



**High Frequency ECS
with eccentric rotor system**



High Frequency ECS 0428-18RX

Eccentric High Frequency ECS:



Our design:

Technical data:

Rotor diameter: 180 mm

Rotary speed: up to 7000 rpm*

Eccentric rotor

Frequency regulated drives

Working widths:

600/750/900 mm

* depending on type/size

(subject to technical changes)

Highly modern drive and bearing technology makes it possible to achieve previously unattained rotor speeds.

Sophisticated balancing techniques are critical for rotor systems with minimal resonance and vibrations.

A special eccentric rotor design ensures that the magnetic field has the maximum depth effect and volume expansion over the conveyor or belt. In addition, the belt is made of extremely thin and wear-resistant polyurethane.

Precision for small particles



Image source: Nepomuk Karbacher / www.bilder.n3po.com

Your advantages:

- ☑ Very high separation efficiency
- ☑ Excellent product purity
- ☑ Exact process repeatability
- ☑ High level of operational safety
- ☑ Low cost of ownership
- ☑ Comparatively low investment costs
- ☑ Fast return on investment
- ☑ Wagner Magnete quality
- ☑ Made in Germany

Typical applications:

- waste incineration slag
- PET flakes
- WEEE
- Plastic granules
- Cable granules

Eccentric High Frequency ECS

Extremely precise and efficient

The heart of the high frequency non-ferrous eddy current separator from the Wagner 0428-18RX series is the innovative precision rotor system.

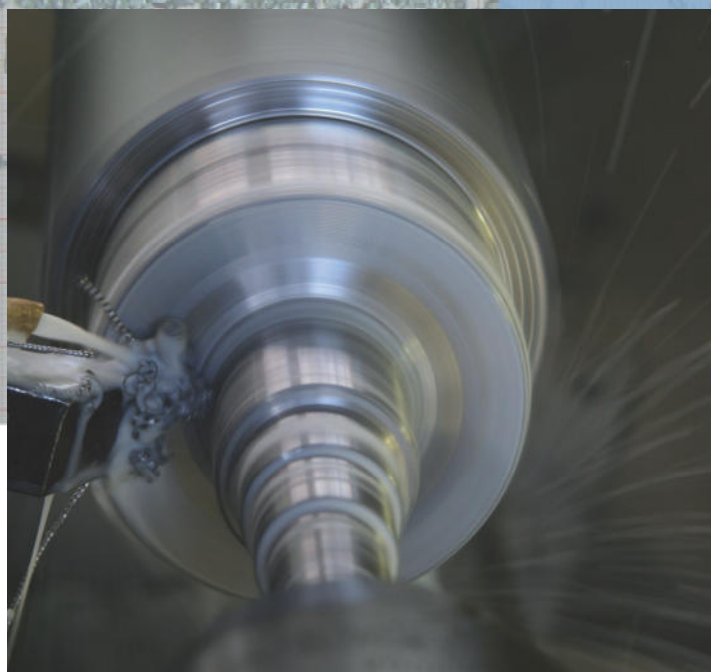
The rotor system is precisely balanced and its special design optimizes resonance and reduces vibrations.

Minute non-ferrous particles require a high magnetic field frequency.

Because of the high rotor speed of the 0428-18RX series and the fact that it is the world's first eccentric high frequency rotor system, the number of magnetic poles on the rotor can be kept low, thus achieving a maximum depth effect.

Compared with fine-pole rotors with a large number of poles, the depth effect, the volume expansion of the magnetic field and the repeatability of the eddy current separator process, and therefore the effectiveness of this process for fines, is considerably improved.

Rotor speeds of up to 7,000 rpm can be achieved depending on the device type.



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