

# TechnoPartner Samtronic

## Coating by Scattering Technology

### Precision Scattering Machine "Rotary Brush System"



#### Application:

- Recycling Material
- Decorative Surface Effect Coating
- Surface-Finishing i.e. Wear and Tear,
- Carbon Particle – Filter Media etc.
- Fibres for Automotive and Textile Industry
- Lamination
- Material Hardening

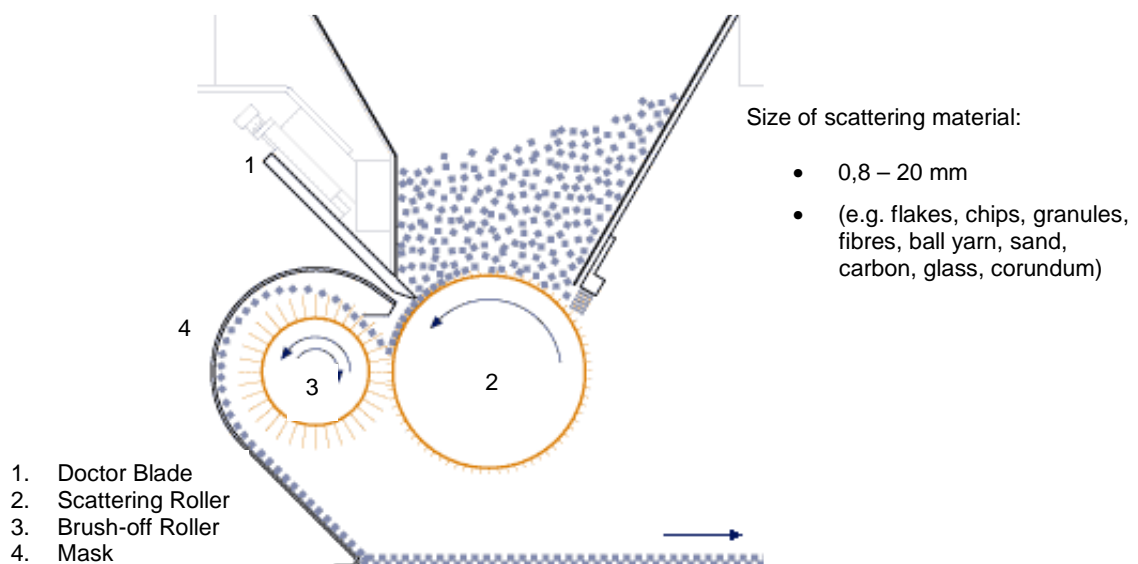
#### **Decisive Advantages**

- *Uniform distribution of the granules in the hopper.*
- *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.*

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## Method of operation

The funnel-shaped charging hopper is fed with the granules by means of an e.g. vacuum charging (conveying) system. Inside the hopper the granules are uniformly distributed and the level is kept constant during the scattering process. Cavity formation and decomposition of the granules are avoided by a special mixer (spiked roller). The scattering roller is fixed at the bottom side of the hopper. The cell dimension of the scattering roller is designed according to the granule dimension. The granules are picked up by the scattering roller and stripped at a doctor blade; the doctor blade is split up to adjustable segments. After that the accurately dosed granules are conveyed to a rotating brushing device. The direction of rotation is product-bound; the brushing device can work in both directions, i.e. in running direction of the scattering roller or in reversed direction. If working in reversed direction the granules are directly transferred to the subjacent substrate line respectively a conveyor belt. If working in running direction the bulk material is subject to a rotation through 180° in a mask (reflector) through centrifugal force and from there the bulk material is evenly sliding onto the subjacent substrate line respectively a conveyor belt.



- **All scattering machines are available in different sizes and capacities.**
- **Scattering machines can be supplied with vertical and horizontal transfer system for easy cleaning and maintenance work.**
- **By means of a supplementary set the rotating brushing device can be modified into an oscillating brushing device.**