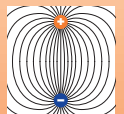


Cables & wires

Powder coating machine for cables
PM 500 KE



Illustrative example



Self-cleaning, differential pressure-controlled filter system

Continuously variable application of **all commercially available powder types**

Supplied with **four powder nozzles** with large cross-sections as standard

Large powder reservoir with a capacity of up to 90 l

Electrostatic charging of the cable to be powdered

Please see overleaf for additional information and further options 

Additional information for PM 500 KE

Max. cable diameter	200 mm
Max. line speed	800 m/min
Dimensions (W/D/H)	900 x 1480 x 1840 mm
Static charge	Adjustable up to 30 kV
Length of charging unit	300 mm 600 mm*
Power rating	Approx. 4,5 kW (IE3)
Controller logic (Siemens Simatic)	S7-1214 S7-1511C-2PN*
Control panel	–
Compressed air consumption	Approx. 4,5 Nm ³ /h
Operating pressure	6 bars
Weight	Approx. 450 kg

*Optional add-on.

CPU and HMI

- As an alternative to a conventional operating unit, the machine can also be controlled using a KTP400 Basic panel.
- If desired, the machine can be equipped with a Siemens-CPU S7-1511C-1PN and a TP700 Comfort Panel.

Line synchronisation

- Two potentiometers enable the machine to be synchronised with the line speed so that the powder quantity can be adjusted between the production line and bobbin change speed.
- Line synchronisation via recipe management (up to 50 fully customisable recipes) for different products and line speeds.

Line & MES integration

- Integrate the machine as a staggered process into the upstream production line control system using bidirectional data exchange.
- A Manufacturing Execution System (MES) enables you to trace any data back from the production line to your factory database.

Options

We provide you with the option of customising your machine according to your specific requirements.

Fixed and swivel castors

- Sturdy and durable castors ensure that the machine can be manoeuvred easily.

Spindle jacks

- The operating height can be adjusted within a range of 300 mm using four spindle jacks mounted on the machine.

Powder consumption

- Four load cells mounted on the machine can be used to determine the machine's net weight and, in turn, the powder consumption.

Graphitisation

- The machine can be equipped with a scraper unit mounted at the machine outlet. This evens out and smoothes the previously applied graphite to ensure a homogeneous surface structure.

Powder reservoir heating

- A silicone floor heating mat for the powder reservoir ensures that the powder remains dry.

High voltage monitoring

- Evaluation, control and visualization of the high voltage setting on the generator to ensure consistent operation.

Enclosure thermal management

- To protect the components in the enclosure against overheating, we recommend using a thermal management system at ambient temperatures above 40°C.

Remote support

- We provide a remote support service in the event of a fault. Your machine is prepared for this in advance.

Initial operation

- We can also provide an optional support service to assist with initial operation as well as with training your operating and maintenance staff.

