

# DOPAG Two-Component Mixing and Metering System MICRO-MIX®



## General

MICRO-MIX S is a compact two-component metering and mixing system, free from flushing agents, which transfers, meters accurately and mixes evenly low to medium viscosity media such as epoxides, polyurethane and silicone.

This metering and mixing system is ideal for processing small and minute quantities.

MICRO-MIX S has a metering computer which allows smooth integration into fully automated production lines.

## Pressurised Containers

The MICRO-MIX S is fitted as standard with two pressure vessels, capacity 2 or 4 litres, which are bolted directly onto the galvanised bottom plate.

## Metering Pumps

The MICRO-MIX S is fitted with single-acting piston metering pumps. These piston pumps allow the system to process filled media which can also be abrasive.

The pistons of the metering pump are hard chrome-plated and sealed with glass fibre reinforced Teflon V seals.

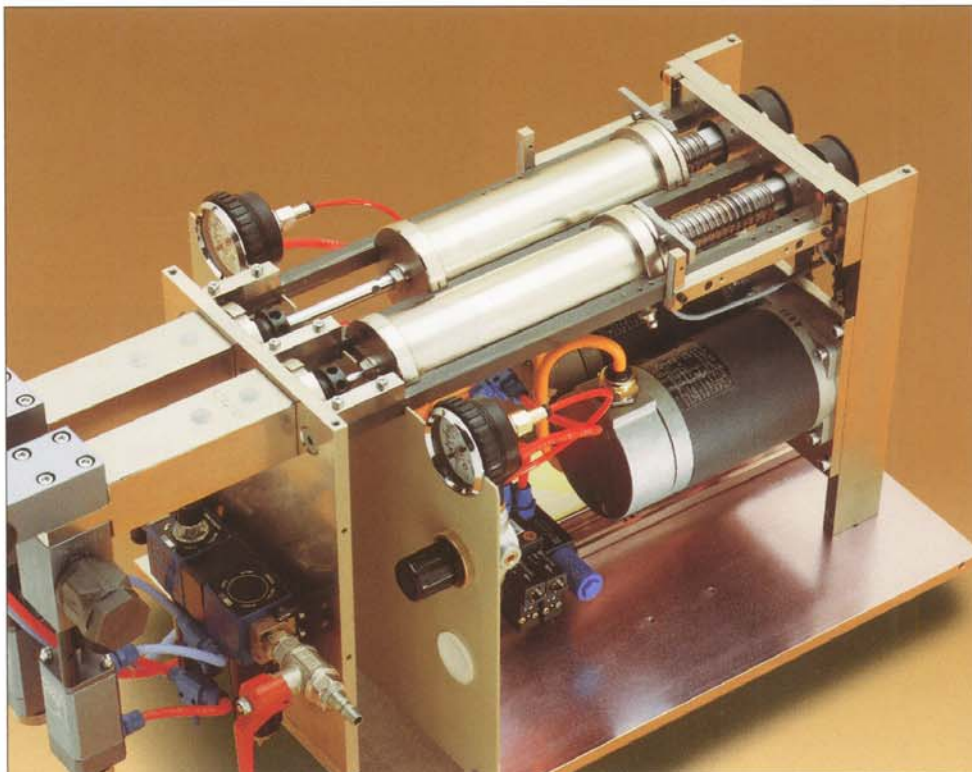
Various metering pumps are available for mixing ratios of 1:1 to 15:1.

The mixing ratio can be fully adjusted within any pump combination.

## Drive

Two powerful stepper motors controlled by the metering computer independently drive the two piston metering pumps.

The rotation of the stepper motors is converted into a linear movement via toothed belts and ball threads.



▲ MICRO-MIX S dry

## Metering Computer

MICRO-MIX S is fitted with a metering computer.

The necessary rotational movement of the stepper motors is calculated from the machine and metering parameters.

The metering quantities and mixing ratio thus correspond precisely to the required values.

Data is entered via a flat keypad.

The menu-guided dialog interface is user-friendly and allows clear and simple operation.

The metering quantities and times can be programmed as required. A run-out control which can be linked to the metering parameters allows smooth integration into fully automated production lines.

Depending on program length, up to 100 different metering quantities or programs can be entered.

Further functions such as pot life control, level control, automatic refill etc. offer maximum production reliability.



▲ MICRO-MIX S metering computer

## Mixing and Outlet System

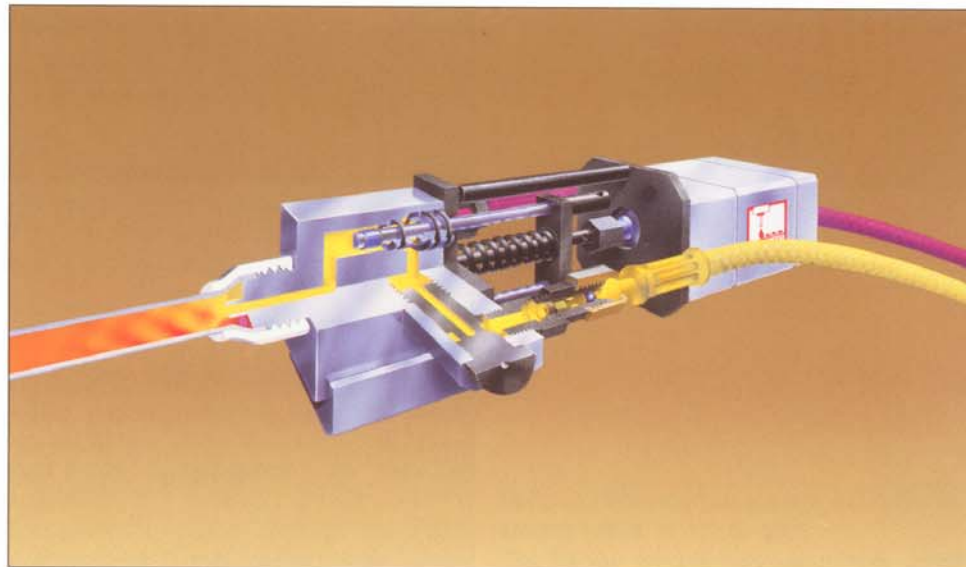
The static mixer consists of a twin outlet valve and a plastic static mixer.

It is operated electrically or pneumatically.

The media are transferred separately to the inlet of the plastic static mixer.

The system requires no complex and environmentally harmful flushing.

The twin outlet valve is designed so that on closure, dripping from the mixer pipe outlet is prevented. This snuff-back effect is fully adjustable.



▲ Static mixer, flushing agent-free