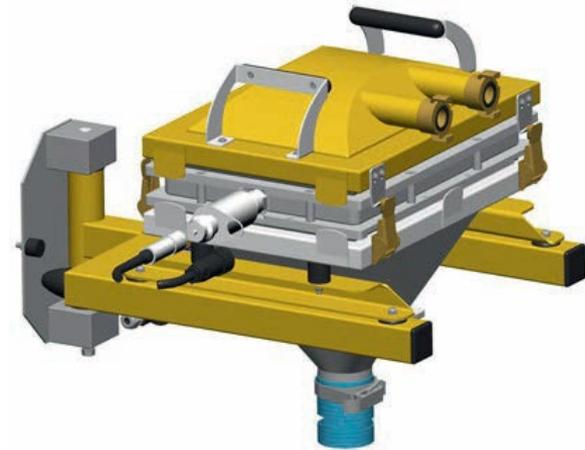


Good sieving improves your coating results

A good sieving solution helps to **eliminate contamination** from the recovery circuit and **prepares powder** for the feed to the guns.



Reduced
contaminations



Improved
application quality

Improved
powder delivery

Sieving: how does it work?

- Powder passes through a **screen** that retains the particles with a bigger diameter (contaminants).
- The choice of the right **mesh size** of the sieving screen is very important and usually requires some compromise:
 - A finer mesh grants a higher-quality sieving.
 - A bigger mesh allows larger powder throughput.
- Different sieve technologies are available to fulfill various application needs:
 - **Vibratory sieves** are the easier solution, robust and reliable.
 - **Ultrasonic sieves** use higher frequency vibrations and can consequently process higher powder quantity with a small mesh size.
 - **Rotary sieves** offer the advantage of the automatic discharge of the dust particles.

A wide variety of sieving solutions



	PS2 Vibratory Sieve	PS2-2 Double Vibratory Sieve	PS7 Vibratory Sieve	AZO Rotary Sieve	US03 Ultrasonic Sieve	US07 Ultrasonic Sieve
Sieve technology	Electric vibratory sieve	Electric vibratory sieve	Electric vibratory sieve	Rotary sieve	Ultrasonic sieve	Ultrasonic sieve
Integration	Stand alone or Powder Center	Stand alone	OptiCenter OC04/5	Stand alone	Stand alone or Powder Center	OptiCenter OC06/7/8
Powder Type	Organic powder or porcelain enamel	Organic powder or porcelain enamel	Organic powder or porcelain enamel	Organic powder or porcelain enamel	Organic powder	Organic powder
Powder sieve capacity <small>*standard mesh size & depending powder</small>	*up to 3 kg/min	*up to 6 kg/min	*up to 3 kg/min	*up to 5 kg/min	*up to 4 kg/min	*up to 4 kg/min
Standard mesh size	300 µm	300 µm	350 µm	245 µm	200 µm	250 µm
Available mesh sizes	200 - 750 µm	200 - 750 µm	300 - 500 µm	160 - 500 µm	140 - 200 µm	140 - 300 µm
Ideal for	Flexibility Easy integration	Flexibility, capacity Easy integration	Flexibility Color change	High quality needs Automatic dirt discharge	High quality needs Easy integration	High quality needs Color change

Easy integration into existing systems

- A good sieving solution can significantly improve the **application quality** of every powder coating line.
- Gema sieving solutions are also available as retrofit kits and can be **easily added into existing lines**.

