



Mixer Company  
high quality foam for your business

# MC-Foam WP

Dynamic Foam Mixing System  
**for foaming of water-based adhesives**



## Foam Is The Solution

easy, clean, efficient

Whether displays, laminates, tube winding, veneer edges or simple edges systems have one thing on common: their high consumption of adhesives/glue in the production process.

Adhesives are generally made up of polymers, filling material, water and additives.

Due to a high degree of humidity, the drying process is connected with high effort and costs.

Exact metering of adhesives is difficult and the surface structure is affected by penetration of humidity into the application surface.

This problem can be solved by integration of a foam mixing system into the production process.



## Five Good Reasons

for the Foam Mixing System MC-Foam WP

The drying intervals are considerably reduced by shorter setting times. This leads to savings in the drying process and/or increased production speeds.

The costs for adhesives are considerably reduced as the application rate is exactly reduced to the required minimum. The flatness of the product is considerably improved, which is a benefit for downstream processes like printing, cutting, milling, drilling and punching.

Application of the **MC-Foam WP Foam Mixing System** offers advantages that speak for themselves.

- That Pays!**
- Improved quality
  - Increased production
  - Reduced resource requirements
  - Reduced energy consumption
  - Maximised profits

## How It Works ...

The adhesive is mixed with air to create a foam containing fewer polymers, filling materials and water.

Thanks to the **MC-Foam WP Foam Mixing System**, the air is introduced gently into the product via a dynamic low-shear mixing head.

This way, the same volume **at reduced mass** can be applied on the product to be bonded by the application system.

The foam weight can be precisely adjusted in such a way that the adhesive/glue content is reduced to the required minimum.

The foam is exactly adjusted to the product to be bonded and the applied adhesive/glue.

## MC-Foam WP Technical Data

● Product flow rate*	200/500/1.000 kg/h	● Air consumption	max. 1.000 l/h
● Product density*	1.000–1.400 g/l	● Weight**	250 kg
● Product viscosity*	max. 4.000 mPa*s	● Dimensions (L/W/H)**	1.100/800/1.100 mm
● Air content*	10–50 %	● Voltage supply	400 V / 50 Hz
● Mixing head speed	300 rpm	● Power consumption**	typ. 1,5 kW

\* The data refers to the standard models and customer-related recipes.

\*\* The data is based on the applied mixing head type and the number of additives or solid matter units.

# Foam At Its Finest

## Xtra Class Foam Mixing System

MC-Foam WP replaces the pump of application systems and generally uses existing level automatics. It is automatically adjusted to the applied volume. This ensures continuous and even foam production.

All shaft seals of the machine are equipped by default with double-acting lip seals. They require less maintenance and are more cost-effective than conventional shaft seals.

The best-in-class MC-Foam WP is controlled by a SIEMENS PLC and features state-of-the-art sensors of German suppliers and a stainless steel housing.

The new mixing head generation of the mixing equipment manufacturer is unique: Made of one piece of V4A steel (stainless Steel DIN 1.44.04), small, light-weight and highly efficient!

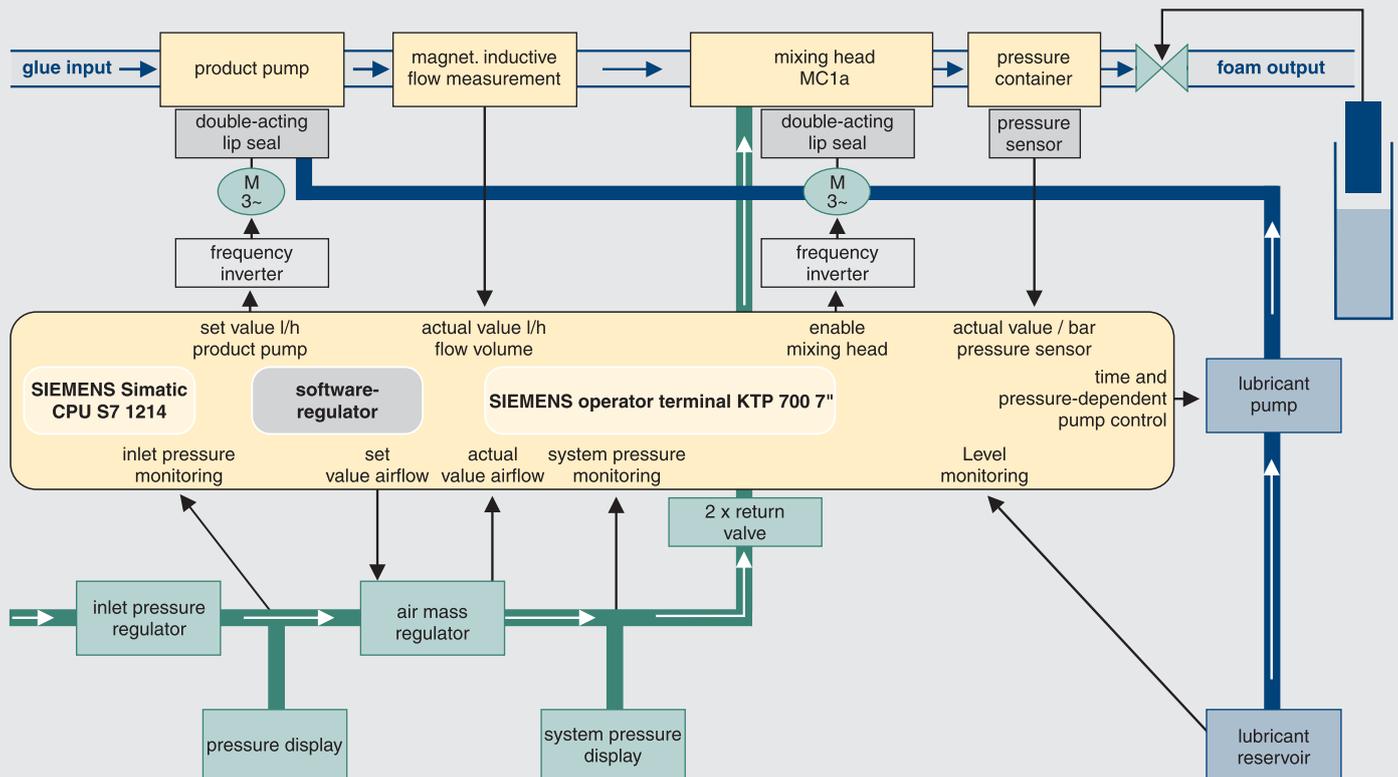
This innovative mixing head technology makes MC-Foam WP the best of its class.

# Specifically For Wood And Paper Produktion

## The MC-Foam WP Foam Mixing System



## Functional Diagram MC-Foam WP



# Mixer Company

## Foam Mixing Systems and more...

Production of foam and in-line mixing equipment  
for the textile, carpet, timber, paper, corrugated cardboard,  
paper sleeve and latex mattress industries

Development of  
application-specific solutions

Consulting for optimisation of processes

User training

Maintenance, service and repair  
foam and in-line mixing equipment

Supply of measuring technology, sealing systems,  
pumps and pump parts, data processing components,  
PLC, panel and control electronics

Refitting of foam and in-line mixing equipment

Spare parts for mixing systems other manufacturers

Purchase and sale  
of used foam mixing equipment



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