

# RAPID DUAL

## Metal separator for free-fall applications

- Detects and separates magnetic and non-magnetic metal contamination, even when enclosed in product
- Reduces expensive machinery failure and minimises production downtime
- Ensures product quality
- Prevents customer complaints
- Break even within a very short period of time



- Minimum space requirement and can be easily fitted into existing pipeline systems
- Standard Jacobs adaptors for inlet and outlet ensure quick, hassle-free installation
- Separation unit and enclosure in stainless steel
- Minimal loss of good material through "Quick Flap" reject system
- Vertical, barrier free material throughput; reject angle 40°
- Pre-installed settings allow easy operation
- Auto-Set (auto-teach function) or manual product compensation (no fixed setting) for improved adaptation to the intrinsic conductivity of the product to be inspected
- Drop height 700 mm



*Installation example: Metal separator RAPID DUAL used for machinery protection during wood pellet production (old version)*

### Scope of delivery:

- Compact system with integrated detection system and separation unit
- Control unit PRIMUS+

### Options/Accessories:

- Audible and visual alarm systems
- Feed hopper and filler inlet
- Magnet system to remove Fe contaminants
- Filter and regulator valve
- Air pressure monitor
- UL/CSA certification
- Removable control unit

### Typical Application Areas:

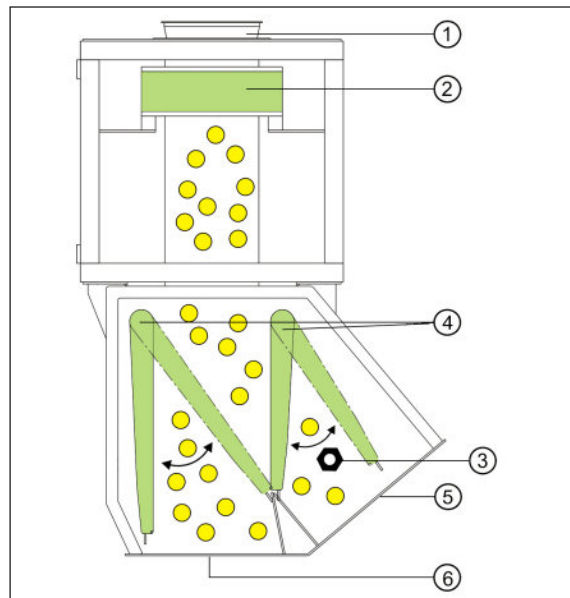
- Plastics industry, In-house recycling
- Recycling industry
- Wood industry
- Chemical industry
- Feedingstuff industry

### Product Description:

The metal separator RAPID DUAL is used to inspect slowly moving bulk material such as foil flakes, wooden pellets, etc. as well as large streams in free-fall pipelines.

It detects all magnetic and non-magnetic metal contamination (steel, stainless steel, aluminium) – even when enclosed in the product. Metal contaminations are rejected through the “Quick Flap” reject unit with dual separation flap.

### Function Chart:



- 1) Infeed                      2) Detection coil                      3) Metal contaminant  
 4) Dual separation flap                      5) Rejected material  
 6) "Good" material

### Application:

- Machinery protection for extruders, fine grinding mills, hackers, pellet presses, after dosing (rotary valve, vibratory feed chutes)
- Quality control e. g. for pre-delivery inspection of incoming goods, granulate, reclaim stations or bagging stations