



**MAGNETS
AND
METAL DETECTORS**

THE ROLE OF EACH

Both have limitations but BOTH are necessary and compliment each other

State of Art

MAGNETS

Role: Extract contaminants

Ferrous HIGHLY MAGNETIC

Large, medium, small, fine, dust
(close to 100% possible)

Weakly Magnetics & Work Hardened Stain-
less Steel

+6mm (very little)

-6mm (some)

-3mm (most)

Magnetic Stone

-3mm (most)

INSTALLATION

Intakes, Processing & Packing

*Always before inline or tunnel type Metal
Detectors*

State of Art

METAL DETECTORS

Role: Indicate / reject product containing
contaminants

Ferrous Materials

+2mm (most)

-2mm (very little)

Non Ferrous Metals and Stainless Steel

+3mm (most)

-3mm (very little)

Stone

(Very little)

INSTALLATION

*Always after scalping magnets and
preferably after packing*

GOOD MAGNETS UPSTREAM:

- Relieve the load on Metal Detectors
- Reduce product wastage & nuisance trips
- Permit finer tuning of Metal Detectors