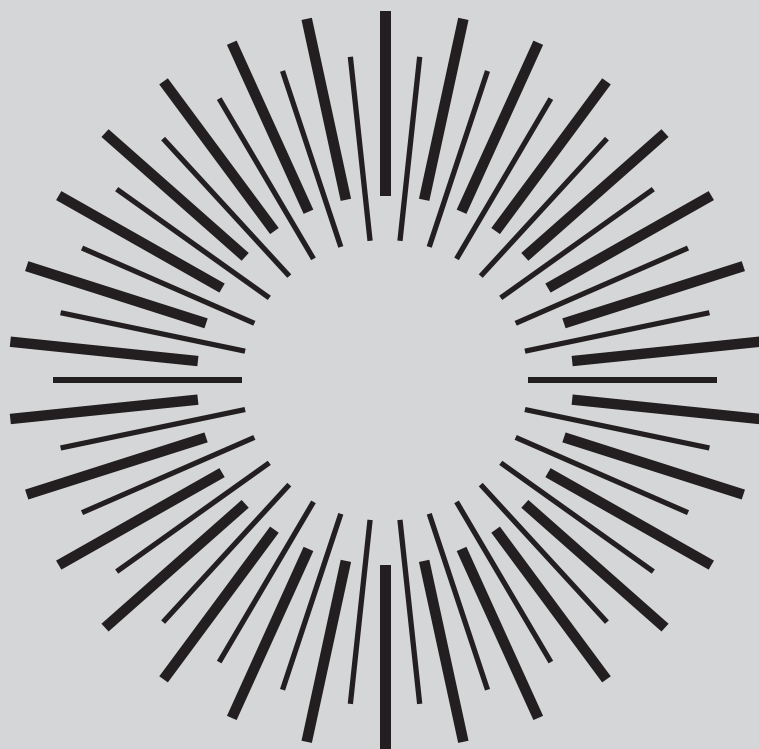




We offer proven accurate and efficient scattering systems for powder, granules, fibers, flakes, chips and many other types of bulk materials.

ipco.com

PRECISION SCATTERING SYSTEMS—FOR BULK—MATERIALS—



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.

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:

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

All ScatterPro systems are available in different sizes and capacities and can be combined to develop innovative products.

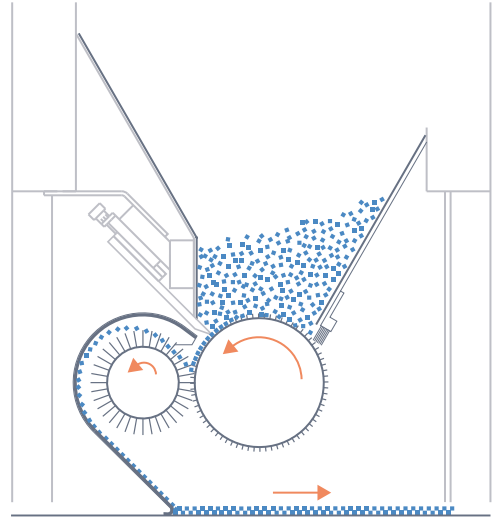
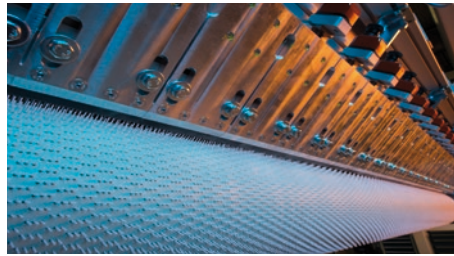
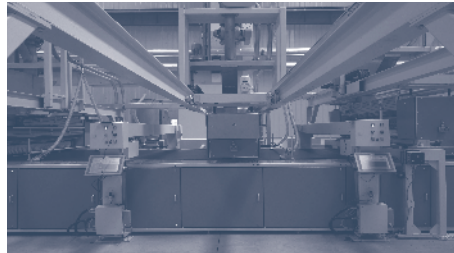
ScatterPro systems in production at our headquarters in Göppingen, Germany.



ScatterPro G: Granule scattering unit with rotating brush-off system

Granules

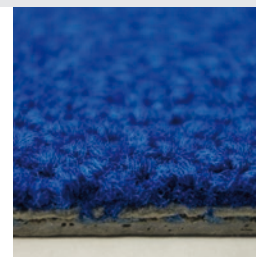
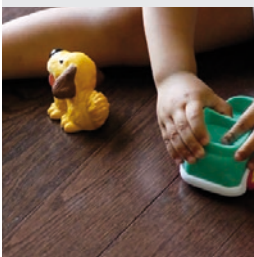
Max. granule size	10×5 mm
Scattering width	300–4 200 mm
Max. scattering weight	depends on belt speed



For uniform scattering of flakes, chips, granules and more.

Key features and benefits:

- Uniform distribution of the granules in the hopper by traversing feed unit.
- Accurate and uniform distribution of the granules onto the substrate.
- Scattering rolls with cells tailored to the size of the granules.
- Special mixer (spiked roller) eliminates risk of cavities and material decomposition.
- Rigid doctor blade or with adjustable segments (by hand or electrically).
- Clockwise / counter clockwise rotation of the brush-off roller.
- Choice of feed types: vacuum suction or conveyor system.
- 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 scattering roller remains unchanged).
- Easy change of the scattering roller due to half shell bearings.
- Servo-driven roller ensures scattering of the required quantity (g/m²) onto the product.

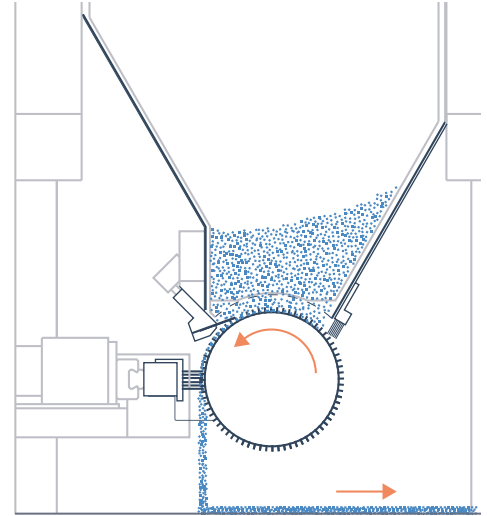
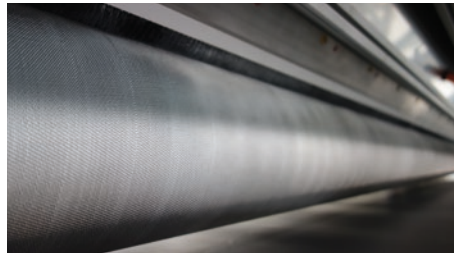
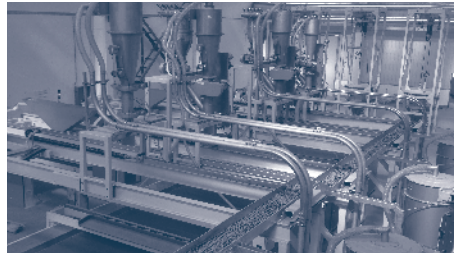


Typical applications include flooring, cushion vinyl and rubber tiles.

ScatterPro P: Powder scattering unit with oscillating brush-off system

Powder

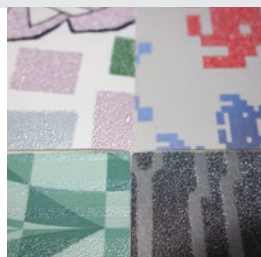
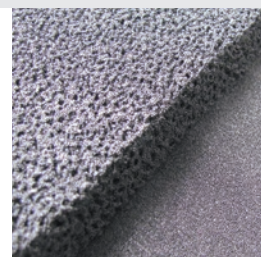
Max. powder size	1.5 mm
Scattering width	300–5 200 mm
Max. scattering weight	depends on belt speed



For uniform scattering of powder, mica, glitter particles, chips, flakes, sand, active carbon, glass beads and more.

Key features and benefits:

- Uniform distribution of the powder in the hopper by traversing feed unit.
- Accurate and uniform distribution of the powder onto the substrate.
- Scattering roller and oscillating brush designed according to the powder size.
- Special mixer (spiked roller) eliminates risk of cavities and material decomposition.
- Flexible doctor blade ensures even dosing over the whole scattering width.
- Fully integrated system design.
- Choice of feed types: vacuum suction or conveyor system.
- Easy change of the scattering roller due to half shell bearings.
- Servo-driven roller ensures scattering of the required quantity (g/m²) onto the product.



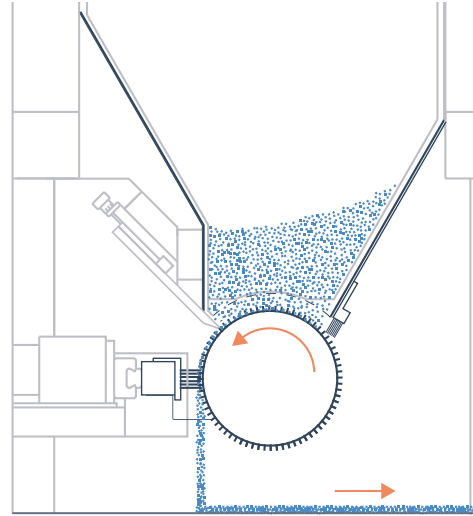
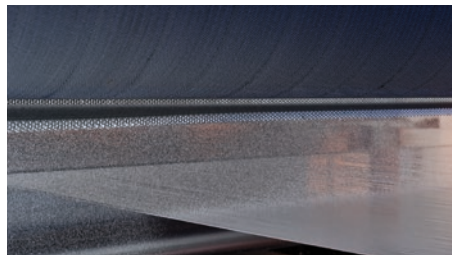
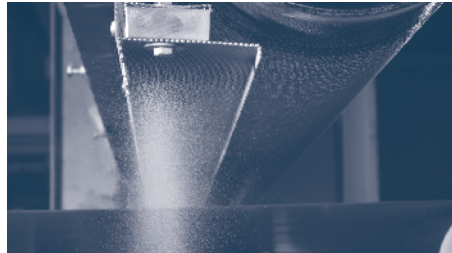
ScatterPro C: Corundum scattering unit with high frequency oscillating brush-off system

Powder

Powder size type, e.g. F36-F240

Scattering width 300–3 000 mm

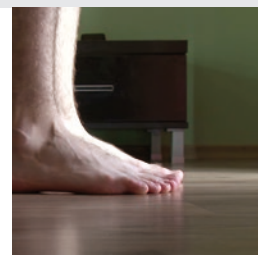
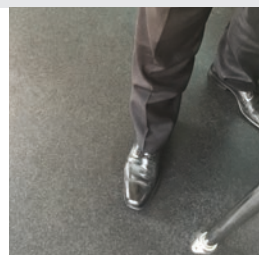
Max. scattering weight depends on belt speed



For uniform scattering of sand, silicium carbide, corundum and more.

Key features and benefits:

- Unique scattering technology for abrasion-resistant surfaces.
- Lower investment costs compared to conventional mixing equipment.
- No resin required, eliminating the need for mixing equipment and 'pot life' limitations.
- Less downtime compared to conventional systems.
- Larger quantity of corundum can be applied compared to conventional systems enabling a higher abrasive class.
- Energy efficient operation for low costs and low carbon footprint.
- Compact system design means less space requirement.
- Uniform distribution of the corundum in the hopper with traversing feed unit or conveyor system.
- Even distribution over complete product width enables material saving.
- Versatile system: quick change between different sorts of corundum as well as different abrasion classes.
- Choice of feed types: vacuum suction or gravimetric system.
- Easy change of the scattering roller due to half shell bearings.
- Servo-driven roller ensures scattering of the required quantity (g/m^2) onto the product.

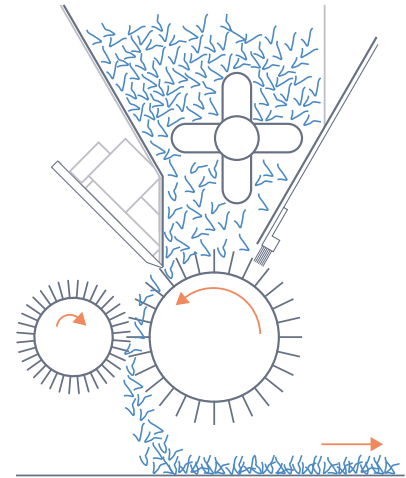
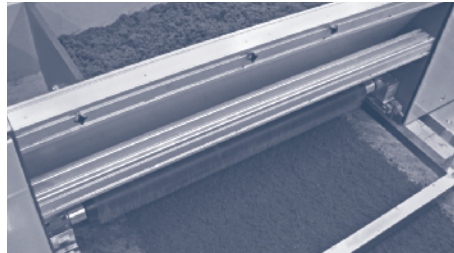


Typical applications include flooring, overlay papers, decorative papers, safety flooring and other abrasion-resistant surfaces.

ScatterPro F: Fiber scattering unit with rotating brush-off system

Fiber

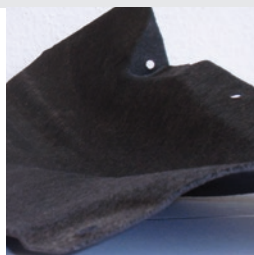
Fiber length	0.5–8 mm
Scattering width	300–4 200 mm
Max. scattering weight depends on belt speed	



For uniform scattering of fibrous materials used in the manufacture of products for the automotive, textile, recycling and construction industries.

Key features and benefits:

- Uniform distribution of the fibers in the hopper with traversing feed unit.
- Specially developed agitator for the uniform distribution of the fibers in the material hopper.
- Optimized scattering roller design to hold the fibers.
- Rigid doctor blade or with adjustable segments.
- Feeding by conveyor system.
- 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.
- Easy change of the scattering roller due to half shell bearings.
- Servo-driven roller ensures scattering of the required quantity (g/m²) onto the product.



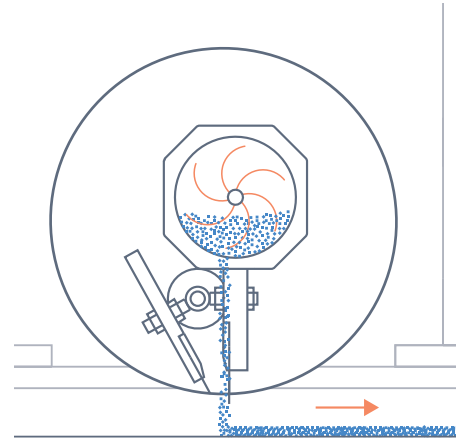
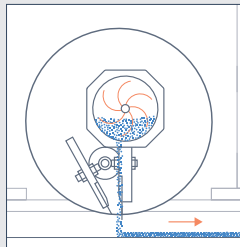
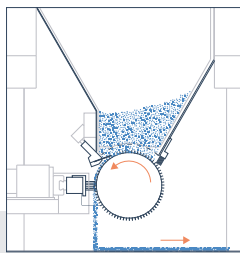
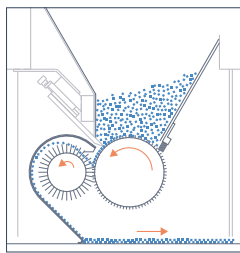
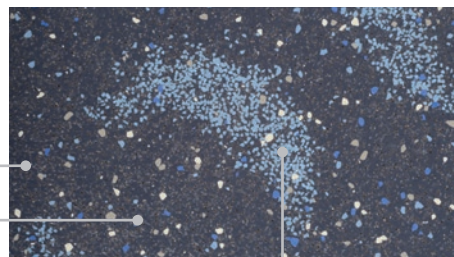
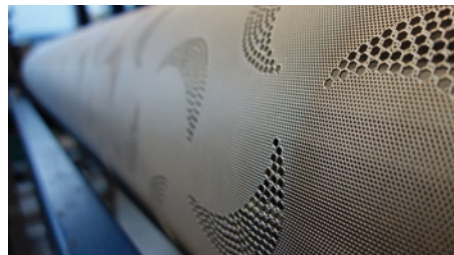
ScatterPro RSS: Pattern/design scattering unit with rotating screen

Granules

Max. granule size 2 mm

Scattering width 500–
2 500 mm

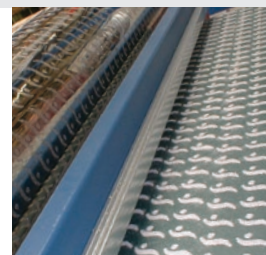
Max. scattering weight
depends on belt speed



For design scatter coating applications using powder, mica, glitter particles, chips, flakes, glass, semolina, sesame and more.

Key features and benefits:

- Screen scatter coater with rotary screen for patterns and decorative coatings.
- Accurate placement of decorative scattering material.
- Feed tube incorporates conveyor screw ensuring distribution across full width.
- Quick and easy changeover of the rotary screen.
- Easy removal of the inner feeding system.
- V-shaped doctor blade for accurate scattering of the material onto the substrate.
- Specific rotary screen design resulting in up to 25% material saving.
- Servo-driven roller ensures scattering of the required quantity (g/m^2) onto the product.



Typical applications include food, burger buns, cookies, cup cakes, flooring and design surfaces.



PRECISION SCATTERING SYSTEMS FOR BULK MATERIALS