



HIGH INTENSITY SEPARATION CONVEYOR™

Separating small para-magnetic chips and work hardened stainless steel from shredded and granulated materials



Bunting® Magnetics Co. offers the strongest HISC™ High Intensity Separation Conveyor™ for the separation of work hardened stainless steels and the purification of Zurik fraction and fluff applications. Maximum ferrous and work-hardened stainless steel – materials once thought impossible to separate – are easily removed thanks to extremely high gauss fields, neodymium rare earth magnets and innovative design technology.

Features

- 2 Standard HISC™ Pulley diameters in 4" and 6" diameters with extremely high gauss fields for separation of paramagnetic and work-hardened stainless steel.
- Stainless Frame discharge ends for extremely strong magnetic fields.
- Heavy duty formed 4.75mm frames with forklift lifting slots through the frame.
- Heavy duty formed 4.75mm sideguards over the flexwall belt to seal off and contain the flow.
- Standard tough urethane to match the application for maximum effectiveness.
- Optional lengths for the addition of Overhead Magnetic Crossbelts towards in feed.
- Optional Variable Frequency Drive to optimize separation for belt speeds between 60 and 200 fpm.
- Optional Vibratory Feeders to spread material to single layer for max separation effectiveness.
- Optional support stands and/or machine bases to tie into your system.



Holding – Attracting – Extracting Stainless Steel Metals

Bunting Engineers, using world-class Magnetic Finite Element design technology, and extremely strong Neodymium Rare Earth magnetic circuitry have made the HISC™ High Intensity Separation Conveyor™ the best choice for recyclers. Optimised gauss levels on the surface of the pulley and the belt hold, attract and extract your stainless steel alloys. These forces can vary depending on the alloy or the degree of work-hardening done.

Since material alloy, size, shape and gauge can all affect the attractive force, we can test and video your material fraction to make recommendations.



Typical Applications

- Auto ASR Stainless Steel Separation
- Zurik Stainless Steel Purification
- Plastic Flake Purification
- Medical Waste Separation
- Electronic Recycling

Note: Generally 2" minus fractions work great on 4" diameter HISC™ Pulleys while larger 4" minus fractions need the 6" diameter HISC™ Pulleys.

HISC Model Number Selection Guide

Model	HISC60-180	HISC100-180	HISC120-240
Magnetic Pulley diameter (mm)	100	100	100
Conveyor Width (mm)	600	1000	1200
Unit length (mm)	1800	1800	2400
Belt speeds (m/min)	15-60	15-60	15-60
Capacity (kg) Product	420-960	700-1600	850-1900

