

TechnoPartner Samtronic

Coating by Scattering Technology

Precision Scattering Machine "Oscillating Brush System"



Application:

- Hot Melt Coating and Lamination
- Decorative Surface Effect Coating
- Surface-Finishing e.g. Wear and Tear, Safety...
- Carbon Particle – Filter Media etc.
- Impregnation

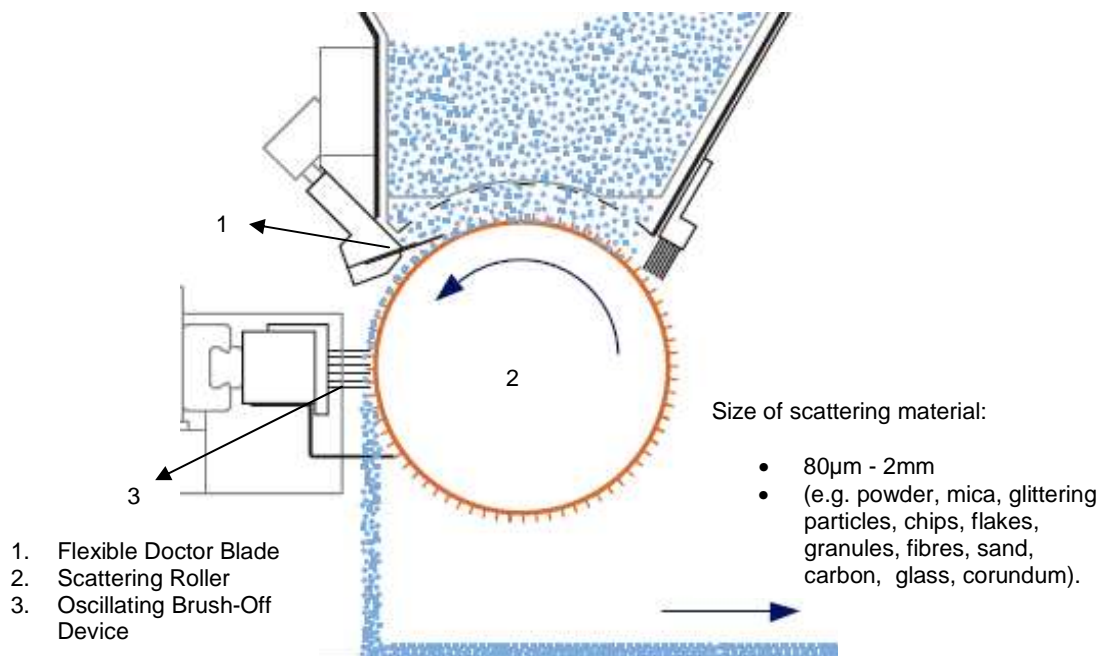
Decisive Advantages

- *Accurate and uniform distribution of the scattering material w/o clouds due to a specially designed oscillating brush.*
- *Frequency-controlled motor for the oscillating brush drive.*
- *Servo controlled motor for the scattering roller.*
- *Easy and optimal adjustment of oscillating brush with dovetail guides on both sides.*
- *Easy and quick change of the scattering roller due to a specially designed bearing housing.*
- *Manual removing of the oscillating brush.*

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Method of operation

The funnel-shaped charging hopper is fed with the powder by means of an e.g. vacuum charging (conveying) system. Inside the hopper the powder is uniformly distributed and the level is kept constant during the scattering process. Cavity formation and decomposition of the powder are avoided by a special mixer (spiked roller). The scattering roller is fixed at the bottom side of the hopper. The scattering roller is designed according to the powder size. The powder is picked up by the scattering roller and stripped at a flexible doctor blade. The doctor blade design guarantees an even distribution of the material over the whole scattering width. The scattering roller is driven by a servo drive which guarantees the scattering of the required quantity (g/m^2) onto the product. A specially designed oscillating brush-off device ensures an accurate and uniform brush-off of the scattering material out of the scattering roll onto the substrate.



- **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 oscillating brushing device can be modified into a rotating brushing device.**