

## Vertical Vacuum Mixer VMV

The Vertical Vacuum Mixer VMV is used for the manufacturing of low to high viscous products such as sealants and adhesives, caoutchouc, polyurethanes, plastisols, coatings, silicones, paints and resins. Due to the possibility to operate under vacuum, it is specifically suited for the production of reactive and moisture sensitive products.



### Characteristics

- Mixing tool can be extracted from the product under vacuum
- Mixing tools are designed to match the specific product for an optimal short batch time
- Oscillation stroke is adjustable to the filling level of the vessel
- Gentle mixing with low energy consumption
- Precise temperature control during the mixing process
- Minimal residual amount after discharging
- Finished product free of bubbles and cavities
- Catalysing can be done directly during the mixing process
- Discharge and product zirkulation with integrated pump
- Discharging within a pot changing system is done by a separate extruder station

### Design

- Compact water cooled and high-efficient gear drive
- Large useful surface area for the customized positioning of the connecting ports and flanges
- Rotational and stroke speed of the mixing tool are continuously adjustable
- The stroke of the mixing tool is continuously adjustable for an optimal mixing efficiency and variable batch size
- Vessel cover and mixing tool may be lifted to a service position for ease of cleaning and maintenance

# Vertical Vacuum Mixer VMV

## Technical data

Type	Nominal volume [l]	Operational volume* [l]	Power* [kW]
VMV-0.8	790	500	90
VMV-1.5	1'530	1'000	153
VMV-2.1	2'140	1'500	153
VMV-2.9	2'900	2'000	240

\*depends on the product



Nozzles on lid of mixing machine

## Options

- Mixer on weighing cells
- Vacuum system with dry filter
- Sample taking
- Integration into an existing control system with data trend registration and recipe management



Sample taking

## System solution

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

- Vacuum Mixing Dryer VT and Cooler VK
- Buffer Press PP
- Drum and Pail Filling Unit FHA

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



Re-circulation system