We offer proven accurate and efficient scattering systems for powder, granules, fibres, flakes, chips and many other types of products.

ipco.com
PRECISION SCATTERING SOLUTIONS FOR BULK MATERIALS

Including powders, granules, chips and fibers

As a world leader in precision scattering technology and manufacturer of the most extensive range in the industry, we can offer proven and efficient technologies for every scattering application.

Our systems are used for the accurate scattering of powder, granular and fibrous products, as well as glitter, flakes, chips, sand, carbon black, glass, corundum, sesame, spices and more.

We have a full range of systems available for testing on your own products, and can also provide rental scattering units for in-house trials.

Standard scattering widths from 300 – 5 200 mm.

The range of end products manufactured on our systems is equally diverse and extends across the following industries:

- Flooring
- Composites
- Automotive
- Non-wovens
- Textiles
- Recycling
- Construction
- Electrics
- Filter media
- Food
- Furniture
- Wallpapers

All ScatterPro systems are available in different sizes and capacities.
ScatterPro G: Granule scattering unit with rotating brush-off system

### Granules
- Max. Granule size: 10 × 5 mm
- Max. scattering width: 4 200 mm
- Max. scattering weight depends on belt speed

**Decisive Advantages:**
- Uniform distribution of the granules in the hopper with traversing distribution unit
- Doctor blade with adjustable segments (by hand or electrically).
- Scattering rolls with cells designed to the size of the granules.
- Clock- and counterclockwise rotation of the brush-off roller.
- Easy and optimum adjustment of the distance between brush and scattering roller with digital position display.
- Easy change of the brush roller due to a shell clamping device. Distance to the scattering roller remains unchanged.

For Flakes, Chips, Granules, Sand, Carbon, Glass, Corundum etc.
ScatterPro P: Powder scattering unit with oscillating brush-off system

<table>
<thead>
<tr>
<th>Powder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Powder size 1.5 mm</td>
</tr>
<tr>
<td>Max. scattering width 5 200 mm</td>
</tr>
<tr>
<td>Max. scattering weight depends on belt speed</td>
</tr>
</tbody>
</table>

For Powder, Mica, Glittering Particles, Chips, Flakes, Granules, Fibers, Sand, Carbon, Glass, Corundum and more.

Method of operation
Feeding of the powder to the funnel shaped hopper is done by vacuum sucking or auger system. Inside the hopper the powder is uniformly distributed and the level is kept constant during the scattering process.

The formation of cavities and decomposition of the material is avoided through the use of a special mixer (spiked roller). The scattering roller is mounted below the hopper and is designed according to the powder size.

The powder is picked up by the scattering roller and stripped at a flexible doctor blade, which ensures an even dosing of the material over the whole scattering width. The scattering roller is driven by a servo drive, ensuring scattering of the required quantity (g/m²) onto the product.

The result of the perfect interaction of all technical components is an accurate and uniform distribution of the powder onto the substrate.
ScatterPro C: Corundum scattering unit with high frequency oscillating brush-off system

<table>
<thead>
<tr>
<th>Powder</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Powder size type</td>
<td>e.g.</td>
</tr>
<tr>
<td>Max. scattering width</td>
<td>3 000 mm</td>
</tr>
<tr>
<td>Max. scattering weight depends on belt speed</td>
<td></td>
</tr>
</tbody>
</table>

Features of ScatterPro C — the unique scattering technology for abrasion-resistant surfaces and even coating paper.
Lower investment costs compared to conventional mixing equipment:

- No resin-corundum mixing equipment required
- No pot life for resin-corundum as only corundum is needed
- Quick change of different sorts of corundum
- Even distribution over complete product width delivers material savings
- Low downtime as nozzles do not plug
- No comminuting necessary, so rougher papers can also be coated
- Lower energy costs
- No change of hoses for hose pumps necessary
- Compact system design means less space
- Standard scattering widths from 300 – 3 000 mm

For Sand, Silicium Carbide, Aluminium Oxide, Corundum and more.

Typical applications: Floorings, Overlay Papers, Safety Floorings ...
ScatterPro F: Fiber scattering unit with rotating brush-off system

| Fiber |  
|---|---|
| Fiber length | 0.5 - 8 mm |
| Max. scattering width | 4 200 mm |
| Max. scattering weight | depends on belt speed |

Decisive Advantages:
- Specially developed agitator for the uniform distribution of the fibers in the material hopper
- Doctor blade with adjustable segments
- Optimized scattering roller design to hold the fibers
- Reversible rotation of the brush-off roller
- Easy and optimum adjustment of the distance between brush and scattering roller with digital position display
- Easy change of the brush roller due to a shell clamping device. The distance to the scattering roller remains unchanged

For uniform scattering fibrous materials; applications include products for the Automotive, Textile, Recycling and Construction industries.

Typical applications: Technical Textiles, Protective Fabrics, Filters / Pollution Filter, Geo Textiles, Glass Fibers, Carbon Fibers
Granules

Max. Granule size 2 mm
Max. scattering width 2 500 mm
Max. scattering weight depends on belt speed

ScatterPro RSS: Design scattering unit with rotating screen

For design scatter coating using Powder, Mica, Glittering particles, Chips, Flakes, Glass, Semolina, Sesame etc.

It is often the individual combination of IPCO scattering technologies that enables the development of new, innovative products.

Typical applications: Food, Burger Buns, Cookies, Cup Cakes, Flooring, Design surfaces ...