



CMC TEXPAN
Machinery and Technology

GLUE KITCHEN

Accurate preparation of the glue mixture





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The **glue kitchen** consists of a storage and dosing of the different components of the glue mixture, as well as for their continuous and controlled metering, according to the present throughput values. The glue mixture is made up of the glue and additives, such as hardener, urea, paraffin emulsion, water, PDMI and dyeing agents.

Compared to the conventional system on the market, CMC TEXPAN new glue kitchen has the follow peculiarities:

- economical;
- simple;
- versatile;
- very low maintenance.



STORAGE/PREPARATION:

- preparation of the common additives such as hardener and urea, using tanks with agitators;
- filtering groups for the components to remove encrustations or foreign bodies;
- transferring pumps with magnetic joints to handle aggressive fluids.

DOSING:

- continuous and controlled metering, according to the recipe throughput values;
- separate metering of every components of the glue mixture;
- combination of mass-flow meter and magnetic flow meters depending on the product used;
- mono dosing pump driven by frequency converter to ensure a very precise regulation and metering;
- level sensors for dosing tanks;
- pressure sensors and automatized valve to have a full control of all the process of metering;
- static mixers to ensure a correct mixing of all the components.

The system can be also equipped, as an option, with a dosing tank with a transparent, graduated vessel used for instruments calibration during start-up. If necessary, the vessel can be used to run verification tests on every single component, without stopping production. The test is completely automatic, managed through PLC and it can be set via operator panel.



Advantages:

- mass flow-meters measurements are not affected by density variation;
- intermediate storage vessels are not necessary;
- no errors caused by twisted and dirty wire connecting float and encoder;
- no foam or floating sludge that can affect the measurement;
- very clean system;
- very low maintenance;
- no problem of clogging during long downtime periods.



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