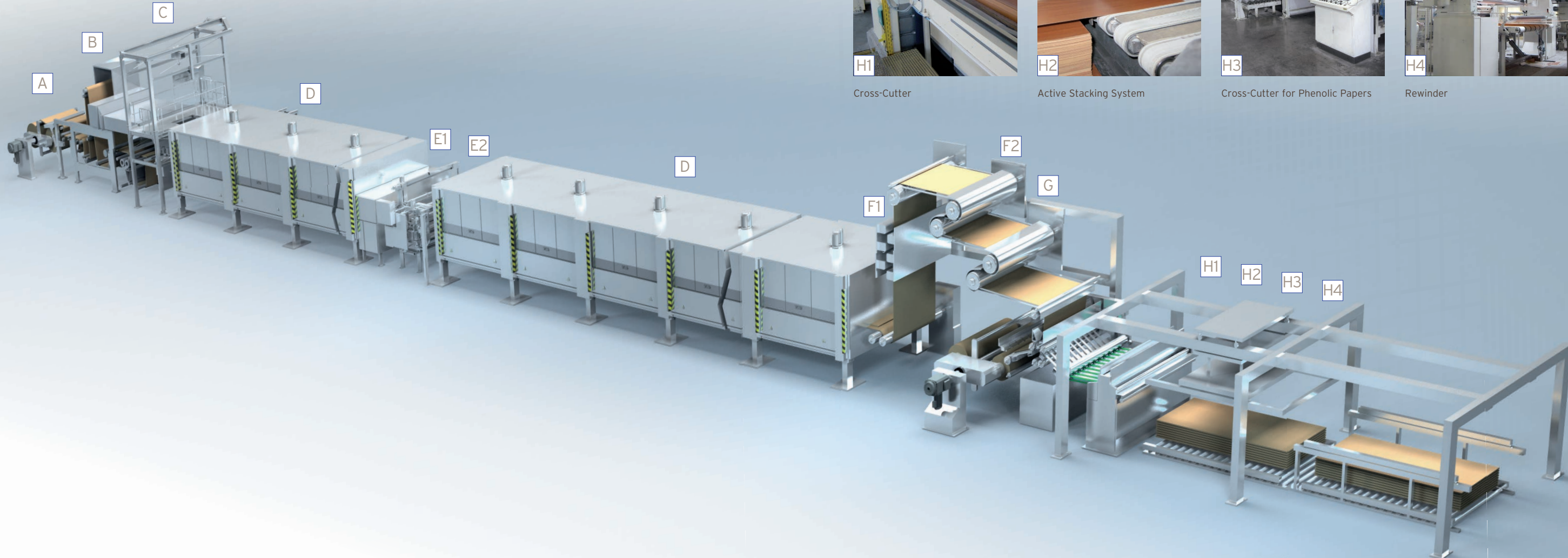
VITS: MODULAR CONSTRUCTION

- Speeds - and with this production capacities - can easily be extended.
- Pre-fabricated modules enable short delivery times and quick reaction to your requirements.
- Our project management brings together the relevant components - You start the plant.

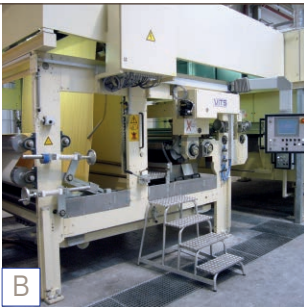
VITS: AFTER SALES SERVICE GUARANTEES HIGH AVAILABILITY

- Our service team can be reached 24/7 - also via remote maintenance.
- A worldwide service network creates short distances.
- Our spare parts management is flexible and has comprehensive stocks - to some extent also for aggregates of more than 30 years of age.

THE COMPONENTS OF A VITS-PLANT



Unwinder



Impregnation Device



Scattering Unit



LAY-ON-AIR®-Dryer



PRIMUS®-Application Device



Gravure-Roll Coater



Cooling and Pull Roll Stand



Dimension Measuring



Cross-Cutter



Active Stacking System



Cross-Cutter for Phenolic Papers



Rewinder



Wessel
Environmental Technologies

Members of  **Deurotech** Group

PRODUCTS | INDUSTRIES

Impregnation Lines	Wood Based Panels Industry
Weighing, Mixing and Metering Systems	Furniture Industry
Resin Reactors	Flooring Industry
Resin Technology	
Converting Lines for Filter Paper	Automotive Industry
Coating Lines	Glass Fibre, Carbon and Electrical Industry
Lacquering Lines	
Thermal Insulation Material	Building Material Industry
Exhaust Air Purification Systems	
Energy Recovery Systems	
Technological Consulting	
After Sales Service	

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