



## MULTI-COMPONENT HIGH TEMPERATURE ELASTOMER POURING MACHINE (ELECTRIC TYPE)

### Application

Application to the manufacture of casting polyurethane elastomer products whose cross-linking agent is MOCA or BDO etc, such as all kinds of rubber roller, high load solid core wheel, mine sieve plate, hydraulic seal ring, photovoltaic guide pulley and other highly wear - resistant materials in metallurgy, printing and dyeing, textile, mining and paper industry.

### Features

- Man-machine interface control, digital display temperature controller, digital display pressure gauge, foolproof cleaning, pouring time, alarm with text prompts.
- Using high-precision low-speed gear metering pump (error 3.5-5%).
- Multi-point independent temperature control system for each component, temperature error  $\leq 2^{\circ}\text{C}$ .
- The Mixing system adopts a static pressure balance device (patented technology) to ensure a stable mixing ratio.
- The pouring head adopts a special hard sealing device to prevent pouring (patented technology).
- Optional additive color control system, the color paste directly enters the mixing device, and can switch at any time to improve efficiency.
- Imported PLC controller is used to monitor the entire equipment control system, with stable performance and strong operability.
- Independent electric heating control system (patented technology), heating faster, high efficiency, energy saving, safety and environmental protection.

## **General Layout**

- Modular design
- 2 to 8 components
- Stainless steel tanks  
tanks capacities : 30L~600L
- Metering system
- Mixing system
- Vacuum capable tanks
- Cleaning system
- Pipes

## **Layout options**

- Fixed speed stirrer
- Variable speed stirrer
- Level sensor for tank
- Feeding valve
- Mass flow meter

## **Control System**

- Siemens PLC
- Touch screen
- Adjustment and display  
pump speeds  
temperatures  
preheating timer for each  
component pour time
- Up to 99 formulations
- Auto-adjust mix ratio
- Production and alarm  
history data storage

## **Parameter display**

- Maintenance operations
- Pressure
- Temperature

## **Process Flexibility**

- Output up to 50 kg/min
- Material temperature  
heating up to 130°C

## **Flexibility options**

- Pigment
- Catalyst
- Auto degasser
- MOCA melter
- Feeding device
- Add specific formulations  
and programme
- Remote assistance  
maintenance
- Special production line
- Rotational Casting option