



Even more efficient coating:
With its innovative functions, the new Sprint 2 manual system offers a wide range of options for excellent manual coating results.

Excellent coating performance

High application efficiency with the PEM-X1 manual gun, intuitive control with WACON Sprint 2 XE, optimum powder preparation, reproducible results with consistently high quality.

Achieve perfect results quickly & easily

New components and assistance functions such as the Quick-Link injector and the Digital Surface Optimizer increase the efficiency and quality of coating and color changes.

The right solution for every application

Various configuration options, sets and accessories offer flexible solutions for every application in manual coating.



Sprint 2 manual unit

Intuitive user guidance

The clear arrangement of operating elements and quick recipe adjustment in the WACON Sprint 2 XE control unit allow easy handling during daily work.

Time savings during color changes

All powder and air hoses can be detached with one hand using the coupling of the new Quick-Link injector. The integrated scraper ring in the swivel arm wipes the powder off the outside of the lance, which also speeds up the cleaning and color change process. As the injector and suction lance are firmly screwed together, fewer interfaces need to be cleaned manually.

Flexible applications

The manual unit is available in two versions – for powder feeding directly from the original box or alternatively from a 60-liter hopper. Conversions between the two variants are possible.

Robust design

Thanks to the pre-assembled components, the manual unit requires minimal assembly. Equipped with swivel castors, the sturdy equipment trolley with electric vibrating table simplifies manual coating and ensures space-saving, safe working in any environment.



Image above: Scraper ring in the swivel arm
Image below: Quick-Link injector

Control unit WACON Sprint 2 XE



High precision

The WAGNER Air Flow Control (AFC) technology ensures exact powder control. A high-precision, closed control loop permanently measures and regulates the air volume during the coating process and produces a uniform powder cloud for high-quality coating results.

Repeatable results in excellent quality

Four recipes can be accessed directly via quick selection. A further 46 recipes can be called up by using the rotary knob. The DSO assistance function (Digital Surface Optimizer) can reduce overcharge effects. This advantage is particularly relevant for decorative coatings on complex workpiece geometries or for challenging powder coating jobs. The DSO function supports a more homogeneous finish.

Easy operation

The control unit shows the status of all important parameters at a glance. All adjustments are made via a central rotary knob. The control unit can be adapted to a wide range of requirements thanks to a variety of setting options.

Sprint 2 manual unit

Manual gun PEM-X1

Unique application efficiency

The integrated high-power cascade keeps the high voltage stable even at 100 kV, enabling high coating performance. There are three characteristic curves to choose from, which enable optimum electrostatic powder charging even with different powder properties. The integrated cascade cooling ensures a long service life and durable performance. The replaceable protective wedge in the electrode holder reduces costs for wearing parts.

High usability

The powder quantity can be easily adjusted using the integrated buttons on the gun. By double-clicking the trigger, the user can quickly switch to a special recipe. Individual parameters can also be assigned to the factory-preset recipes.

Ergonomic working

With only 490 g, the PEM-X1 is a lightweight among available powder guns and very durable at the same time. In combination with its ergonomic design it enables fatigue-free working.



Manual unit Sprint 2 T (3-liter set)

In addition to the control unit and manual gun, the Sprint 2 T manual unit includes a vibrating table with a 3-liter fluid hopper attachment, a Hi-Coat injector and 9 mm hose. With this setup, extremely fine coating results can be achieved in laboratory environments or for small parts with very high surface quality requirements. It also has practical applications in crack testing or wheel finishing.

Manual unit Sprint 2 CG (cup gun case set)

Compact and always ready for use

This handy set is suitable for single parts and small quantities as well as for laboratory and development purposes. It can be used both in a manual booth and in the context of an automatic system.

Fast color changes and high quality

The cup gun impresses with its easy cup change concept for super-fast color changes. Together with the advantages of the WACON Sprint 2 X control unit with DSO function, high-quality results are achieved.

Clearly arranged and user-friendly

Thanks to the plug-in principle, the case set can be set up quickly and easily anywhere and operated directly from the case. Alternatively, the control unit can be mounted on an optional wall console.



Technical data manual guns

	PEM-X1	PEM-X1 CG
Dimensions	335 mm	365 mm
Weight	490 g	530 g (without cup)
ATEX certification	PTB 12 ATEX 5002 EN50050-2	
Powder output	max. 420 g/min	max. 200 g/min

Technical data control unit

	WACON Sprint 2 XE
Dimensions	270 x 260 x 136 mm
Weight	4.6 kg
Type	CE 0102 Ex II 3(2) D IP 64 80°
ATEX certification	PTB 102 II DT (Zone 4)

The right accessories for individual requirements

The right tool for every task. With a few simple steps, you can adapt your system to a wide range of coating requirements and always achieve professional results.

Hose quick couplings

A large selection of powder hose couplings with matching powder hose offers the right solution for every application. Depending on the hose diameter suitable adapters are available.

Nozzle extensions (150 mm, 300 mm and 500 mm)

Very well suited for surfaces that are difficult to reach or particularly deep workpieces, such as radiators or cabinets.

Gun nozzles

Flat jet, round jet and cross slot nozzles enable high quality results for every application.

PXS collector & injector nozzle

The highest standard of injector technology also in manual coating: The use of PXS collector and injector nozzles means that the hose diameter and required air can be reduced. Even finer, more stable powder clouds can be achieved without sacrificing powder output.

CoronaStar

The CoronaStar reduces the orange peel effect and provides smoother surfaces. Thanks to the easy plug-in principle, this accessory can be installed quickly.



Cup extension

The 1-liter cup extension is an effective addition to the cup gun PEM-X1 CG and can be easily attached to the small cup. The cup gun can then be used to coat not only individual workpieces but also smaller batch sizes without the need to refill powder.

Dual gun extension

Easy extension to a double system with a second, separate swivel arm with injector, gun and control unit.

Hi-Coat injector

For extremely high demands on the surface finish. Typical applications: Wheel finishing, very small parts with thin layer thicknesses, as well as in combination with the 3-liter hopper.