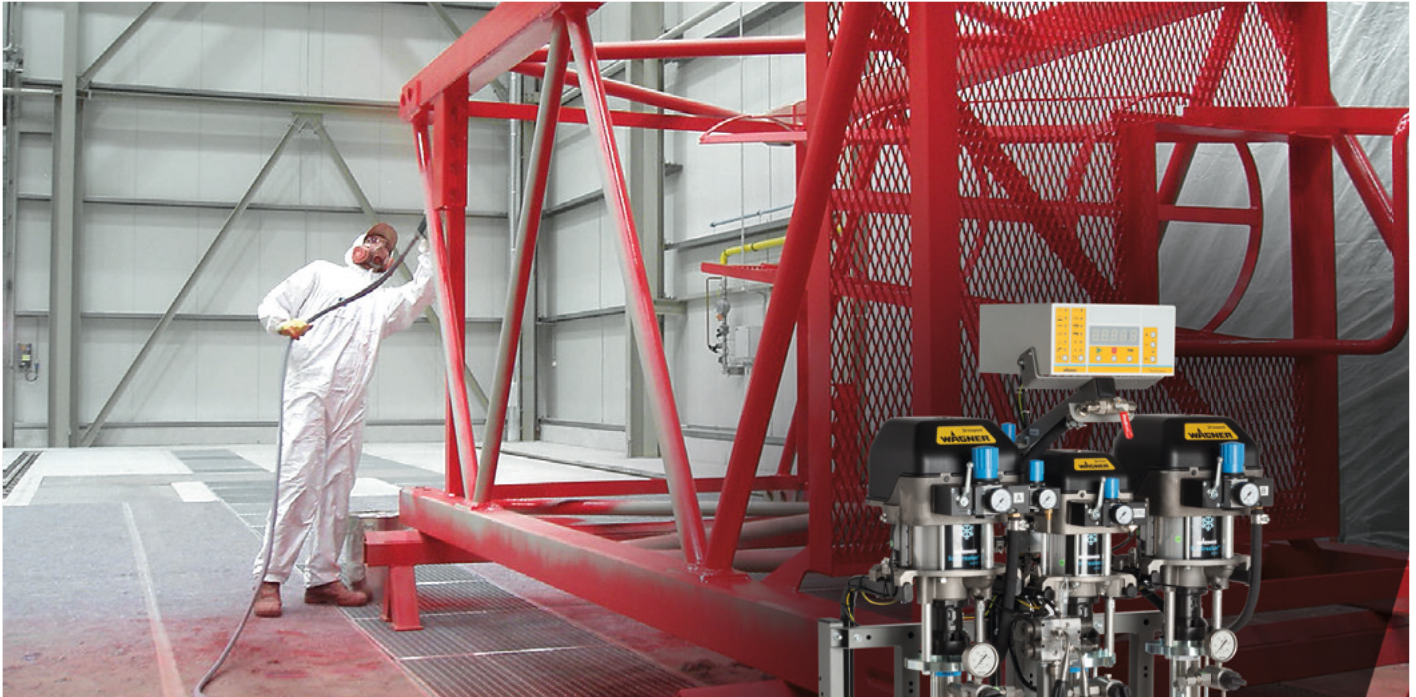


The WAGNER TwinControl mixing system is ideal for the processing of 2K material when only a few color changes are required, and offers great savings potential.



### User-friendly

With TwinControl, the processing of 2K materials is as easy as can be. Connect the unit, set the main parameters - and three buttons do the rest: Start - Stop - Flush. The material is then placed in position and the flushing process is fully automatic.

### Maximum reliability

TwinControl is also ideal for challenging applications with abrasive or highly viscous media, reactive coatings and high flow rates.

The system continuously determines all required operating data and independently warns of incidents such as mixing errors, leaks or pot life expiry.



### Fast amortization - even in smaller industrial businesses

- Correct mixing ratios avoid unnecessary rework and waste.
- No unused mixing material residues. Mix only the amount that you actually process.
- Time savings thanks to fully automatic mixing and flushing.
- High productivity
- Low maintenance

# The easy way to mix 2K materials

## Flexible installation

Depending on the area of application, the TwinControl systems are available with wall mount, rack or on wheels.

## Easy operation

User-friendly operator interface: For your daily work, you only need three keys: Start - Stop - Flush. The operating parameters, such as mixing ratio, flushing agent volume, pot life or hose lengths, can also be easily set.

## Powerful

WAGNER piston pumps ensure high performance and reliability. The extremely robust pumps operate without icing up and ensure smooth operation at all times.

## High mixing accuracy

The stroke sensors work very precisely and without any material contact - even at high flow rates and high material viscosity.

## Fully automatic flushing

At the push of a button, the mixer, hose and gun are cleaned fully automatically with a minimum of material input.



## AIS - Adaptive Injection System

Manually adjusting the hardener injection valve is a thing of the past: The innovative AIS system regulates the injection of the hardener into the base fully automatically - independent of the material to be processed and the number of connected guns. The injection takes place very evenly and almost without interruptions, thus leading to an extremely homogeneous admixture of the hardener even before the mixer. The AIS system thus always ensures an optimum mixing ratio and consistent coating quality.

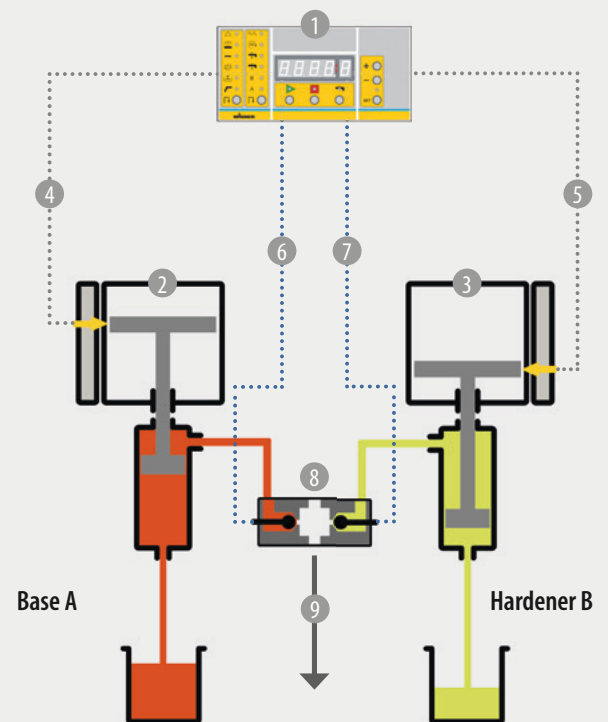


## Advantages that speak for themselves

### Functionality

The flow rates of the two pumps for base and hardener are measured completely contact-free by the stroke sensors. The mixing ratio is regulated in the control unit. The pneumatic signals control the material flows in the paint mixing valve so that the mixing ratio is always correct. In the static mixer, the two components are reliably homogenized.

- |                          |  |
|--------------------------|--|
| 1 Control unit           | 6 Pneumatic signal valve A             |
| 2 Piston pump base A     | 7 Pneumatic signal valve B (injection) |
| 3 Piston pump hardener B | 8 Color mixing valve A and B           |
| 4 Signal stroke sensor A | 9 Static mixer                         |
| 5 Signal stroke sensor B |  |



### The most important functions

- Control of the mixing ratio in real time
- Alarm in case of mixing errors, pot life expiry, leaks, etc.
- Fully automatic flushing process
- Material consumption management
- Display of mixing accuracy
- Possibility to connect a gun flushing device
- Interface to electrostatic applications
- All operating parameters can be set directly in the control system
- Three-level password protection prevents unauthorized access

### The right solution for the most diverse requirements

The TwinControl can be configured for your individual application purpose.



TwinControl 5-60 for airspray applications



TwinControl 35-70 with material heaters for AirCoat applications



TwinControl 35-70 with extension for a second color



TwinControl 72-200 for heavy corrosion protection, mounted on a trolley



## TwinControl variants

Pump A	Pump B	Mixing ratio	Max. working pressure	Flow rate at 1:1 mixing ratio	Flow rate at 4:1 mixing ratio	Flow rate at 10:1 mixing ratio
5-60	5-60	0.1:1 - 20:1	40 bar	3.6	2.3	2.0
10-70	10-70	0.1:1 - 20:1	40 bar	4.2	2.6	2.3
28-40	28-40	0.1:1 - 20:1	224 bar	2.4	1.5	1.3
35-70	35-70	0.1:1 - 20:1	250 bar	4.2	2.6	2.3
35-150	35-70	0.1:1 - 20:1	250 bar	6.6	5.0	4.7
48-110	48-110	0.1:1 - 20:1	370 bar	6.6	4.1	3.6
95-150	95-150	0.1:1 - 10:1	530 bar	9.0	5.6	4.9
72-200	72-200	0.1:1 - 10:1	530 bar	12.0	7.5	6.6
60-240	60-240	0.1:1 - 10:1	480 bar	14.7	9.0	7.9

Mixing accuracy:  $\pm 2\%$

Max. pump speed: 30 double stroke/min (recommended for continuous operation)

## Processable materials

- 2K water- & solvent-based materials
- 2K high-solids
- Materials with mixing ratio 1:1 to 20:1

## Application areas

- Wood & furniture industry
- Metal industry
- Trucks, buses & other commercial vehicles
- Agricultural & construction machinery
- Rail vehicles
- Protective Coating



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