Competence in SCATTERING

Ideas that bond.
Since 1949, we have been writing internationally successful machine history when it comes to subject of bonding, coating, pressing, or molding.

We welcome the opportunity to convince you – visit us at our facility and take the opportunity to find the most suitable solution for you in our Competence Center.

As a family owned enterprise, we see the commitment to combine tradition and innovation – let’s bond!
FUSING

Continuous fusing machines
RPS series
- L
- E1
- E2
- E2 Leather
- E4

Discontinuous fusing machines

Options
See brochure “Fusing”

LAMINATING

KFK series
- C
- E, EL, X
- XL
- P
- V
- L

Options
See brochure “Laminating”

SCATTERING

PST series
- Powder scattering
- Coating line

Options
- Siemens S7 control with Touch Panel
- Automatic filling
- Respirable dust extraction system
- Compound exhauster
- Ionizing device
- Stairs with passage gallery
- Rotating brush roller
- Rotating cleansing roller
- Powder collecting pan
- Height adjustment
- Scattering width adjustment
- Base frames

PRESSES

System
- Thermo-molding
- Thermo-stamping
- Thermo-consolidation
- Thermo-transfer

SERVICES

- After sales service
- Competence Center for customer trials
- Contract manufacture
- Contract laminating
For even and homogeneous distribution

By means of a rotating scattering roller the material to be scattered is conveyed out of the funnel and distributed evenly into the needle covering of the scattering roller.

Afterwards the material to be scattered is completely brushed out of the scattering roller by means of a brush belt. Finally the material is scattered evenly onto the material to be coated.

We offer scattering units for powdery materials such as:
- Thermoplastic adhesives
- Epoxy powders
- Recyclates
- Activated carbon
- Filling material
- Sand
- Grains
And many more. Ask us!
A scattering roller coated with a special needle covering in connection with a precisely adjustable brush belt provide for high-precision and very even application of the material to be scattered.

This highly flexibly scattering system allows an infinitely adjustable working width between 50 mm and 5,000 mm as well as the possibility to choose application weights between 3 g/m² and 2,000 g/m².

Our user-friendly scattering system enables an exchange time for scattering roller or brush belt shorter than 5 minutes in case of maintenance or process changeover.

The scattering accuracy depends on the used material to be scattered and is as follows for an applied quantity of:

- \(<25 \text{ g/m}^2 \) at ± 2 g/m²
- \(>25 \text{ g/m}^2 \) at ± 5%

Furthermore it is possible to archive specified weights as recipes resp. to store them in real time for process monitoring.
Small system solution - modular add-ons

Using extension modules for laminating machine, IR heating fields as well as roll-off devices and winders makes it a complete laminating / coating line.

Technical Data:

<table>
<thead>
<tr>
<th>PST</th>
<th>Width (mm)</th>
<th>400 or 600</th>
</tr>
</thead>
<tbody>
<tr>
<td>PST</td>
<td>Scattering roller ø (mm)</td>
<td>90</td>
</tr>
<tr>
<td>PST</td>
<td>Brush unit</td>
<td>oscillating or rotating</td>
</tr>
<tr>
<td>PST</td>
<td>Filling</td>
<td>manual or automatic</td>
</tr>
<tr>
<td>PST</td>
<td>Scattering width</td>
<td>infinitely adjustable</td>
</tr>
<tr>
<td>PST</td>
<td>Scattering quantity</td>
<td>infinitely adjustable, synchronous with line speed</td>
</tr>
</tbody>
</table>

We developed this type for smaller sizes as well as for manageable volumes or laboratory applications.

Our small powder scatter can either be used integrated into a whole line or as stand-alone version. The know-how of our big powder scatters has been integrated in its design.
In our well equipped Competence Center, all relevant parameters to achieve the perfect customer solution can be worked out together with our engineers. On site, we will find the ideal solution together – let’s bond!
With the right system for success
Powder lamination

- Roll-off device
- Powder scattering device
- Heating zones
- Cooling zones
- Winder

Powder coating with calander

- Roll-off device with material storage
- Powder scattering device
- IR heating field
- Calander or cooling roller
- Winder
Our in-house developed modules and optional components increase the safety, economic efficiency and relieve the operator as far as possible.

It is our goal to develop together with you, the ideal and most efficient configuration for your scattering application. We take pleasure in comprehensively advising you – just let us know your preferences.
Modules for more efficiency and cost effectiveness

Rotating brush roller

Respirable dust extraction system

Manual height adjustment

Base frame with bar

Options (without illustrations):
- Powder collecting pan
- Height adjustment
- Centric scattering width adjustment
- Cleansing roller
- Stairs
- Base frames

- Cleansing slider or vibratory device
- Manual or motorized
- Manual or motorized rotating
- With passage gallery
- Conveyor belt, rollers, rails, bars
System solutions for bonding technique for
- **Garment industry**
- **Textile industry** (textile lamination, powder coating...)
- **Technical textiles** (powder coating, impregnation...)
- **Automotive interior and acoustics**
- **Composites** (honeycomb sandwich sheets, fiber reinforced composites...)
- **Medical** (consolidate, calibrate, membrane foil coating...)

Together we are able to configure your ideal machine concept during free initial trials. Visit our Competence Center.

We look forward to the challenge.