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.

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 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.