



Highly efficient coating.
The SPRINT product family for easy and reliable applications
in manual coating work.

The product family – consisting of the **PEM-X1 manual gun**, **EPG SPRINT XE control unit**, equipment trolley and various container versions – has special advantages:

- Quick overview of all coating parameters
- Double-click function for quick recipe changes
- Intuitive setting options
(e.g. output calibration for more precise volume adjustment)
- Efficient color change
- High performance even with demanding powder coatings, e.g. effect or acrylic powder





Manual gun PEM-X1

Ergonomic working

With only 490 g, the PEM-X1 is a lightweight powder gun, while also being very robust at the same time. In combination with its ergonomic design it enables fatigue-free working.

Usability

The integrated remote control allows a quick adjustment of the powder quantity. A double click on the trigger enables a quick change to a special recipe. Even factory-set recipes can be assigned individual parameters.

Efficient coating

The integrated high-power cascade keeps the high voltage stable even at 100 kV, thus enabling high coating performance. With the cascade characteristic curve adjustment, even powder coatings that are difficult to charge can be coated efficiently. The integrated cascade cooling ensures a long service life and durable performance. The replaceable protective wedge in the electrode holder reduces the cost of wearing parts.



Control unit EPG SPRINT 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 thus produces a uniform powder cloud for high-quality coating results.

Simple operation

Clearly arranged control elements allow intuitive handling. All parameters are entered via a central rotary knob. The intelligent control system can be adapted to a wide range of requirements by means of a multitude of setting options.

Up to 50 recipes

The EPG SPRINT XE enables results to be repeated at any time. Four recipes can be accessed directly via quick selection. When using the rotary knob, a further 46 recipes can be selected. All coating parameters can be viewed in an instant.

Manual powder coating

SPRINT family of manual systems

Intuitive user guidance

The clear arrangement of operating elements and the fast recipe adjustment in the EPG SPRINT XE control unit allow easy handling for the daily work.

High efficiency

The integrated flushing function at the touch of a button, the lance locking device and various plugs and sockets allow efficient box and color changes.

Flexibility

The powder is conveyed directly from the original container, a special 3 liter fluid container or from 25 liter or 60 liter stainless steel fluid containers.

Robust design

The manoeuvrable and at the same time stable equipment trolley with electric vibrating table simplifies manual coating and ensures safe working even in a tough or narrow working environment.



Manual system SPRINT X 3L

With the SPRINT X 3L conversion kit, the manual SPRINT 60L can be converted for the use of a fluidized 3 liter container with vibrating table. This allows small batches to be coated with high quality.

Cup gun case set PEM-X1 CG

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.

Fast color changes and high quality

The cup gun impresses with its simple cup change concept for super-fast color changes. Together with the advantages of the EPG SPRINT XE control unit (including high-performance cascade, recipe management, double-click, AFC air control valve technology), high-quality results are achieved.

Clear and user-friendly

The case set can be easily assembled and operated. The case serves as a stand system. Alternatively, the control unit can be mounted on an optional wall console.





Manual powder coating

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	450 g/min	200 g/min

Technical data control unit

	EPG SPRINT 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 D T (zone 4)

The right accessories for individual requirements

The right tool for every task. You can easily adapt your system to the most diverse coating requirements and therefore 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.

Nozzles

Flat jet, round jet, cross slot and special nozzles for metallic powder enable efficient work with high-quality results.

Extension to double manual system

Simple extension to a double system with twin suction lance and PEM-X1 spray set with console.



CoronaStar

The CoronaStar reduces the orange peel effect and provides smoother surfaces. Thanks to the simple 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.



HiCoat ED injector

The HiCoat ED injector enables highly efficient, low-air coating of profiles and welded constructions.

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