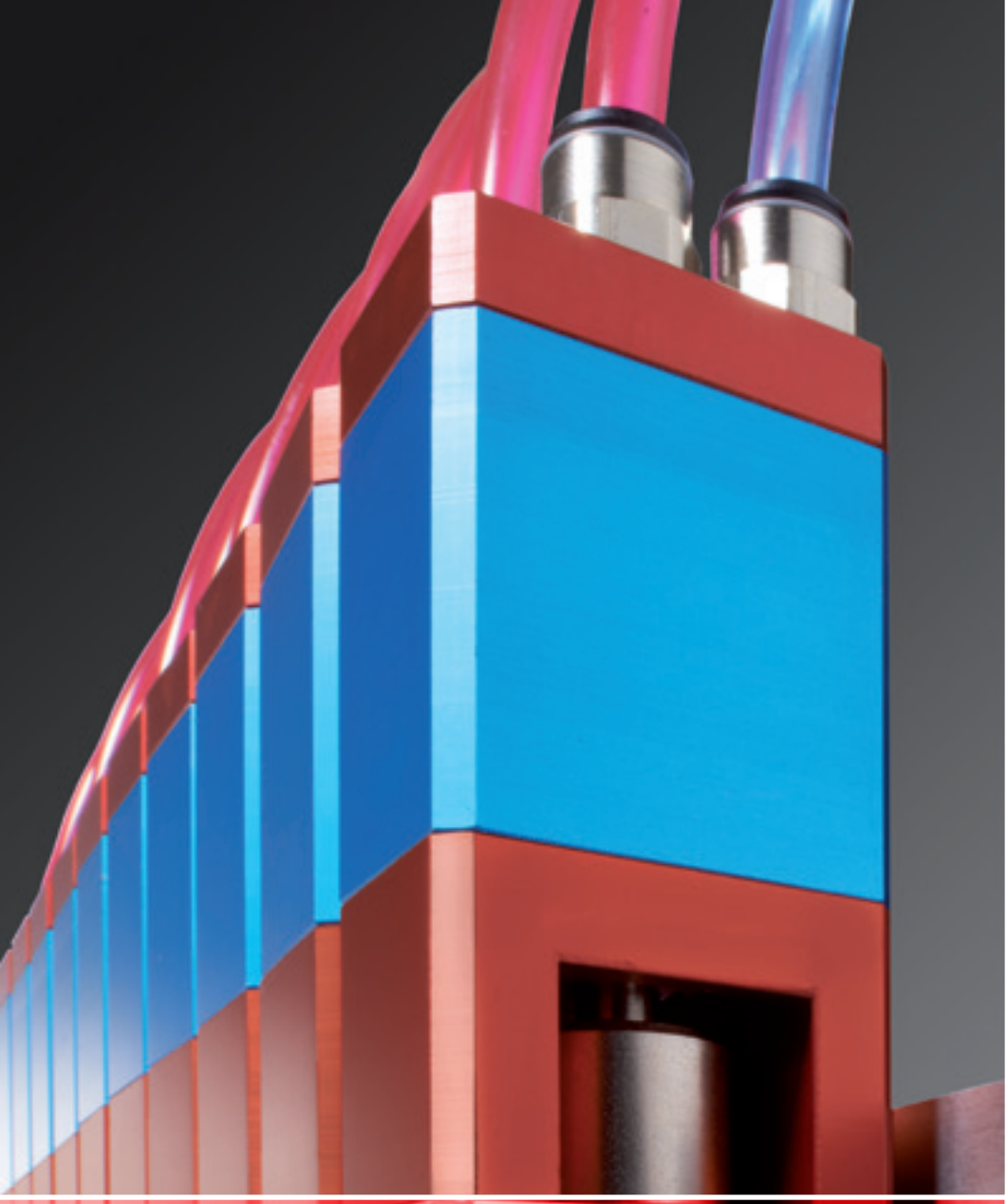
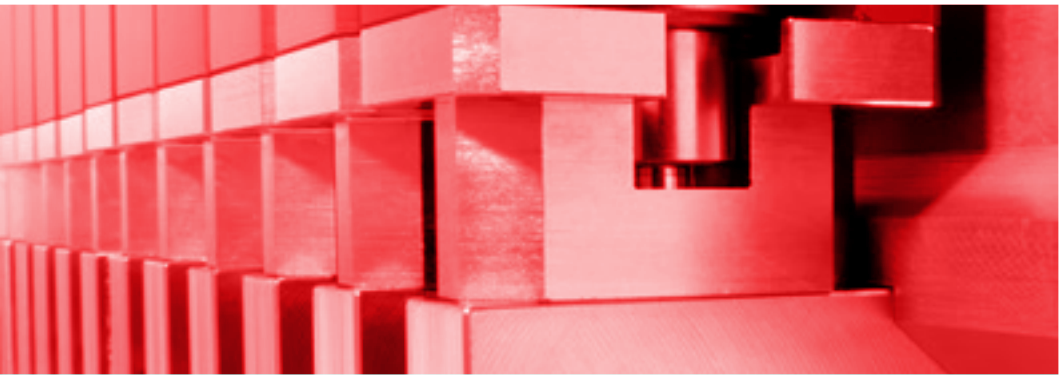
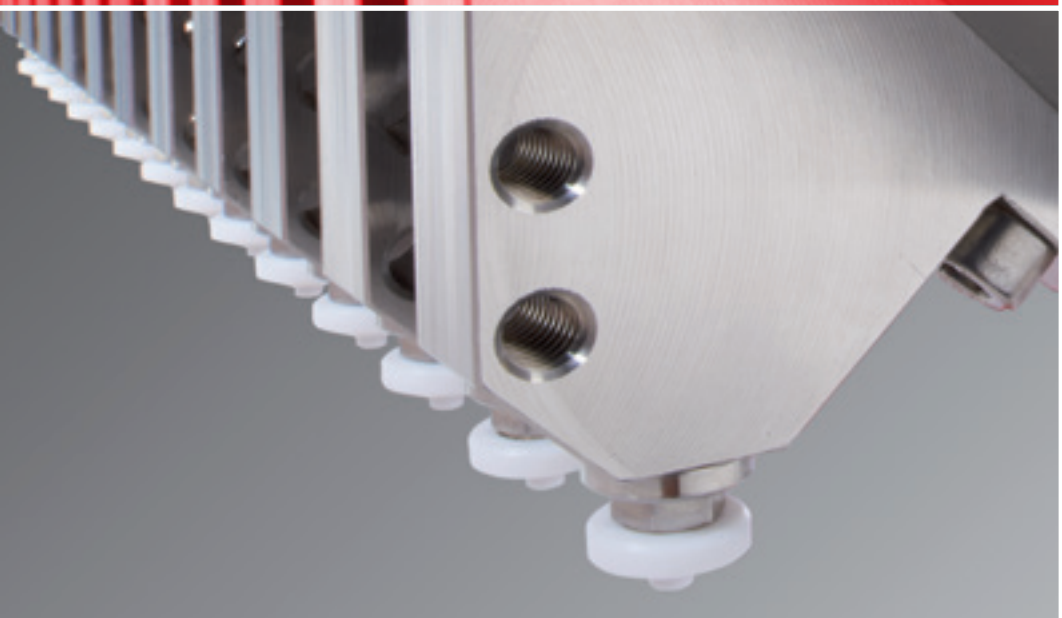
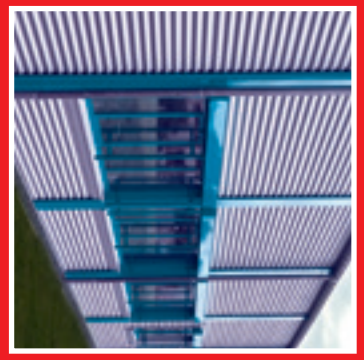


Adhesive dosing, mixing and application units





for the production of sandwich elements



Industries

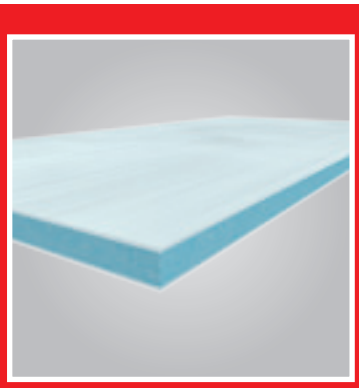
- Furnitures
- Windows
- Entry doors
- Insulations
- Partition walls
- Automotive
- Caravans
- Mobile homes
- Parapet elements
- Sanitary facilities
- Garage doors
- Ship building
- Cooling facilities
- Hall constructions
- Cladding elements
- Van bodies
- Cabin compartments
- Ceiling elements
- Exhibition stands
- Door panels

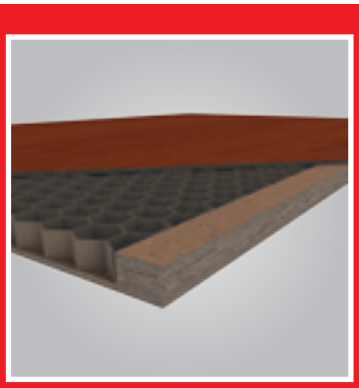
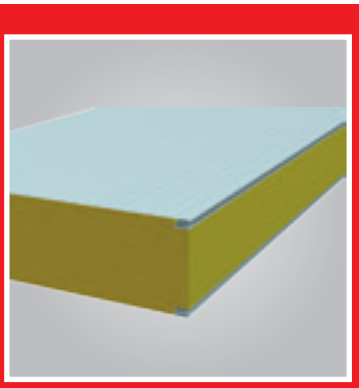
Applications

Composite panel	Core material	Covering
	rigid foam honey comb construct wood	Aluminium Sheet steel GRP Rigid-PVC Plywood HPL, CPL, HDF

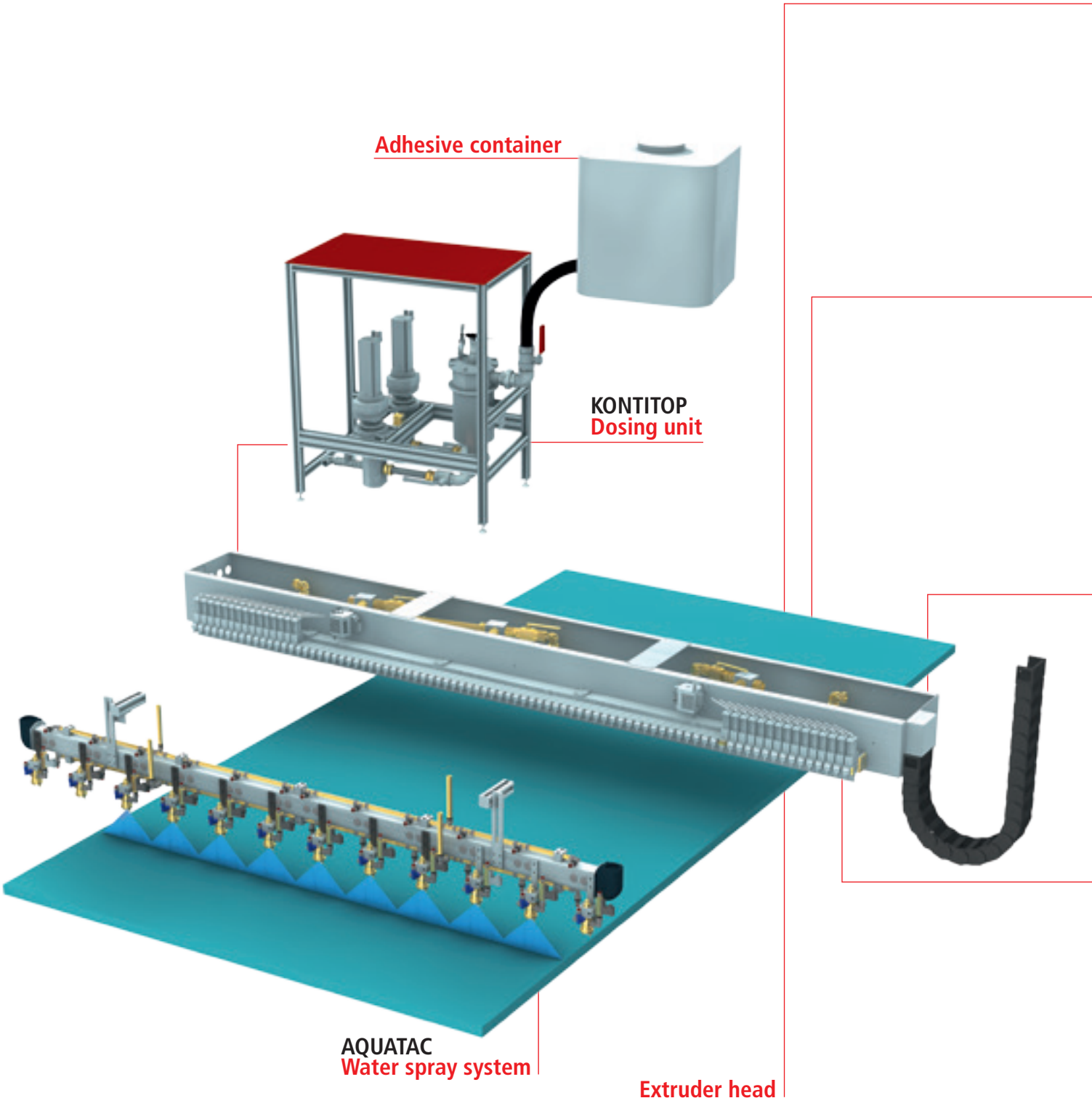
Building panel	Core material	Covering
	XPS/EPS foam PUR/PIR foam	Aluminium GRP Rigid-PVC Plywood HPL, CPL, HDF

Insulation panel	Core material	Covering
	XPS/EPS foam PUR/PIR foam Stone wool Glass wool	Aluminium Chipboard OSB MDF Plywood gypsum plaster board gypsum fibre board



Surface application for 1C adhesive systems
Series OA 100



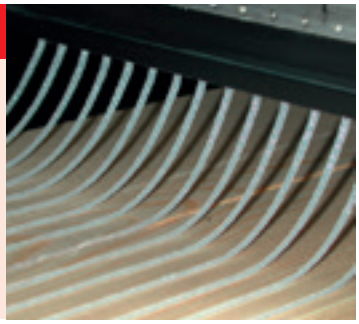
Value and advantages:

- Approved and reliable technology, owing to experience of many years in the adhesive dosage and application technology
- High production security by different monitoring devices along the entire dosing process

Customised solutions with Oest systems

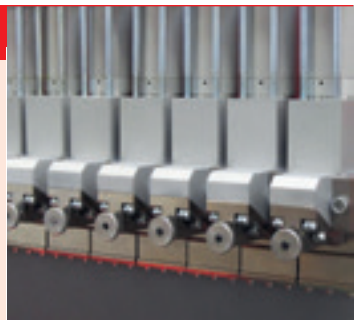
VALUETAC G

- Pouring pipe in combineable segments from 300–600 mm, with 1–2 adhesive valves per segment
- Thread distance 8–12 mm
- Manual adjustment of application width
- Manual closing of the extruder head via shutter bar



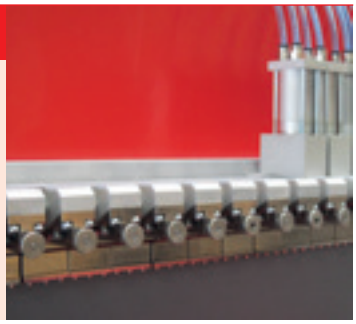
FACETAC FD

- Per valve 3 PUR threads are laid on
- Thread distance 9 mm or 12 mm
- Automatic adjustment of application width in patterns of 36 mm
- Quick-release nozzle inserts
- Sealing of the extruder head via covering bath of sealing liquid



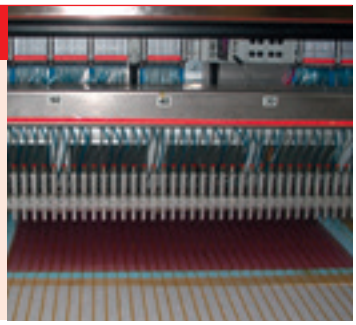
FACETAC FG

- Combination of a fixed part with pouring pipe and an adjustable part with triple-outlet nozzles
- Thread distance 9 mm or 12 mm
- Automatic adjustment of application width in patterns of 36 mm
- Sealing of the extruder head via covering bath of sealing liquid



PROFITAC FN

- Single needle valve for each PUR thread, thereby highest process reliability
- Thread distance at single-row 24 mm or double row 12 mm
- Automatic adjustment of application width
- Automatic sealing of the valve through the valve needle



Areas of application:

Application system for processing 1C-PUR adhesives for surface applications. For application width up to 3.500 mm and feeding speeds from 10–90 m/min.

Technical Features:

- Flexible connection to adhesive container or drum with silicagel filter
- Control receptacle with supply monitoring as intermediate buffer
- Consumption counter with warning limit to ensure adhesive container changes in time
- Frequency regulated dosing pumps for preccise dosing of adhesive
- Switch point control of adhesive valves through position measuring system and/or sensors
- Pressure monitoring in the dosing lines
- Different application heads, according to the type of production and desired degree of automation
- Self-developed, reliable adhesive valves for the application heads
- Switch cabinet and operator panel according to VDE-Standard

Accessories:

- Material supply systems for flexible set-up of the adhesive containers
- Integrated remote maintenance systems
- Networking via bus systems with other controls and host computers
- CAD connection
- Adhesive heating in the dosing line for improving flow capacity at lower temperatures
- Monitoring camera for adhesive application
- Water spray systems to increase the reactivity of the PUR adhesive
- Mechanisations

- Low cleaning effort, by engineered design of the adhesive application heads
- Savings of adhesive and cleaning costs, due to accurate and controllable adhesive application
- Optimal adhesive distribution at minimum application quantity, by adhesive application in parallel threads
- Automatic control of the dosing quantity via adjustable parameters like application quantity, spreading width and feeding speed

Surface application for 2C adhesive systems
Series OM 100

Areas of application:

Dosing-, mixing and application unit for processing 2C-PUR adhesives for surface applications.

Systems for manual draw of mixed adhesive, for semi-automatic hand application, as well as for fully automatic application are available.

Technical Features:

- Flexible connection to adhesive container or drum with silicagel filter
- Control receptacle with supply monitoring as intermediate buffer
- Consumption counter with warning limit to ensure adhesive container changes in time
- Self-developed high pressure metering pumps for accurate adhesive dosage
- Pressure monitoring in the dosing lines
- Mixing of the components with static-mixer
- Easy to clean extruder heads
- Switch cabinet and operator panel according to VDE-Standard

Accessories:

- Material supply systems for flexible set-up of the adhesive and hardener container
- Integrated remote maintenance systems
- Networking via bus systems with other controls and host computers
- CAD connection possible
- Adhesive heating in the dosing line for improving flow capacity at lower temperatures
- Monitoring camera for adhesive application
- Mechanisations

HYDROMIX

Dosing unit

- Self-developed high-pressure dosing pumps
- No dynamic sealings
- Maintenance friendly
- Low level of pulsation

Valve unit MKM

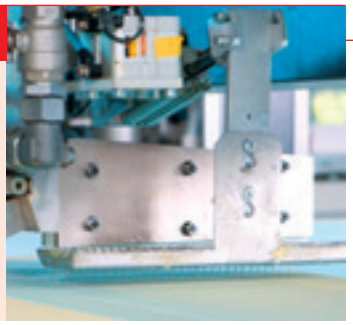
With static mixer

- One-way mixing elements
- Injection piece with self-developed valve technology

FACETAC MK-MSM

Surface application head

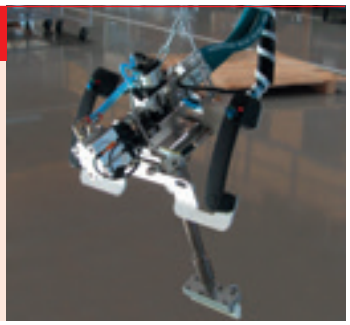
- For application width up to 300 mm
- Application width adjustment via changeable extruder inserts
- Easy to clean



FACETAC MKM-MH

Manual application unit

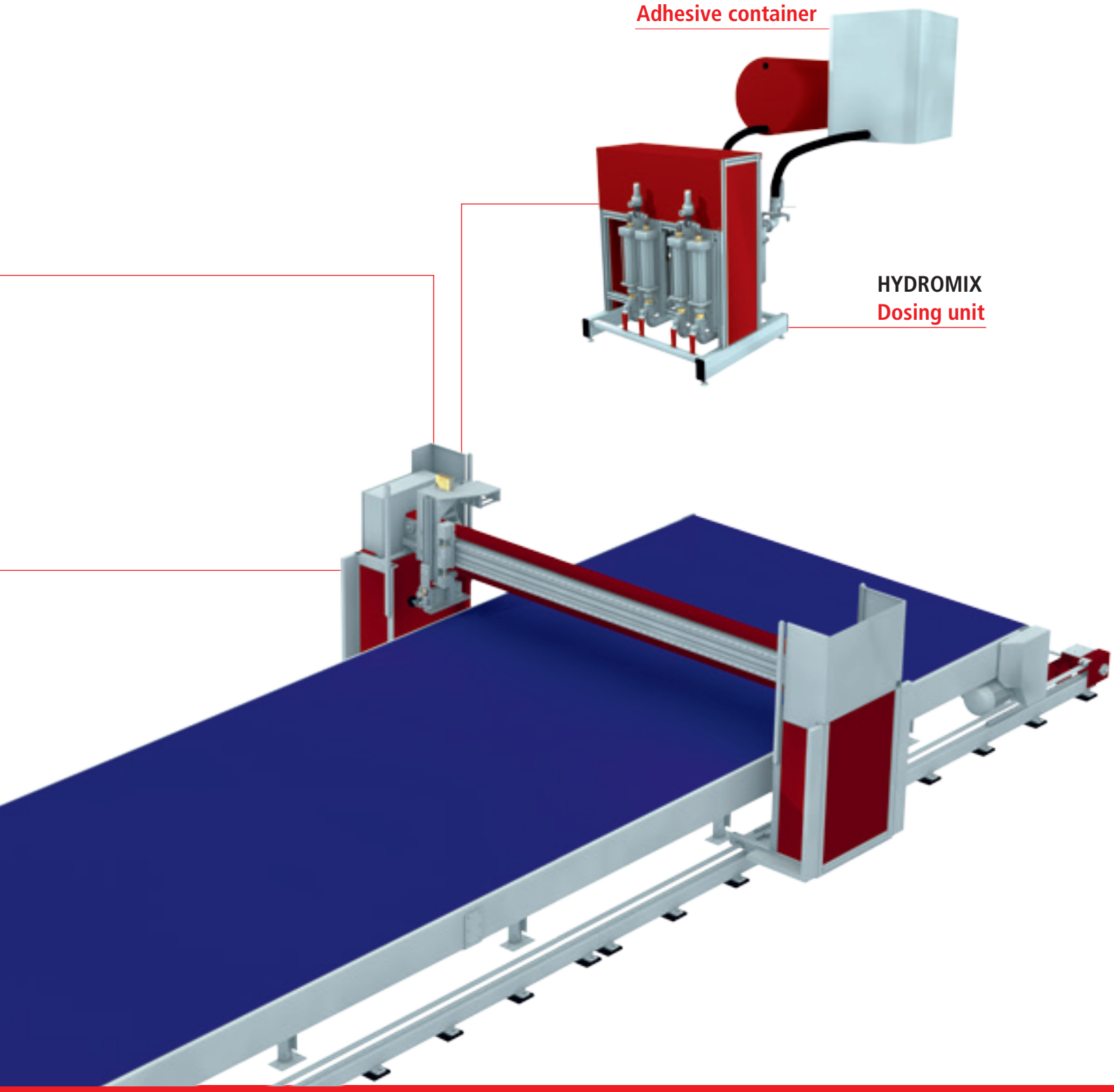
- Single adhesive threads or surface adapter up to 300 mm available
- Easy handling by overhead suspension via balancer



Value and advantages:

- Approved and reliable technology, owing to experience of many years in the adhesive dosage and application technology
- High production security by different monitoring devices along the entire dosing process

Perfectly connected



- Low cleaning effort, by engineered design of the adhesive application heads
- Savings of adhesive and cleaning costs, due to accurate and controllable adhesive application
- Optimal adhesive distribution at minimum application quantity, by adhesive application in parallel threads
- Automatic control of the dosing quantity via adjustable parameters like application quantity, spreading width and feeding speed

Innovative technologies for dosing and application of adhesive systems.

Oest GmbH & Co. Maschinenbau KG

Robert-Bürkle-Straße 7
D-72250 Freudenstadt
Fon +49 (0) 7441/539 - 400
Fax +49 (0) 7441/539 - 401
maschinenbau@oestgroup.com
www.oestgroup.com

OEST GROUP GERMANY

Mechanisations

Static portal

- The work-piece moves underneath the static portal
- For 1C-PUR Systems
- For work-piece width up to 3.500 mm
- Movement speed 10–90 m/min.

Traveling floor-portal

- The application head moves over the static work-piece
- For 1C-PUR Systems
- For work-piece width up to 3.500 mm
- Movement speed 10–90 m/min.

Traveling ceiling-portal

- The application head moves over the static work-piece
- For 1C-PUR Systems
- For work-piece width up to 3.500 mm
- Movement speed 10–90 m/min.

Outlining portal

- The application head moves meandering over the static workpiece
- For 1C- and 2C-PUR Systems
- For work-piece width up to 3.500 mm
- Movement speed 10–40 m/min.