

FAST & EASY OPERATION WITH SUPPORTING DSO FUNCTION

Feature

1 WACON Sprint 2 XE control unit

- 1) New DSO function for more homogeneous surfaces (Digital Surface Optimizer)
- 2) 4 preset recipes with quick select button + 46 individual recipes
- 3) HMI with display of all parameters
- 4) Air Flow Control (AFC) – High-precision, closed-loop control measures and controls the amount of air during coating
- 5) Interval flush function for cleaning

Benefit

- 1) The surface optimizer ensures more beautiful surfaces without overcharge effects at the touch of 1 button
- 2) Quick selection for the most common components + easy saving of new recipes
- 3) All parameters at a glance and intuitive and precise setting of all coating parameters
- 4) Exact and constant powder and air control with a homogeneous powder cloud for high-quality coating results
- 5) Highly efficient and clean color changes



- 1) New DSO function (Digital Surface Optimizer)
- 2) Preset recipes + quick selection button
- 3) Adjusting wheel + display
- 4) Cleaning with interval flush function

NEW VENTURI – FOR EVEN MORE HOMOGENEOUS, SOFTER POWDER CLOUDS

Feature

2 New Quick-Link injector

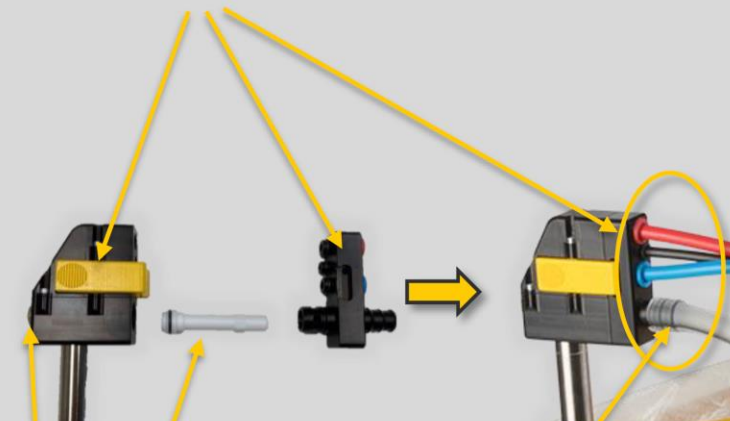
- 1) Quick-Link connection with separate coupling for all air and powder hoses
- 2) New Venturi-standard developed and optimized based on long experience
- 3) Output-optimized injector geometry
- 4) PXS collector and injector nozzle as separate components
- 5) Color coding of the air quick-connections

Benefit

- 1) Quickly cleaning and changing of the collector nozzle in seconds
- 2) Lower air powder delivery for more homogeneous, softer powder clouds using a 10mm powder hose.
- 3) Very high amounts of powder up to 450 g/min can be applied over a wide areas of the total air
- 4) Lower wear and overall operating costs due to longer nozzle life.
- 5) Convenient connection of compressed air hoses without the risk of a faulty connection



- 1) Quick-Link connection with separate coupling for all air and powder hoses



- 2) Lower air powder delivery for more homogeneous, softer powder clouds using a 10mm powder hose (5.5 metre hose length)

- 4) PXS collector and injector nozzle as separate components



PXS injector nozzle



PXS collector nozzle

INTEGRATED WIPER RING FOR EVEN FASTER CLEANING

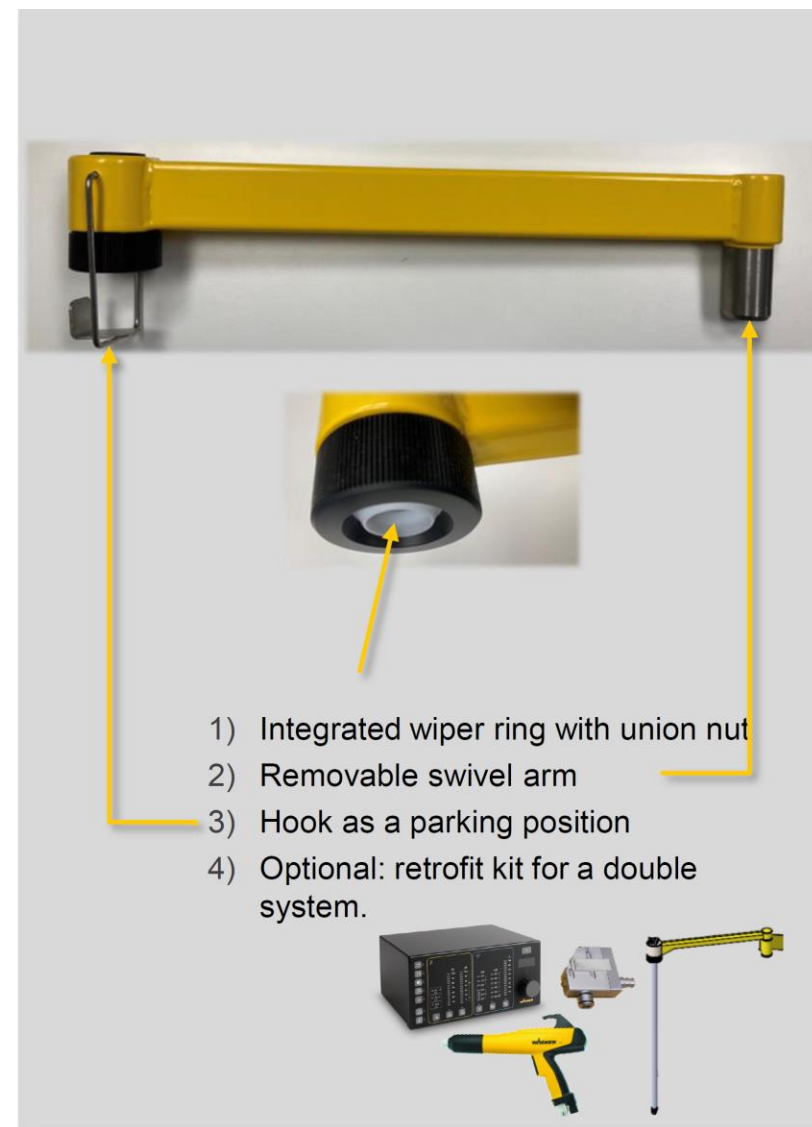
Feature

3 Swivel arm with ext. cleaning of the lance

- 1) Integrated wiper ring with union nut
- 2) Removable, robust swivel arm
- 3) Hook as a parking position for the suction lance
- 4) Robust construction and optional extension to a double gun system

Benefit

- 1) The wiper ring cleans the outside of the lance when it is removed from the powder and the powder falls back into the box
- 2) Easily removable, robust arm for quick cleaning at the spray booth
- 3) Convenient parking during cleaning and powder changing to keep your hands free
- 4) Retrofit kit for a double system with 2nd gun, control unit, swivel arm and Quick-Link injector for feeding from 1 box possible.



RELIABLE FLUIDISATION AND POWDER SUCTION VIA ROBUST LANCE

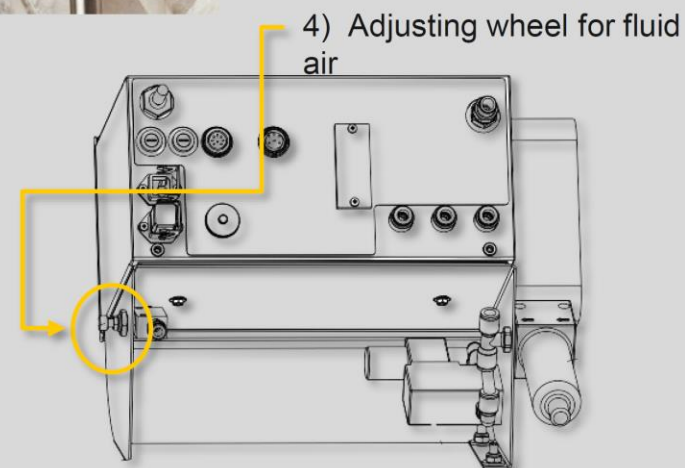
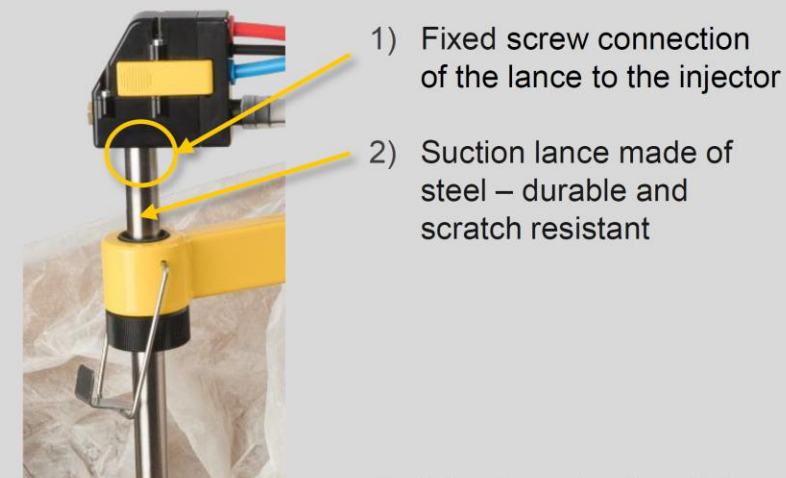
Feature

4 Fixed suction lance with fluidisation

- 1) Fixed screw connection of the lance to the injector
- 2) Suction lance made of steel - sinks into the fluidised powder due to its own weight
- 3) Fluidisation of the powder around the fluid crown using purified compressed air
- 4) Adjusting wheel for infinitely variable regulation of the fluid air

Benefit

- 1) Fewer interfaces to clean manually
- 2) Slim, durable and scratch resistant. Sinks into the powder without any effort for the coater
- 3) Reliable powder preparation and fluidisation for constant, homogeneous powder flow
- 4) The precise adjustment option for fluidisation leads to high-quality coatings, even with difficult powders, and avoids the formation of dust



Feature

5 (Vibration) table for powder preparation

- 1) Direct conveying from powder boxes in various sizes
- 2) Modular structure of the table for conversion between the Box (Airfluid) and Hopper (60l container) variants
- 3) Robust plate made of corrosion-free steel
- 4) Vibration table arranged at a suitable angle

Benefit

- 1) Fast color change, suitable for all common box sizes from different powder manufacturers, no special hopper required
- 2) Flexible use of the device is also possible after purchase. (investment protection)
- 3) Abrasion-resistant, elegant surface
- 4) Optimized acceleration of the powder for almost complete emptying of the box



THE MANUAL GUN ENABLES VERY HIGH APPLICATION EFFICIENCIES

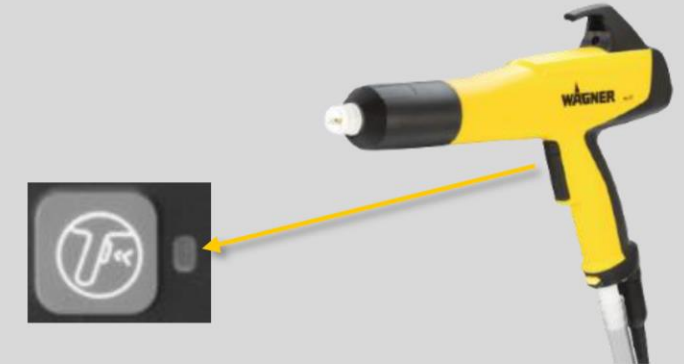
Feature

6 PEM-X1 Manual gun

- 1) Durable high-performance cascade with real 100 kV max. high voltage for efficient powder charging
- 2) Robust but lightweight powder gun weighing only 490g
- 3) Remote recipe change using the double-click function on the gun trigger (HDR)
- 4) Smooth-running gun trigger with space for 2 fingers

Benefit

- 1) Enables constantly high coating performance and surface quality with excellent transfer efficiency and throughput, even with demanding coating powders
- 2) Enables ergonomic, fatigue-free work over its long lifetime
- 3) Fastest remote recipe changes “on-the-fly” without having to go to the control unit
- 4) Relief of the gun trigger fingers to protect the coaters health



- 3) Remote recipe change using the double-click function on the gun trigger (HDR = High Dynamic Remote)
- 3) Smooth-running gun trigger with space for 2 fingers



CLEAN & TIDY COATING ENVIRONMENT

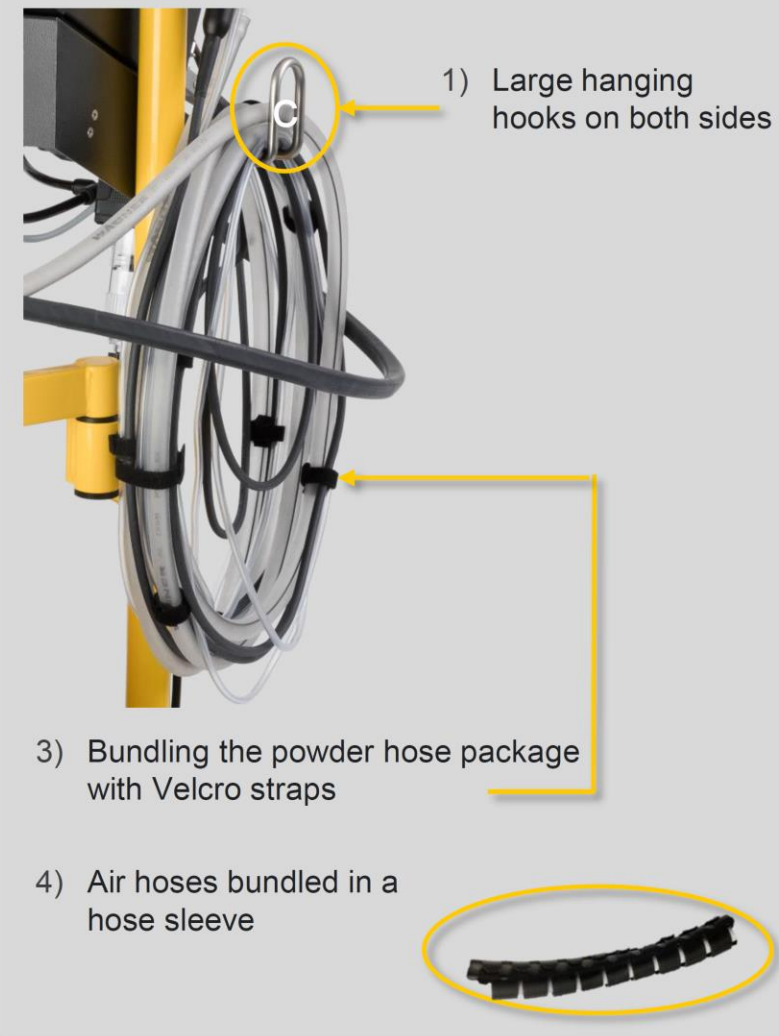
Feature

7 Hose management

- 1) Large hanging hooks on both sides for neat hose storage
- 2) Various hose and cable extensions available
- 3) Bundling the powder hose package with Velcro straps
- 4) Air hoses bundled within a hose sleeve.

Benefit

- 1) Quick winding and unwinding of the hose and cable bundle, even with extended hoses
- 2) Customer-specific requirements for hose lengths for different use cases are possible
- 3) Resealable, for hose changes and a clean and tidy coating environment
- 4) Tidy, clean hose management



HOMOGENEOUS POWDER PREPARATION

Feature

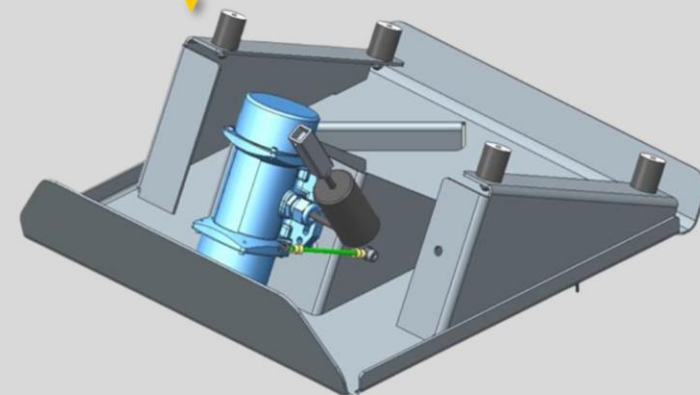
- 8 Vibration motor**
- 1) Use of an electric motor
 - 2) Constant vibration performance
 - 3) Optimized motor arrangement for accelerating powder particle

Benefit

- 1) Start-up behavior independent of compressed air supply and temperature
- 2) Homogeneous powder flow
- 3) Even powders that are difficult to move are accelerated and prepared for good suction



- 1) Electric vibration motor
- 2) optimized arrangement of motor + vibration elements



EASY MOVEMENT OF THE MANUAL UNIT

Feature

9 New trolley with 4 wheels

- 1) Ergonomic handle
- 2) Two swivel castors + two large wheels in series
- 3) Integrated air filter + compressed air connection
- 4) Modular structure of the car

Benefit

- 1) Comfortable movement of the trolley with one hand
- 2) Mobile trolley on wheels, moving is possible on the level but also up and oversteps or thresholds
- 3) Plug&play device with little installation and commissioning effort.
- 4) Flexible thanks to retrofittable accessories and expansion sets.



- 1) Comfortable ease of handling with one hand



- 2) Moving is possible on the plane, but also up and oversteps or thresholds