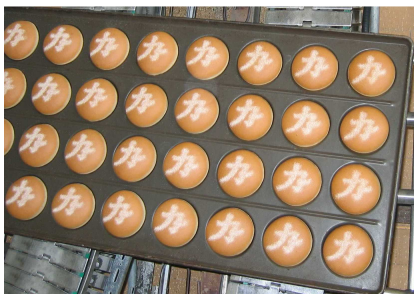


TechnoPartner Samtronic

Coating by Scattering Technology

Precision Scattering Machine "Rotary Screen"



Application:

- Food Industry
- Decorative Surface Effect Coating
- Micron Surface-Finishing e.g. Wear and Tear, Safety...

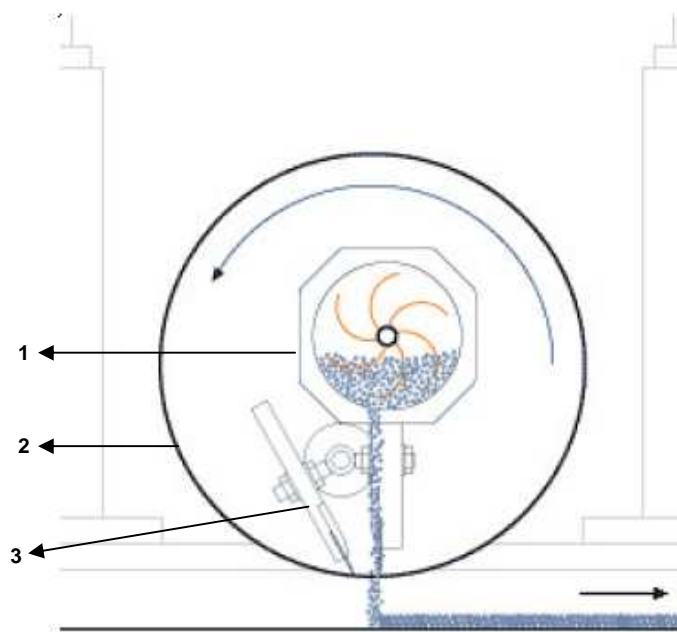
Decisive Advantages

- *Accurate and uniform distribution of very fine scattering material.*
- *Servo controlled motor for the rotary screen.*
- *Frequency controlled distribution screw.*
- *Easy and quick change of the rotary screen.*
- *Manual removing of the tube with the distribution screw.*
- *V-shape doctor blade for accurate scattering of the material onto the substrate.*
- *10 – 25% less scattering material needed due to the very precise scattering process => (Bakery Industry)*

Coating by Scattering Technology

Method of operation

The working principal of the "Rotary Screen" scattering process is quite similar to the colour printing process. Through a tube with integrated distribution screw the scatter material is conveyed over the whole width of the scattering machine. Holes on the bottom side of the tube guarantee an even and constant flow of the material onto the specially designed V-shaped doctor blade. The doctor blade pushes the scatter material through the holes of the thin-walled, perforated and rotating metal screen (rotary screen). According to the design of the screen the material falls down onto the substrates.



- 1) Tube with distribution screw
- 2) Thin-walled perforated screen
- 3) Doctor blade

Size of scattering material:

- 30µm - 3mm
- (e.g. powder, mica, semolina,

All scattering machines are available in different sizes and capacities.



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