



# POWDERTECH

Quality + Competence since 1959



Electrostatic and pneumatic machines for a dust-free and finely dosed powdering of cables, wires, hoses, profiles and belts with powdering agents such as talc, stearate, swelling powder, graphite, water-repellent powder etc.

**quick | even | dust-free**

# POWDERING

## with high precision

This machine combines knowledge and development from 1959 until today. By completely redeveloping the electrostatics and using new manufacturing processes, losses in the e-statics could be significantly reduced and the durability and reliability of the components could be improved. The redesign of the filter system leads to improved cleaning performance and reduced maintenance costs, since the number of wearing parts has been decreased. Overall, the well-known high powdering quality in terms of adhesive force was further improved with reduced maintenance costs and higher reliability.

The product to be powdered will be dusted evenly and all around by means of one to four electrostatic powder pistols or by pneumatic powder nozzles.

The electrostatic charging not only produces a very even layer of the powder on the surface, but also ensures a strong adhesion to the product. Due to our patented and successfully tested filter system the powder is kept in the powder chamber.



- ☑ Completely new developed e-static system (higher adhesive force)
- ☑ Absolutely dust-free operation
  - 1-4 powder pistols, 80 kV each pistol (real), optional: 1-4 x 100 kV each pistol (real) or 1-4 pneumatic nozzles
- ☑ "Easy Change" filter system
- ☑ Better cleaning results, less wear parts
- ☑ Speed up to 2000 m/min.
- ☑ Optionally powder flow control
- ☑ Optionally free-standing powder chamber
- ☑ Optionally 90 l powder hopper
- ☑ Optionally fine dosing / fine dosing „plus“
- ☑ Poka Yoke principle for pistol spare parts

# FEATURES

**quick • clean • dust-free • precise**

# MACHINE COMPONENTS

individual • flexible • precise

## Powder pistol

Newly developed powder pistol with continuous flushing function for cleaning and reduction of wear. Exchangeable baffle plates allow adaption to your specific product. „Poka Yoke principle“ avoids mistakes during maintenance.

## Control panel

Completely newly developed e-static as well as revised control unit. Clearly arranged medical control panel with set point/actual value display, e-static and safety information. Robust, clearly arranged control panel for all further settings.

## Filter system

Completely revised filter system, now with “Easy Change” system for quick and smooth replacement.

## Powder chamber

Standard powder chamber up to 600 m/min., permanently mounted or optionally freestanding. Modular system: powder chamber extra small, before stranding, high speed for up to 2000 m/min.

## Powder fine dosing / fine dosing „plus“

Optionally extra fine powder dosing (30 g/min.) at low extrusion speed by a continuously adjustable powder conveyor. It guarantees only a smooth and even layer of powder on the product. The fine dosing „plus“ reduces the powder quantity by another 30% with a very even powdering.

## Powder flow control

Optionally powder flow control with potential-free outlet, alarm lamp for monitoring / securing the powder feed onto the product.



## Powder refilling hopper 90 l

Optionally an automatic 90 liter powder refilling hopper can be supplied. This powder hopper is connected with the machine by hoses. It is controlled by a level sensor inside the machine. This cart can also be used for dry storage of powder.

# TECHNICAL DATA

## POWDER COATING MACHINE

Range of diameter	up to 80 mm - standard powder chamber max. 140 mm – standard powder chamber large
Belts / profiles	max. 550 mm width, 50 mm height
Electrostatics	1 - 4 x 80 kV each pistol without losses optionally: 1 - 4 x 100 kV each pistol without losses
Line hight	980 - 1.100 mm other heights on request
Pistols / Pneumatic Nozzles	1 – 4
Compressed air	6 bar
Filling volume	18 l / +90 l if external powder hopper
Speeds	up to 600 m/min. – standard powder chamber up to 2000 m/min – special powder chamber
Operation voltage	3 Ph + N + PE, 400 V / 230 V, 50 Hz optionally: country-specific
Dimensions Machine	Depth: 1.706 mm, Width: 800 mm, Height: 1.823 mm
Dimensions Powder Hopper	Depth: 555 mm, Width: 500 mm, Height: 773 mm
Weight	Machine 330 kg, powder hopper 35 kg



## Modular System

We offer a number of special solutions as modular system, e. g.:

- ☑ extra small powder chambers
- ☑ powder chambers before stranding
- ☑ freestanding powder chambers
- ☑ powder chambers without e-static
- ☑ purely pneumatic machines ( without e-static)
- ☑ HMI/touch screen solutions (incl. recipe management)
- ☑ full integration in lines by external interfaces
- ☑ and much more; a number of special solutions are possible



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