

## Horizontal Vacuum Mixer VMH

The **Horizontal Vacuum Mixer VMH** is used for the manufacturing of medium up to very high viscous products as **sealants and adhesives**, caoutchouc, polyurethans, plastisols, coatings, insulants and filler materials. Due to the operation under vacuum it is **specifically suited for the manufacturing of reactive and moisture sensitive products**.



### Characteristics

- Closed system
- An **integrated discharge system** provides a nearly complete emptying
- Discharging under vacuum allows the **finished product to be filled free of bubbles and cavities**
- The mixing tool is designed to achieve an optimal short mixing cycle
- Careful mixing at low energy consumption
- Precise temperature control
- Catalysing may be done directly during the mixing process
- Homogeneous mixing ensured also at the fringes
- Minimal loss of vacuum if the pump is switched off
- **Low-maintenance operation**

# Horizontal Vacuum Mixer VMH

## Design

- The robust design ensures an extended lifetime
- Powered by an electrical gear drive
- Customer specific positioning of the product connections and flanges
- Integrated re-circulation pipe
- Logging and registration of all process data with integrated controls
- The dosing of raw materials may be executed by the same control system
- Efficient heating and cooling system for an optimized process control

## Technical data

### Material

- Stainless steel, mild steel

### Power unit

- Electrically
- 1 or 2 motors on the same shaft

### Vessel

- Vacuum tight
- Operating pressure -1.0 to +0.2 bar

### Cooling and heating system

- Pressure max. 4.0 bar
- Temperature max. 150°C



**Horizontal Vacuum Mixer VMH** with a downstream Horizontal Buffer Press HPP

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## Technical data

Type	Nominal volume [l]	Operational volume* [l]	Power* [kW]
VMH-1.2	1'240	1'000	1 x 45-60
VMH-3.0	2'950	2'300	1 x 75-110 oder 2 x 75-90
VMH-4.2	4'200	3'400	1 x 75-110 oder 2 x 75-110
VMH-6.8	6'800	6'000	2 x 75-110
VMH-8.8	8'800	8'000	2 x 75-132

\* depends on the product

## Options

- Mixer on weighing cells
- Discharge pump
- Vacuum system with dry filter
- PLC control with graphic panel
- Integration in an existing control system with data trend registration and recipe management
- Operation and maintenance platform
- Planning and installation of piping systems





# Horizontal Vacuum Mixer VMH

Horizontal Vacuum Mixer VMH for the production of adhesives and sealants

## System solution

The **Horizontal Vacuum Mixer VMH** may be extended with additional system components for a further automation of the mixing process and to ensure an efficient production up to the filling.

- Prepolymer Production Plant
- Vacuum Mixing Dryer VT and Cooler VK
- Large Capacity Vacuum Mixer VGM
- Buffer Press HPP / VPP
- Drum and Pail Filling Unit FHA

Furthermore **fitech ag** provides engineering, planning and manufacturing of complete production plants.



Connection ports and flanges

