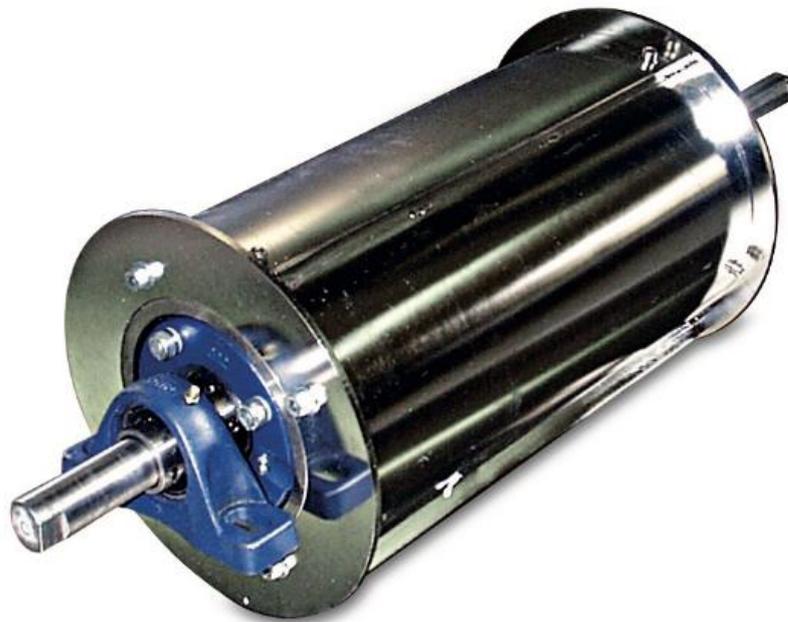


- For non-free-flowing bulk material applications
- Continuous operation
- Self-cleaning
- High throughput capacity
- Strong magnetic performance
- Sturdy design
- Easy integration
- Optimal separation
- Neodymium version
- Customer-specific shaft design
- Possible usage in ATEX zones



## Drum magnet system

### Function:



Applying efficient neodymium magnet with a remanence of 12000 gauss ferromagnetic particles are reliably separated, which reduces the risk of expensive repairs and plant downtimes. The rotating drum shell is equipped with cleats that continuously strip off all the magnetic contaminants from the system. The rotary motion of the drum shell transports these ferrous materials out of the magnet range where they fall off via a diverter shield (see function sketch).

### Main components:

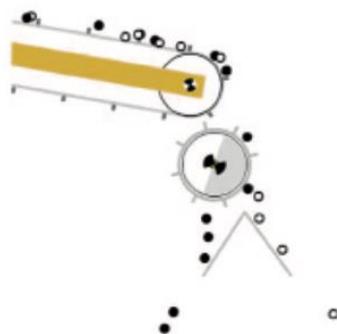
- Neodymium version
- Static magnetic field covering 180°
- Separation unit: Continuous contaminant removal by the rotating drum shell
- Electric motor (option)

### Drum magnet TMN (neodymium version):

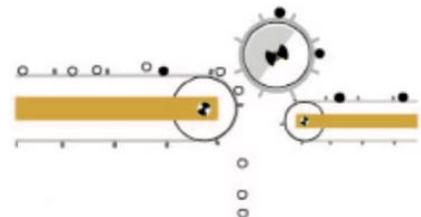
For applications with higher cleaning performance demands Premium Magnets provides drum magnets with high-energy neodymium magnet material. These systems have a strong magnetic field and are thus able to also separate smaller ferromagnetic particles.

### Typical fields of application:

- Inspection of bulk material (also non-free-flowing)
- Iron pre-separation of coarse contaminants (system protection)
- Separation at high throughputs or high level of contaminants.



Separation via a diverter shield



Separation via another conveyor belt