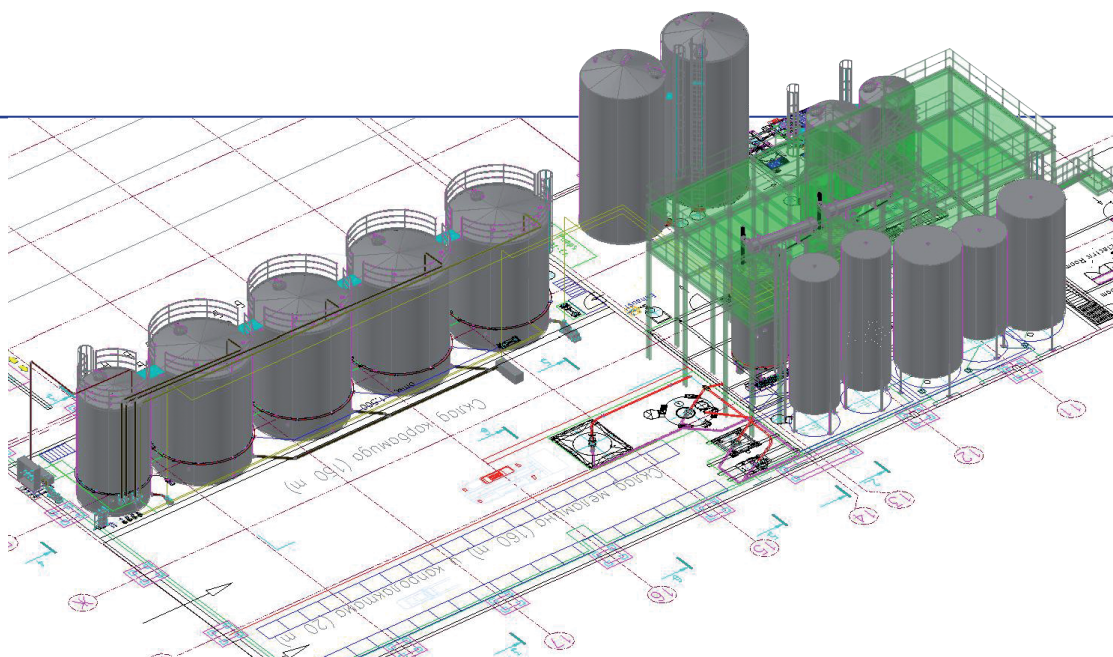


REACTION SYSTEMS FOR RESIN POLYMERISATION

Production of resins and adhesives
with low formaldehyde emission



EXPERIENCE, QUALITY AND RELIABILITY

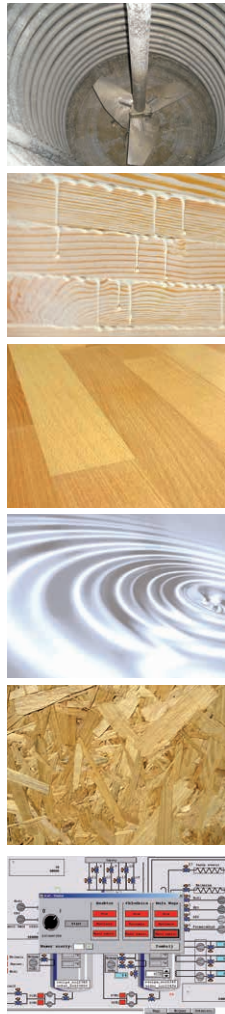
The interpretation of reaction systems for polymerisation of resins is mainly based on quality and durability today. Security, reliability, economic and ecological aspects determine the ambition at IFA Technology to design, build and deliver a completely designed system for the user according to his specifications and to operate it on-site.

As a global company, we are available for our customers as a partner for system-related services. With our employees, we will prepare complete solutions from design to installation management and maintenance.

The production of reaction systems is essentially determined by the required production volume of plates or impregnating materials. There is a direct connection between interpretation, pipeline construction, assembly and electronic control. For many years these aspects have determined the technical development at IFA Technology.

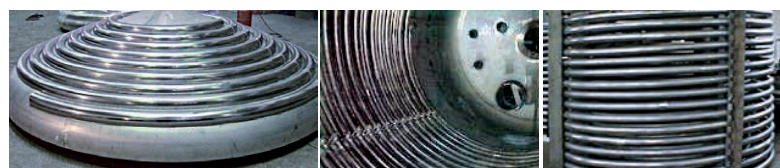
Technology for the future

In many years of cooperation with partner companies, we offer the technology needed for the resin and adhesive in manufacture with low formaldehyde emission (E1, CARB2, F****) in the industrial segment. These include resin/adhesive formulas according to requirements and customer specifications, the service for quality improvement as well as the optimisation of the processes in the course of the procedures. Whether UF, MF, MUF adhesives or resins.



Formaldehyde
Urea
Melamine
Diethylene glycol
Process water
UFC
Formic acid
Ammonium sulphate
Sodium hydroxide
solution
Triethanolamine
Caprolactam

Engineering services
Programming
Visualisation
Assembly & training
Switch cabinet construction
Maintenance



WE CREATE PREREQUISITES

Impregnating resin:
Urea-formaldehyde
Melamine-formaldehyde
Phenol-formaldehyde

Wood glue:
MUF
UF
MF

MDF/HDF plates
OSB plates
Chipboard
Panels
Impregnation of
decorative paper/finish
films

Turn-Key

Turn-key reaction systems by IFA Technology create the prerequisite for industry to manufacture qualitatively and quantitatively efficient products. Including detail engineering, individual programming, installation of switchboards, steel- and pipework building and erecting of silo and storage tanks. We assume responsibility and supervision by project management – IFA implements your production plant turn-key.

Control and programming

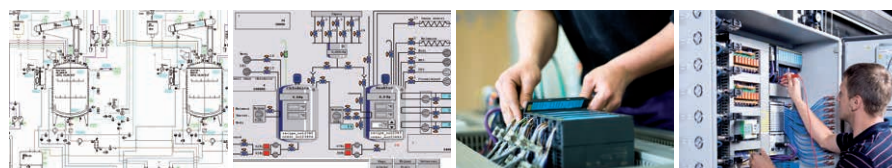
Creating customer-specific controls on the basis of PLC systems, visualisation systems and database software.

Electrical engineering and switch cabinet construction according to international regulations and applicable guidelines for explosion protection.

Standards and safety for your success

Buzzwords such as MOT certification according to §19 I of the Water Resources Act or ATEX approval 94/9/EC are no awards at IFA Technology but the foundations and cornerstones of the daily activity and action.

Due to the requirements in accordance with EU standard AD2000, ASME or GOST standard, the containers are designed according to the most modern manufacturing processes. ATEX calls for the necessary security aspects in order to minimise an explosion hazard when dealing with resin/glue reaction plants. Due to the specifications for pressure vacuum resistance, the designers of reaction containers must meet the highest standards. Together with the long-standing know-how, the IFA engineers create the prerequisite to always satisfy their customers and to continually develop themselves further in the service of the customer.



IFA SYSTEMS WORLDWIDE

Product range:

- Reaction systems for resin/adhesive production
- Fully automatic weighing, mixing and dosing systems for impregnation and epoxy resin
- Adhesive systems for chipboard and MDF boards
- Customer-oriented complete solutions in the areas of:
 - Impregnation and coating systems
 - Paints, coatings and building materials industry
 - Engineering plastics and bulk materials
 - Systems for service water cleaning – flocculant systems
 - Glass and rock wool industry
 - Animal feed industry
- Silo and tank farm, pipeline construction
- Big bag handling
- Control and programming
- Service (initial set-up, assembly, maintenance)

IFA advises
from your first
consideration

IFA develops
the technically and
economically
optimum solution

IFA realises
from planning to
production

Our skilled professionals ensure the coordination and monitoring of the system installation on-site. This way, we can guarantee a timely implementation of your project and customer requirements can be taken into account at any time.

Service and support

IFA Technology offers global commissioning, staff trainings, system maintenance and repairs. This is our understanding of quality and service.

Your challenge – our passion.
Talk to us.



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