

## STANDARD PLANTS

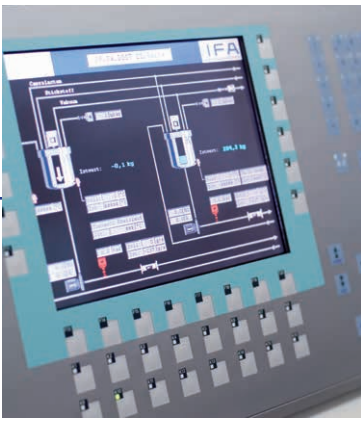
Gravimet • Preparation station • Solid and  
Liquid metering

**IFA**

Engineering  
Development  
Construction  
Production  
Dispatch  
Service

Globally present –  
world-wide excellent





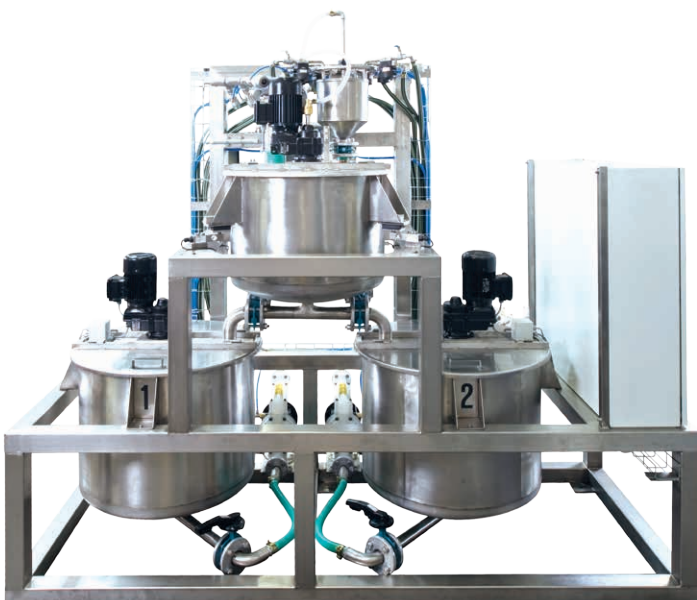
## GRAVIMET

Fully automatic weighing, mixing and metering plants



### Example of a unit

- Gravimet upper section with pigment, small component and main scale.
- Main scale with two openings as optimal access for cleaning
- Small component scale with quick release system for toolless disassembly, cleaning and maintenance
- Maintenance walkways can be adapted to local conditions
- 4 storage vessels for the different components



## COMPACT UNIT

The IFA compact units are complete, pre-mounted ready for operation, weighing, mixing and metering plants for two consumers with up to 10 mixture components.

- Achievement 1200 kg/h for two consumers
- 2 resin components
- 6 additives
- Automatic and manual operation
- Including all pumps from and to the unit
- Designed to fit into a sea-container
- Unit completely installed and ready for operation
- Plug and Play
- Usable as a mobile unit



# PREPARATION STATION FOR SOLIDS AND LIQUIDS METERING

In the preparation station solids of various types are added to liquids.

- Docking station for dust free filling of the storage vessel with solids (e.g. corundum, sugar, acid)
- Discharge support by means of an agitator and simultaneous grinding of larger components
- Machine attached operating panel
- Metering of small and large components
- Mixing by means of a disolver disk
- Extraction system for dust free operation (Industrial safety)



The ATEX-preparation station comes with certified parts, EG-CE manufacturer explanation and an ATEX compliance guarantee including a single report of a notified technical authority.



# FULLY AUTOMATIC WEIGHING, MIXING AND METERING PLANTS

Our fully automatic weighing, mixing and metering plants are mainly directed at the wood industry. With the different applications variable types of coatings for furniture, kitchen worktops, laminat flooring etc. can be produced. We offer individual solutions from economic standard plants up to special comfort solutions.

## Plus points:

- Highly exact dosage of different components
- Weighing and mixing simultaneously
- Parallel supply of several consumers with different mixtures
- Self cleaning during the process, rinse cycle freely programmable
- Automatic dosage of fine components starting from 20 g
- Drip flow optimization: For dosing the filling speed is not relevant
- Flexibility of small starting quantities for mixtures with fast response times
- Product-affected parts made of acid-proof high-grade steel; frame parts made of high-grade steel 1.4301
- Structure for mixture data according to individual needs
- Gravimetric weighing within freely selectable tolerance guidelines
- Consumption data are reproducible
- Combined use of dosing and differential scales possible
- Parallel metering by synchronization of the scales
- Process stability by automation
- Plants also in ATEX version

Building materials  
Insulation  
Wood  
Paper  
Plastic production

The units are assembled in house by IFA commissioning staff, preset, calibrated, and tested. This guarantees a short start-up time.



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