

WE ARE GLASS PEOPLE

HEYE SPRAY SYSTEM



HiPERFORM

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SPRAY SYSTEM

The spray system is integrated in the SpeedLine IS-Machine. By the use of dosing pumps it sprays finest spray mist on the shear blades and scoops. This ensures a reproducible gob loading, strong cooling effects and wear reduction.

Description and function

The shear blades and the gob distributor funnel are continuously sprayed via appropriate spraying bars with a mixture consisting of treated water, compressed air and additives. The mixing unit which is arranged on the scoop beam allows to inject the additive either in compressed air or water. Via pressure regulators the amount can be set

without leaving the correct mixing ratio. For the shear blade spraying this is ensured by digitally measuring the volume flow.

The dosing amount is controlled and set via the HMI touchscreen which is located in the machine upright of the SpeedLine.

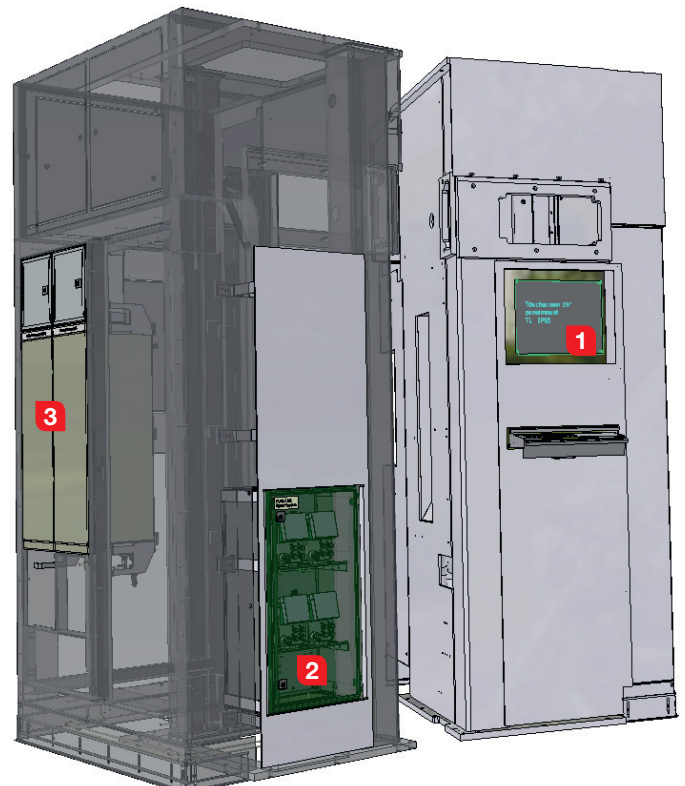
- Optional SpeedLine module
- Intuitive and simple operation via the HMI touchscreen
- Optimal arrangement of the mixing unit, good view on shears and scoops
- Well-proven and reliable components
- Complete stainless-steel design
- Big tanks for additives
- Protected pipe routing into the machine frame
- No installation required when the machine is mounted (“plug and play”)



Design

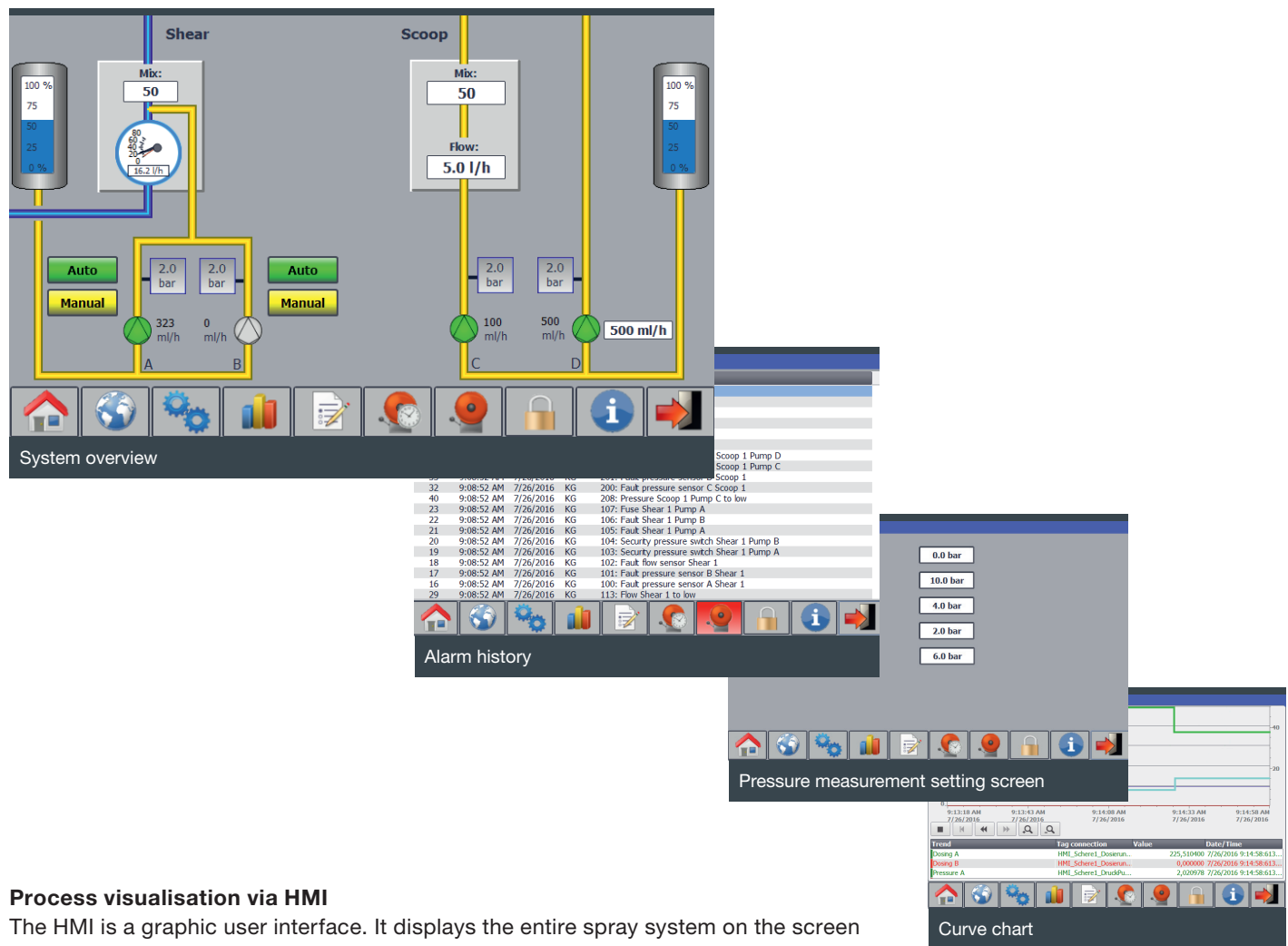
The dosing system is installed in the machine upright on the blank mould side and consists of the following components:

- 1 HMI touchscreen
- 2 Pump module to dose the additives to be pumped into the mixing unit
- 3 Two storage tanks for the additives
- 4 The mixing unit is located on the scoop beam



PROCESS VISUALISATION

The operation of the system, the visualisation of the operating conditions and statistics is made via a graphic user interface on the HMI touchscreen and offers comprehensive information.



Process visualisation via HMI

The HMI is a graphic user interface. It displays the entire spray system on the screen and serves as central input and control unit. The operator gets a comprehensive overview on all operating conditions and consumption data of the system.

- User management (log-in)
- Schematic system overview
- Coloured identification of the operating conditions
- Tank filling level indication
- Alarm messages and alarm history
(are displayed on the screen and indicated by a lamp on the control cabinet)
- Settings directly via the screen
- Display of consumption data in statistical form and as curve chart

OVERVIEW

Advantages

- Minimum consumption of water and additives
- Permanently reliable dosing of the mixing ratio
- Precise setting and easy handling
- Easy and safe maintenance

Technical Data

- Dosing range 6 to 60 litres per hour
- Operating temperature up to + 60°C
- Tank filling capacity 2 x 60 litres
- Operating voltage AC 230 V± 10 %; 50/60 Hz
- Power approx. 300 W
- Fuses 16 A

Scope of Delivery

- Control unit
- Pump module
- Storage tanks
- Mixing unit
- Shear blade spray unit
- Scoop spray unit
- Spray unit for GLS funnel box (optional)

Possible applications

- Shear blade spraying
- Scoop spraying
- System to optimize the gob loading (e.g. GLS)
- For all common SpeedLine IS-Machine sizes

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