Sorting process description – block chart

Incoming plastic waste bales → Visual inspection → Bale opener/dewiring → Shredder/Bag opener → Iron separator → Fe metals

Iron separator → Drum screen → Ballistic sorter

Ballistic sorter → 2D plastics i.e. films:
- NIR 2D: LDPE → LDPE
- NIR 2D: MIX PO → MIX PO films
- NIR 2D: PVC → PVC
- Eddy current device → Non-Fe metals (Al)
- RDF (rejects)

Ballistic sorter → 3D plastics i.e bottles etc.:
- NIR 3D: HDPE → HDPE
- NIR 3D: PP → PP
- NIR 3D: PET → PET
- NIR 3D: PS → PS
- NIR 3D: MIX PO → MIX PO
- NIR 3D: PVC → PVC
- Eddy current device → Non-Fe metals (Al)
- RDF (rejects)

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