



The mixing and dosing unit WAGNER 2K Smart, optionally with contactless flow measurement, can be used for any application where multicolor 2K or 3K paints are processed.

Replacing the mixing and dosing unit WAGNER FlexControl Smart, the **WAGNER 2K Smart** can be used to process a wide range of workpieces from all kinds of application segments.

- Consistent mixing ratios - you can choose the ideal flow measurement system for each material and application: Gear flow meter, Coriolis flow meter or WAGNER stroke sensor (indirect flow measurement without material contact, ideal for abrasive materials)
- Homogeneous coating results with WAGNER AIS (Adaptive Injection System) which adapts the injection of the hardener automatically to changing material flow rates
- High process reliability by trouble-free addition of a third component - no manual mixing effort thanks to automatic dilution and adjustment of the mixing ratio

Constant material thickness

The flow rate is adjusted by a material flow regulator (closed-loop flow control). Ideal for applications where a simple regulation of the material flow is sufficient.

High flexibility

The unit can be configured to specific customer requirements. It is delivered fully assembled and ready to be connected.



WAGNER stroke sensor



Coriolis flow meter



Gear flow meter



WAGNER AIS
(Adaptive Injection System)

Applications with acid-hardening paint systems

Possibility for configuration for acid-hardening paint systems. For this specific application, all material wetted parts in the hardener section are made from high-grade stainless steel.

Easy integration into automated paint systems

Connection via gateway to a fieldbus system for information exchange with a robot or higher control level. The 2K Smart unit can be equipped with a Profibus connection, further systems are available on demand.

Available configurations

Feature	Availability
Colors	Up to 5
Hardeners	Up to 2
Third component	Max. 1
Flow measurement system	WAGNER stroke sensor Coriolis flow meter Gear flow meter
Number of guns	Max. 2 with separate pot life control & separate flushing
ATEX	ATEX & non-ATEX version available Connection set up to 50 m
Display	3.5" or 5.7"
Pressure	High or low pressure with dedicated valves

Feature	Availability
Adaptive Injection System (AIS)	For B and C component
Communication	Fieldbus gateway or digital I/O
Data archiving	Via USB or LAN connection (in combination with data archiving software)
Electrostatic cut-off	For up to two VM 5000 / EPG 5000
Material pressure regulator	Manual (full pressure when flushing) or digital (flow control)
Remote control	Up to 45 m cable, usable in zone 1, with recipe change
Material filters	Inline filters

Operation via touch screen

The color touch display of the WAGNER 2K Smart offers a simply structured menu for setting recipes and system configurations - for time-saving communication between user and device.

