

Mahr Unipre



# MarMax CM 60

One System.  
Many Possibilities.



MarMax | Mix Dispense Technology

## Precise. Flexible. Future-proof.

The MarMax CM60 is based on a modular system architecture designed for demanding mixing and metering processes. It adapts flexibly to different materials, processes, and production environments.

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## Solutions that adapt.

Production processes are constantly evolving. Materials, formulations and requirements become more complex—while expectations for quality, availability and efficiency continue to rise.

With the MarMax CM60, you rely on a modular mixing and metering system developed precisely for these challenges. The modular principle enables flexible adjustments, reduces investment risks and ensures long-term future-proof operation.

6-60 °C  
temperature control

15"/21"  
touch panel  
with Siemens/Phoenix  
control

0-60 bar  
pressure monitoring

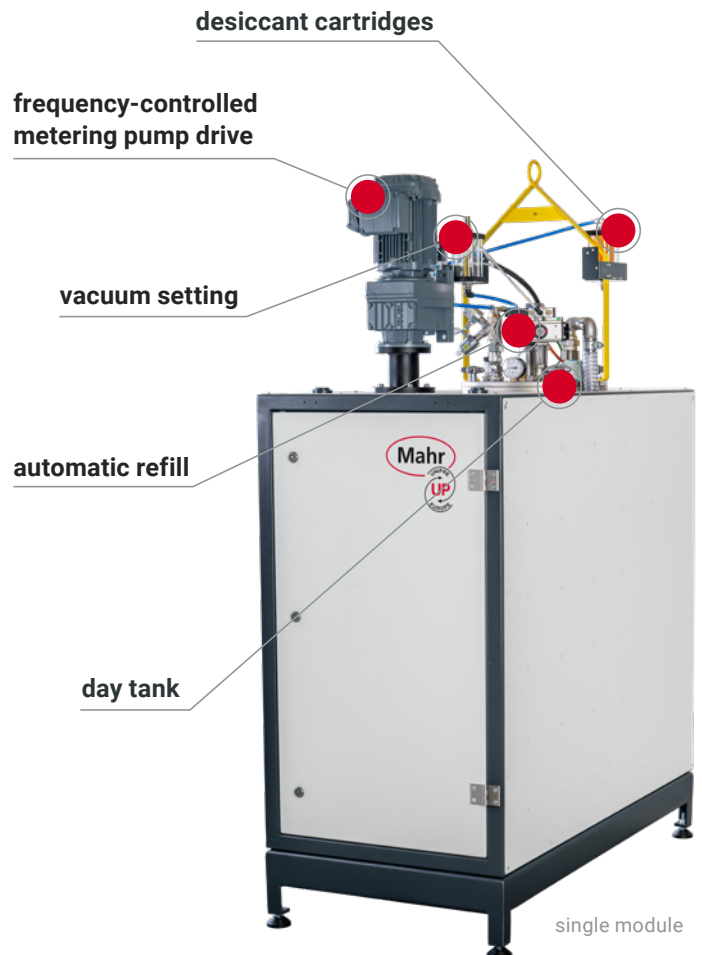
## One System – Many Applications

The MarMax CM60 is suitable for processing:

- single- and multi-component material systems
- PUR compact materials and PUR foams
- adhesive and sealing systems
- colors and additives
- corrosive media such as peroxide or glue

## Modularity as the Key to Efficiency

- Modular system expandable up to 16 modules
- Modules and control unit can be positioned separately
- Heated or unheated versions available
- Flexible positioning for integration into existing production lines
- Exchange of individual modules for maintenance or repair to minimize downtime



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# MarMax CM 60 – A modular system that grows with your requirements.

## Design & Safety Concept

The MarMax CM60 features a closed construction that reliably protects against contamination and external emissions. Its ergonomic design enables easy operation while ensuring maximum safety and compliance with all relevant safety standards. Additionally, the system can be configured as a dual-line installation to operate multiple mixing heads independently.





assembly example MarMax CM 64

## Control System MEC500

- Siemens or Phoenix
- 15" or 21" touch panel
- customizable visualization
- shot quantity control
- recipe management (up to 999 recipes)
- sequential shot processes
- OPC-UA interface
- remote maintenance (VPN)
- external display possible
- level monitoring of material tanks
- operating modes: Automatic, manual, stand-by, remote
- alarm history
- languages: German / English (others on request)

## Accessories & Extensions

- vacuum pump for material degassing
- vacuum pump for automatic refilling of day tanks
- desiccant cartridges for refill containers
- nitrogen connection for day tank supply
- air loading and air flow control (flowmeter or proportional valve) for foam production
- pump lifting systems for material conditioning and automatic filling, heated or unheated, with or without agitator
- rinse agent container for cleaning the mixing unit
- boom arm for ergonomic handling of the mixing head with balancer



lifting bracket

## Service & Availability

Maintenance contracts ensure high system availability and minimize downtime and operating costs.

### General System Features

|                 |   |
|-----------------|---|
| system concept  | closed construction                                 |
| line concept    | single or dual-line system                          |
| mixing heads    | multiple mixing heads can be operated independently |
| service concept | maintenance contracts to ensure system availability |
| color           | RAL 7016 / RAL 7035 (other colors on request)       |

### Containers & Material Conditioning

|                            |  |
|----------------------------|--|
| container sizes            | 10 / 30 / 60 liters  |
| material                   | stainless steel, single- or double-walled                                    |
| temperature control        | electric, water, or thermal medium (6–60 °C)                                 |
| level measurement          | automatic  |
| agitator                   | 2-stage or frequency-controlled  |
| automatic refilling        | Yes  |
| container pressure control | automatic to preset value  |
| supply containers          | IBC containers, 200-liter drums, pails, ring lines, silos, preparation tanks |

### Dosing Pumps & Flow Measurement

|                     |   |
|---------------------|---|
| dosing pumps        | gear dosing pumps for low- and high-viscosity media                                   |
| media               | filled, abrasive, and corrosive media (e.g., peroxide, glue)                          |
| shaft seals         | magnetic coupling, stuffing box seal, radial shaft seal, mechanical seal              |
| safety functions    | slot and angle seat filters   |
| flow measurement    | gear volumetric meters, screw spindle meters, Coriolis meters, or virtual measurement |
| pressure monitoring | 0–60 bar  |

### Feed Lines, Mixing Head & Control

|                     |   |
|---------------------|---|
| feed lines          | flexible hoses or piping, freely selectable lengths |
| temperature control | electric, water, or thermal medium (6–60 °C)        |
| mixing heads        | static / static-dynamic / dynamic                   |



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