



IFA BINDER SYSTEMS

for the production of mineral wool



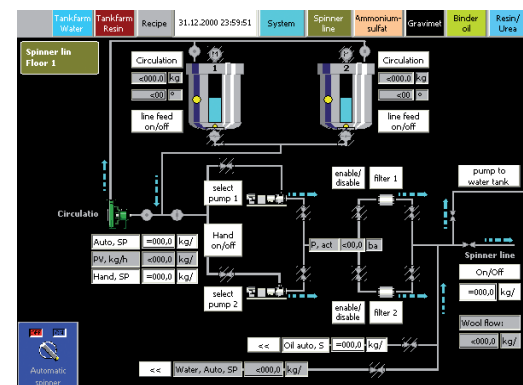
For the production of glass wool and stone wool the mixture of the binder is very important for the quality of the final product.

The company IFA designs, manufactures and installs (turn-key) the appropriate plant you need for your production process. We can offer you a complete solution beginning with the storage of raw material, binder mixing units or inline dosing at the fiberizer units and spinning machines – manual or automatic operation.

Via a defined recipe the different components (e.g. resin, urea and other chemicals) can be mixed together according to the requested accuracy and quantity.

The binder system can be controlled with all current PLC systems (e.g. Siemens, Allen Bradley and others). For the visualization (HMI) it can be used WinCC, WinCC flexible, Intouch, Foxboro and others.

Tank-farm Water		Tank-farm Resin		Recipe		31.12.2000 23:59:51		System		Spinner line		Ammonium sulfat		Gravimet		Binder oil		Resin/ Urea	
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Action	Component	Rated value		Mixtime															
13		<0000000000000000		=000,000 kg		=00 s													
14		<0000000000000000		=000,000 kg		=00 s													
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Resins
Acid
Phenol formaldehyde
Lignin
Silanes
Silicone
Coloring means
Urea solutions
etc.

Building chemistry
Building material
production
etc.

The division of insulation materials of the IFA Technology GmbH offers customised solutions for the production processes of mineral wool.

Binder preparation, binder storage

Planning, design, construction, assembly and start-up of:

- Reactors for the PF/Urea resin production, including heating and cooling systems and accurate control of the necessary reaction temperatures
- Metering and conveying of solids
- Systems for the production and metering of oil emulsions
- Fully automatic systems for silicone preparations
- Fully automatic gravimetric binder preparation systems with automatic metering of all necessary components and data logging
- Storage tanks for the finished binder, as well as redundant conveying and filtering units

Supply of the fiberizer

A fully automatic and modular built conveying system to supply the spraying rings of the plant with binder, ensuring a reproducible and constant product quality. The monitoring and sensitive controlling of all process-relevant parameters, secure an economic application of the raw materials. The partially redundant execution of critical components guarantees a high availability system and contributes considerably to the working reliability of the entire production.

IFA

Engineering
Development
Construction
Production
Dispatch
Service

Globally present –
world-wide excellent



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