

PM  
500  
KE-comp

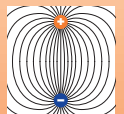
**PEKU**  
**tech GmbH**

# Cables & wires

Powder coating machine for cables  
PM 500 KE-comp



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 60 l

Electrostatic charging of the cable to be powdered

Please see overleaf for additional information and further options



## Additional information for PM 500 KE-comp

|                                       |                                |
|---------------------------------------|--------------------------------|
| Max. cable diameter                   | 200 mm                         |
| Max. line speed                       | 800 m/min                      |
| Dimensions (W/D/H)                    | 960 x 1360 x 1870 mm           |
| Static charge                         | Adjustable up to 30 kV         |
| Length of charging unit               | 300 mm                         |
| Power rating                          | Approx. 4,5 kW (IE3)           |
| Controller logic<br>(Siemens Simatic) | S7-1214<br>S7-1511C-2PN*       |
| Controller panel                      | KTP400 Basic<br>TP700 Comfort* |
| Compressed air consumption            | Approx. 4,5 Nm <sup>3</sup> /h |
| Operating pressure                    | 6 bars                         |
| Weight                                | Approx. 450 kg                 |

\*Optional add-on.

### 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.

#### 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.

#### CPU and HMI

- If desired, the machine can be equipped with a Siemens-CPU S7-1511C-1PN and a TP700 Comfort Panel.

#### 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.