

POWDER SCATTERING DEVICE FOR THERMO-ADHESIVE POWDERS

Powder Scattering Device

Our Powder Scattering Device (PSD) has a specially designed applicator roller surface to ensure a regular scattering of any commercially available thermoplastic adhesive powder (approx. 80-500 μ). The required amount of powder adhesive can be set with ease and this setting is then synchronized with the speed of the production line. Low amounts of just a few gr/m² for cost effective laminating or high amounts of powder for full surface coating are possible with the same applicator roller: independent of the polymer type; EVA, PE, PA, PES, TPU etc.

An oscillating brush with stainless steel needles ensures a complete removal of the powder from the rotating applicator roller. The required working width can be adjusted to be step-less and asymmetric if required over the complete width.

- ▶ Accurate
- ▶ Reproducible
- ▶ Easy to Maintain



PSD

POWDER SCATTERING DEVICE

The Powder Scattering Device (PSD) is designed to distribute all kinds of commercial available thermoplastic adhesive powder evenly. The required amount of adhesive powder can be set with ease and this setting is then synchronized with the speed of the production line. The required working width can be adjusted stepless and asymmetric if required over the complete width.

CHARACTERISTICS:

- Available in Machine widths of 1000, 2000, 2200, 2750 and 3500 mm
- Maximum powder coating weight 2000 gr/min per meter width (at speed of 40 m./min. Max supply is 50 gr/m²)
- Powder container with a content of 140 l/m³, level detector and liftable lid
- Stepless manual width setting by 2 baffle plates
- Scattering roller with needle surface suitable for powder particles of typically 80 – 500 µ, Roller can be exchanged quickly
- Powder brush construction offering exact brush adjustment and easy access to the brush for inspection and cleaning
- Adjustable sieve to fit specific powders
- Concealed construction limiting undesired dust accumulation
- Touch screen operating panel with:
 - 5.7 Inch Touch screen
 - Recipe management
 - Display of the significant selected parameters
 - Password protection
 - Calibration mode

OPTIONS:

- Ionisation bar
- Automatic powder supply

TECHNICAL SPECIFICATIONS

DIMENSIONS

Machine length	2050/3050/3250/3800/4550
Machine width	580 mm
Machine height	700 mm
Machine weight	400/600/700/800/1200 kg

ROLLER WORKING WIDTH

Roller width/scattering width	1000/800 mm 2000/1800 mm 2200/2000 mm 2750/2500 mm 3500/3200 mm
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OUTPUT

Maximum output	2000 g/lin.m/min.
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AIR

Air pressure/connection	6 bar/G 1/4"
Working pressure	3 bar
Compressed air consumption	0,6 Nm ³ /hr

ELECTRICAL INFORMATION

Required power	0,55 kW
Installed power	2 kVA
Electricity	400 V (3-ph) 50 Hz
Switch box	3x1,55 mm ²
Earth	1,5 mm ²

