

PEKU tech GmbH

Innovative powder coating technology

Powder coating machines for a wide range of customer applications



Even and dust-free powder coating for cables, hoses, profiles, moulded rubber parts, calendered products and rubberised fabrics



Visit our website: www.pekutech.de



Contact us at: info@pekutech.de



Why choose PEKUtech?

All commercially available powder materials can be used

- Talcum
- Stearate
- Graphite
- Cornflour



We provide machines for almost any application



- Profiles and hoses ✓
- Strips ✓
- Calendered products and rubberised fabrics ✓
- Rubber mouldings ✓
- Cables -

- **Electrostatic charging as standard for cables**
- **Large powder reservoir with capacities of up to 90 l**
- **Self-cleaning, differential pressure-controlled filter system**
- **ATEX-compliant version available on request**
- **Adjustable operating height available on request**
- **Reproducible process data**
- **Continuously variable powder coating quantity**
- **Low part replacement cost**
- **Over 40 years of experience in powder coating segment**

Do you have limited space available?

We provide many of our machines as compact variants.

Overview of machine models



PM 500 PS

- For powder coating hoses & profiles
- Optionally available as an ATEX-compliant version



PM 500 PS-comp

- For powder coating hoses & profiles
- Optionally available as an ATEX-compliant version



Overview of machine models



PM 500 KE

- For powder coating cables & wires
- Includes electrostatic charging

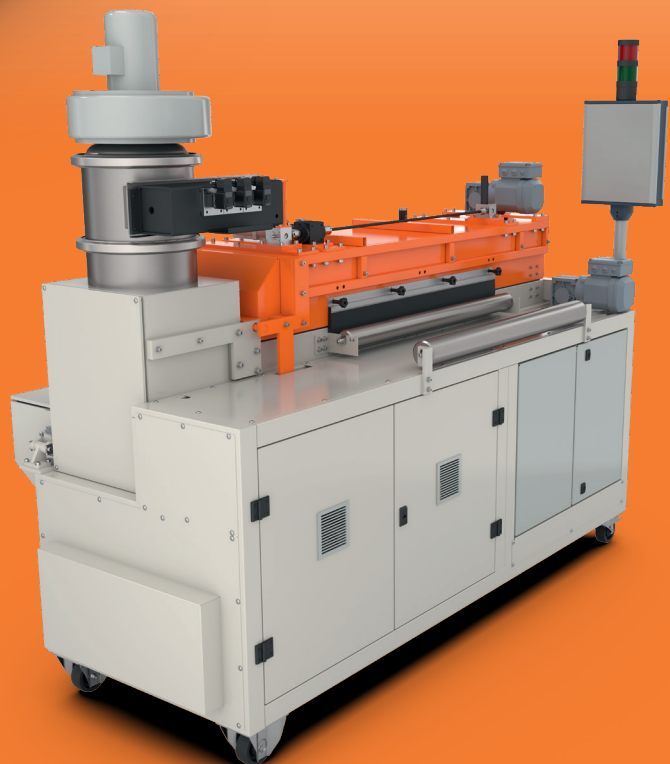
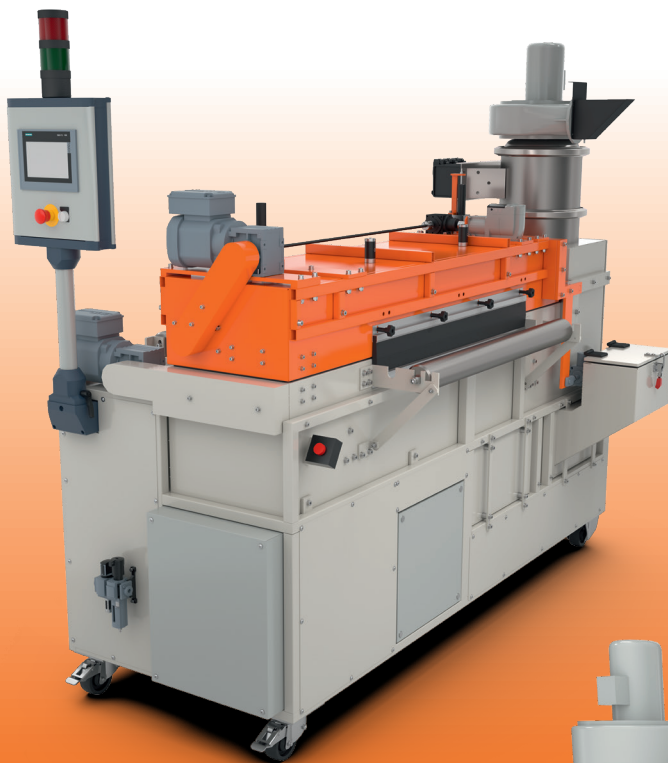


PM 500 KE-comp

- For powder coating cables & wires
- Includes electrostatic charging

PM 1000 RB

- For powder coating calendered products and rubberised fabrics
- Includes rotating brush unit on the outlet side
- Optionally available as an ATEX-compliant version



Powder coating possible for wider applications up to 3,000 mm

PM 800 D-comp



- For powder coating discontinuous products
- Design and length of the wire mesh conveyor belts can be adapted to meet customer requirements
- External dust extraction system as optional add-on
- Can also be supplied as a standard model
- Optionally available as an ATEX-compliant version



Powder coating possible for wider applications up to 1,000 mm



Overview of application types



PM 500 KE
For cables up to \varnothing 200 mm



PM 500 PS-comp
For hoses and profiles



PM 1500 RB For calendered products of up to 3000 mm



PM 700 D-comp
For moulded rubber products

You are welcome to contact us if you have any questions!



Your value added

Powder/air mixture generated mechanically

A consistent mixture of powder and air is generated by mechanical means using an agitator rotating in the powder reservoir without the need for external compressed air.

Large powder reservoir with a capacity of up to 90 l

- Enables the machine to operate constantly for up to 16 hours without refilling.
- Excess powder is recirculated within the machine.

Powder reservoir heating

It is not absolutely necessary to heat the powder reservoir for the machine to operate smoothly. However, if hygroscopic powder substances are used or if the machine is operated in a location with a high level of humidity, we recommend using a reservoir heater to condition the powder.

Powder nozzles

All our machines are equipped with four powder nozzles as standard. All the flexible hoses that transfer the powder/air mixture are located inside the machine. Should a hose rupture, none of the powder is released into the surrounding environment. The powder nozzles are made of steel and exhibit minimal wear and tear.

Electrostatic charging unit

The powder coating machines for cables are equipped with a electrostatic charging unit as standard. This charges the cables and not the powder, enabling the use of almost all types of powder without the need for a fire extinguishing system as the electrostatic charge is located outside the powdering area.

No need to monitor the powder flow

Thanks to the large internal diameter of the hoses (approx. 25 mm), the risk of blockages is very low. In the event that one of the four nozzles should become blocked, there are three additional powder nozzles that apply sufficient powder to ensure the cables or materials are thoroughly coated.

Minimal consumption of compressed air

The machine does not require any external compressed air to generate the powder/air mixture. It is only needed to clean the filter cartridges and rinse the bearings to extend their service life. Total compressed air consumption does not exceed approx. 4.5 m³/h.

Flexible costs thanks to scalability

Our machines can be ordered as low-cost versions in their standard configuration. In addition, they can be equipped with various additional features to meet specific customer requirements – while you keep full control of the costs.

Collection of process data and integration into production line

On request, we can equip our machines with a standard interface to enable them to be integrated into line communication and to transfer process data to a downstream MES.

Maintenance and remote support

We can provide you with support in preserving and extending the service life of your machine with maintenance and, should a fault arise, remote support services. Needless to say, our technicians can also make on-site visits to resolve any problems immediately.



About us

Expertise from Northern Germany

PEKUtech GmbH has specialised in the development, innovation and worldwide distribution of powder coating machines for the cable and rubber industry for more than 40 years. We supply machines for almost all applications in the cable and rubber processing segment.

The innovative design of our machines and their unique powder coating technology means that they can be used with nearly all commercially available powder materials, such as talcum, stearate, graphite and cornflour, among others.

All of our machines are equipped with CPU (Central Processing Unit) technology as well as our self-cleaning, differential pressure-controlled filter system, which ensures virtually dust-free operation without the need for external dust extraction systems.

What is more, many of our machines can be supplied as ATEX-compliant versions. In this way, our customers can also use organic powder materials in their applications with the utmost confidence.

We are constantly refining and developing our product range, also in collaboration with our customers, and this has propelled us to become the world's leading manufacturer of powder coating machines. Our portfolio encompasses everything from standard models to bespoke powder coating machines that meet our customers' specific requirements.

In keeping with our company's longstanding company philosophy, we have a razor-sharp focus on meeting the highest expectations of our existing customers, as well as on acquiring and retaining fully satisfied customers. To achieve this, we work in close co-operation with them while maintaining a high level of expertise, trust and strong relationships.

Our customers have confidence in our highly proficient technical advice and support. Based on the extensive knowledge we have of existing powder coating applications, we provide them with assistance in solving problems and optimising their manufacturing processes.



Our services & principles

Maintenance

A key stand-out feature of our machines is their long service life and, for this reason, regular maintenance is crucial. We want our machines to continue delivering the best possible performance for you and are happy to offer a service check-up or maintenance visit at any time.

Feel free to contact us and we will arrange a timely appointment.

Consultation

Almost every machine that supply is built to meet the specific demands and preferences of our customers. Our absolute focus is on you as the customer and our aim is to provide you with exactly the right machine and services for your needs. That is why it is so important for us to ensure you receive the most detailed and effective advice – so that you can make a well-informed decision.

Training

We offer regular training sessions for your operating and maintenance staff. Our certified specialists have been recognised experts in their field for many years and have a genuine passion for working with our customers.

Quality

We are absolutely committed to achieving the highest possible quality in our products and services. We only sell machines that meet our most exacting quality standards. **Regular and extensive product testing guarantees this quality.**

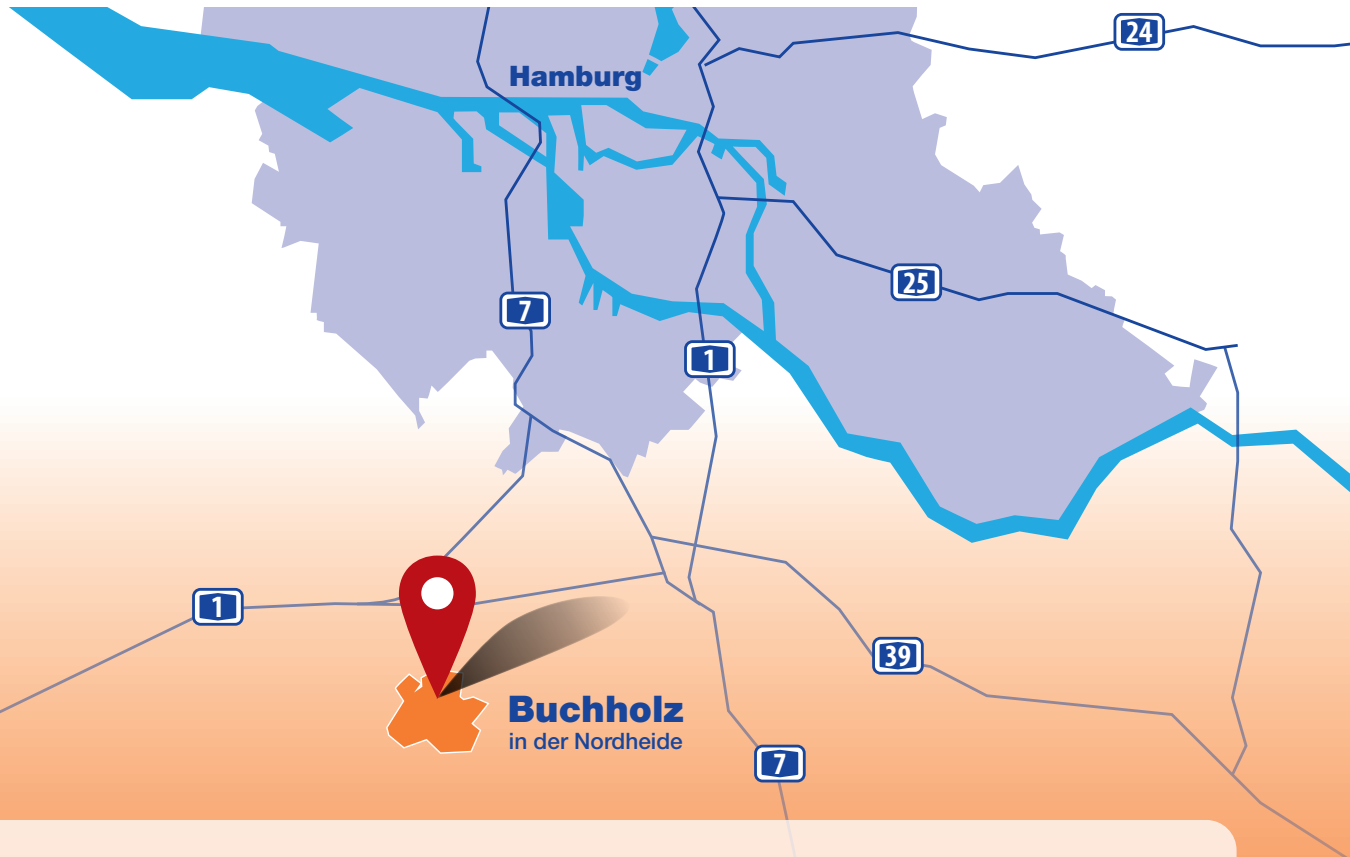
Efficiency

Time is money – for our customers, too. That is why our well-rehearsed team of experts has optimised our manufacturing processes. **This enables us to consistently guarantee timely delivery and avoid long waiting times.**

Fair prices

Transparent pricing forms the basis of working together in a spirit of mutual trust and confidence. That is why our prices are clear and fair. **In addition, we believe it is vital that our suppliers are paid appropriately for their work.**

Why choose PEKUtech?



- We are based in Germany and produce locally – but our network of sales and representative offices serves you across the globe.
- We have successfully combined **professional excellence and technical competence** for over 40 years.
- We maintain **close and personal contact to our customers.**
- We are constantly innovating, and manufacture according to current technological standards.
- We build on the trust we have gained and on the valued **customer/supplier relationships** we have established.
- Our **worldwide sales representatives** look forward to providing you with professional support and advice.
- Visit our website and find the contact details of the representative in your region.

Get in touch with us today!



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