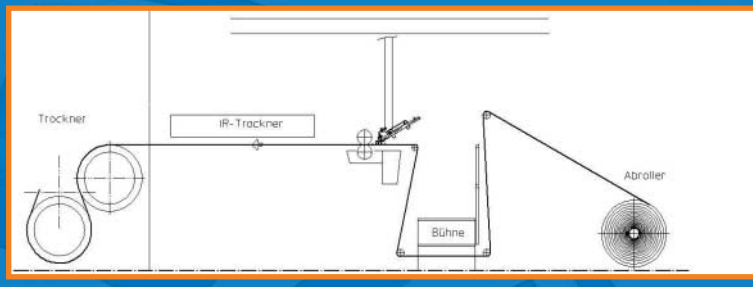
GB

FOAM-Applicators

The HANSA INDUSTRIE-MIXER sales program offers a wide range of systems designed to precisely apply the foam directly from the foam generator onto the web material.
Such systems are described as foam application unit, foam applicator and / or foam manifold.



Light foam application on web materials

Performance:	**up to 200 kg/h**
Foam weight:	**starting at 20 g/l**
Working width:	**customized; up to 6 m, can be reduced automatically or by use of adjusting wedges**
Foam connection:	**threaded pipe DIN 11851**
Belt speed:	**5 – 80 m/min**
Including:	**foam application unit and support**

Foam application unit: Trapeze shaped device - totally enclosed and entirely manufactured from stainless steel - for uniform application of foam from the HANSAMIXER onto a textile or carpet web.
Including drain cock at the lowest point and dripping pans for foam and cleaning water next to the nozzle opening with discharge socket and drain hoses.

Nozzle support: Stainless steel support for attachment of the foam application unit either beneath or above the material web; made to customer requirements.
The unit is positioned within the frame such that it can be removed from the material web by means of two pneumatic cylinders or pressed onto the material web by means of a defined force.

Operation: All required operating elements are easily accessible and located in the neighbourhood of the foam nozzle and/or foam mixer.

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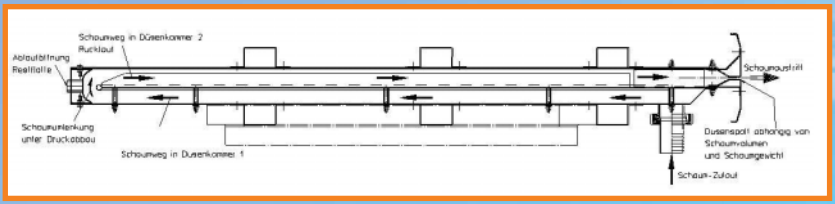


Air system including: Pre-pressure control with pressure gauge and solenoid valve, for attachment to machine support near unit.

Function: When starting the HANSAMIXER, a bypass system is used to transmit the mixture to a collecting tank until the required foam quality is obtained.
After attaining the specified foam quality, the foam is transferred into the application unit before it is automatically transported onto the material web by means of a lifting device so as to enable the foam to penetrate into the material.
In the event of production downtimes, the application unit can be removed from the material web. The production of foam in the mixer is interrupted while the foam valve serves to stop the foam supply to the application unit. The excess foam relaxes and is transported into the dripping pans underneath the application unit and can possibly be reused as mixture and transferred back to the foam generator.
When the system is re-actuated, the unit simply returns to its initial position thus enabling production to be restarted without any loss of time or waste.

FOAM-MANIFOLD

Performance: according to layout

Foam weight: starting at 50 g/l

Working width: customized; up to 5 m, can be reduced by use of adjusting wedges

Foam connection: threaded pipe DIN 11851

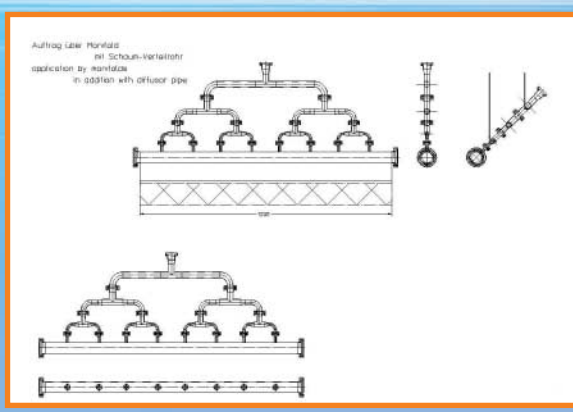
Belt speed: 5 – 80 m/min

Including: foam manifold and foam distribution pipe with support

Foam manifold: Pipe system for connection to foam hose, entirely made of stainless steel, for attachment either beneath or above the web; including screw connections after pipe branchings. Readily removable for easy cleaning after production.

Distribution pipe: Stainless steel collecting pipe for attachment after outlet openings of manifold. Equipped with apertures on opposite side to ensure uniform foam application on web.

Function: The manifold including foam distribution pipe is attached either beneath or above the web using a suitable support.
The HANSAMIXER is designed to transfer the foam into the hose connection. The pipe system branches out while diameters are reduced after each branching. A foam distribution pipe is fitted to the outlet of the manifold and serves to collect the foam before it is discharged through the apertures onto the web.
Threaded connections are integrated in the pipe system after each branching in order to enable easy cleaning of the manifold.



Subject to technical modifications

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