



## Manual Powder Finishing

SIMPLY SMOOTH COATINGS - THE NEW X-FAMILY



- Efficient and economical
- Flexible and user friendly
- Ergonomic design



## The next generation of WAGNER manual guns:

EXCELLENT FINISHING · PERFECT BALANCE · OPTIMAL HANDLING · LIGHTWEIGHT (490G)

The new WAGNER manual gun PEM-X1 sets the standard and trend for all kinds of surfaces used today in powder coating. The new gun generation improves perfection and precision even further – the product philosophy combines a balanced finesse on all levels with long life expectancy and optimal handling.

Well-balanced ergonomics are based on experience! WAGNER has incorporated this experience in the design of the new gun generation. – Yet again, WAGNER combines first-class design and functionality for perfect finishing solutions.

2

### Unique Design



#### ■ Weight

Weighing only 490g, the PEM-X1 is a lightweight among powder guns. Despite being light, it maintains its robust design.

#### ■ Balance

Perfectly balanced to the minutest gram, the PEM-X1 gun is flexible and reduces fatigue.

#### ■ Ergonomics

The integrated remote control allows for a quick adjustment of the powder amount. Via a double-click on the trigger, switching to another mix recipe is simple and fast.

#### ■ Nozzles

The new nozzle-concept not only provides a perfect powder cloud, but also an improved finishing quality. The flat spray can easily be adjusted for particular coating requirements, using a sliding ring.

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### Manual guns

## PEM-X1 and PEM-X1 CG

- High transfer efficiency
- Easy and fast to service
- Enormous flexibility for perfect coating results

Technical data:	PEM-X1	PEM-X1 CG
Length	335 mm/ 13 inch	365 mm / 14 inch
Weight	490 g/ 17 oz	530 g/ 18.6 oz w/o cup
ATEX-Certification	PTB 12 ATEX 5002 EN50050-2	
Powder output	450 g (16 oz) /min.	200 g (7 oz) /min.



1  
Remote Control - more flexibility during application



2  
New nozzles - for perfect coating



### Powder cup laboratory set PEM-X1 CG

The powder cup laboratory set is a useful, handy, flexible but yet high-performing equipment for powder coating component parts and small amounts as i.e. needed for laboratory- and development purposes.

#### SPECIAL ADVANTAGES

- **Compact and always ready-to-use:** The set is perfectly suitable for small quantity production as well as laboratory applications. Independent of ever-changing conditions, the same coating result is obtained.
- **System for perfect results:** Due to the precise WAGNER regulation-technology and the gun-integrated dosing system, small amounts of powder can be applied, while still obtaining incredible results.
- **Clear and user friendly:** Taking advantage of the simple plugging-system, the powder container is easily attached and handy at the same time.
- **Mobile system with convenient case** Everything needed for powder-application is provided. Even the smallest piece has its own spot, creating a clear overview.



3  
**Ergonomic handle** - good grip for perfect handling



4  
**Quick release coupling** - for fast and efficient color changes



## The new control-unit EPG-Sprint X

Precise and extremely reliable for optimal coating results – that is the spirit of the new WAGNER control unit EPG-Sprint X. All parameters are arranged logically and can be easily adjusted. Hence guaranteed reproducible results for efficient and high-quality manual coating can be obtained.



### Control-units

## Control-unit EPG-Sprint X

- Intuitive, easy handling
- Modular and expandable
- Maximum precision through closed loop regulation



## Highest Efficiency



### ■ Precision

WAGNER Air Flow Control (AFC) guarantees exact powder control and optimal coating results. A high precision, closed loop regulation cycle measures and regulates the air pressure constantly to obtain continuous values.

### ■ Handling

Easy to locate control elements provides intuitive operation during daily work. The intelligent control unit EPG-Sprint X can easily

be adjusted to any requirements due to numerous adjustment-possibilities.

### ■ Reproducibility

EPG-Sprint X offers direct access to the most used settings and can save up to 50 coating programs. This is how you achieve highest quality and reproducibility.

### ■ Design

The logical arrangement of the different control parts supports the daily operation. All parameters are always identifiable and guarantee a controlled coating process.

Technical data	EPG-Sprint X
Length	270 x 260 x 136 mm (10.6 x 10.2 x 5.3 in.)
Weight	4,6 kg
Type	CE 0102 Ex II 3(2) D IP 64 80°
ATEX-Certification	PTB 102 II D T (Zone 4)



# Wide range of accessories for perfect results

## The perfect accessories for individual requirements!

For every task, the right tool – the system can be easily adjusted according to your requirements for professional coating results.



## One for all - the **Flexibility**



### 1 Quick release coupling

A variety of quick release couplings guarantee the optimal solution for your application. Depending on the hose diameter, the matching adapter is available.

### 2 Nozzle-extension

Perfectly suitable for extra deep and hard-to-reach work pieces such as radiators, cupboards etc. Available in different lengths to suit your application.

### 3 Nozzles

Whether flat jet or round jet, with the WAGNER nozzle selection you will find the best nozzle to obtain the best results.

### 4 Powder hose

Powder hoses with different diameters and integrated grounding lead optimize powder consumption and the coating quality.

### 5 CoronaStar

The CoronaStar is a helpful tool to reduce the "orange peel effect". Following a simple plugin-principle, such accessories can be installed quickly and easily.

## Simply smooth coatings

# WAGNER manual units - Efficiency and flexibility in perfect design

The new manual unit combines functionality and extraordinary design. All parameters can easily and quickly be entered in the EPG-Sprint X. By means of a central and dynamic knob, all parameters –grouped into four functional sections- can be set easily. The unique Cascade characteristic line setting and the TRIBO-compatibility offer a high level of flexibility for any powder. In combination with the new manual gun PEM-X1, the manual unit gives perfect coating results. The powder feeding is carried out directly from the original container – optionally out of the 60l stainless steel container.



### Fast color change

The fixation of the suction tube allows for a quick and easy color change.



### Wheels for optimal agility

By mounting the small wheels, the manual system can be used and positioned in small places.

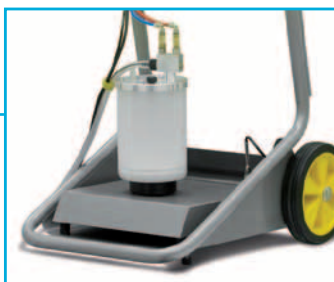


60 l Model

Airfluid Model

## Your advantages

- Robust trolley with pneumatic vibrating table.
- Powder manual gun PEM-X1 or PEM-T3 Tribo.
- A fluid bed plate in the stainless steel container guarantees an ideal powder preparation.
- The injector PI-F1 allows for a continuous and calm powder-cloud.



### Convertible for flexibility

The manual system can be transformed into a 3l-model or a 60l-model with vibration table.



## Handling



### ■ Intuitive user guidance

The logical layout of the control elements make adjusting recipes fast and clear. Up to 50 coating recipes can be saved creating endless possibilities to set parameters to fit your individual needs.

### ■ Quick color changes

Quick color changes can be achieved by using a pre-programmed button to initiate the process. The position of the suction tube

and the coupling for the powder hose aid a fast and secure color change.

### ■ Flexibility

The unit can be changed from box feeding to container feeding with ease. Using different powder hoses and injectors, the WAGNER SPRINT can easily be adjusted for any application.

### ■ Design

The new SPRINT manual unit design is light and modern. Its robust construction and reliable quality output, is the perfect solution for optimal manual coating.

# Manual booth technology from WAGNER



## Booth technology

### Efficient booth systems

Whether you are just starting powder coating or transitioning from wet paint to powder coating, WAGNER has a cost effective and reliable solution for your needs.

This is exactly what the BASIC WAGNER 4000 and 8000 Booth Systems are: Affordable, reliable and durable powder coating technology. Fast color change, efficient use of coating material as well as compliance with important industry standards.



### Xtremely strong features

WAGNER offers all components for perfect manual coating. It starts with the gun and includes the control unit and accessories as well as the manual unit and booth system. All components can be described by the following simple scheme:

- Efficiency
- Handling
- Flexibility
- Design

[www.wagner-group.com](http://www.wagner-group.com)



### TOTAL FINISHING



**SYSTEMS SOLUTIONS SUPPLIES**

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Description	Item number
<b>Basic units</b>	
Manual Spray Gun PEM-X1	2322587
Manual Spray Set X1	2331090
Manual Unit SPRINT AF	2329483
Manual Unit SPRINT 60L	2329489
Manual Unit SPRINT AF USA	2329487
Manual Unit SPRINT 60L USA	2329491
Dual Manual Set SPRINT	2331417
Conversion Set SPRINT 60L V	2309276
Conversion Set SPRINT 3L V	2309277
Manual CupGun PEM-X1 CG	2322588
CupGun Set PEM-X1 CG	2328172
Controler EPG-Sprint X	2324731
<b>Accessories</b>	
Trolley Front Caster Set	2324869
Recipe Sticker	2331223
CoronaStar PEM-X1 assy	2322868
Wedge tool X1	2324205
Wedge tool X1 + 20 wedge's	2324124
Spare parts starter kit X1	2331976
Nozzle Extension X1 EXT150	2323366
Nozzle Extension X1 EXT300	2323356
Nozzle Extension X1 EXT500	2323338
Hose Connector D10-D12 assy	2322761
Hose Connector D8-D10 assy	2322768
Gun Holder	2330599
Gun Holder f. Cabine	2332139
Console	2331558
Wallmount w. Console	2330223
Powder Measuring Adapter X1 assy	2325320
<b>Spare parts</b>	
Gun Hook X1 SP	2320330
PT-Pan head screw, self-tapping, Torx	2316896
Outer Nut X1	2320464
Cascade neg. X1 SP	2324136
1x Cup with Cover SP	2324139
5x Cup with Cover SP	2324140
Injector holder Sprint complete	2307117
Electrode Holder X1 R SP	2322490
Electrode Holder X1 R + Spray Nozzle	2322493
Electrode Holder X1 F SP	2322529

Description	Item number
<b>Wear parts</b>	
Wedge X1	2320488
Flat Spray Nozzle X1 assy	2321976
Deflector Cone D18 asse.	2321981
Deflector Cone D25 asse.	2321980
Deflector Cone D34 asse.	2321171
Deflector cone sleeve X1	2320503
Round Spray Nozzle X1 VL SP	2324148
Flat Spray Nozzle X1 VL SP	2324147
Electrode X1 VL150 SP	2324144
Electrode X1 VL300 SP	2324145
Electrode X1 VL500 SP	2324146
Nozzle Insert X1 EXT F	2323401
Nozzle Insert X1 EXT R	2323461
Contact X1 EXT assy	2323361
Electrode CoronaStar X1 SP	2322835
<b>Others</b>	
Tribo Manual Gun PEM-T3	351019
Tribo Cup Gun PEM-TG3	351036