

SSSC™ Stainless Steel Separation Conveyor™

Discover the latest invention in stainless steel separation from Bunting® Magnetics Co. Now, you can separate irregular shaped paramagnetic work-hardened stainless steel – up to 5” in size – from your recycled materials or in copper wire application. Thanks to a patent-pending core design and a revolutionary configuration of high-intensity neodymium rare earth magnets, maximum separation of big pieces of work-hardened stainless steel – materials once thought impossible to separate – are now easily attracted and extracted for the purest product possible.

Applications

- **ASR Stainless Steel Separation / Zurik Purification**
Magnetically pulls out stainless steel from the Finder stream or dirty zurik stream.
- **Appliance Recycling Stainless Separation**
Magnetically removes stainless steel to improve profitability
- **ICW Wire Separation / Wire Chopping Purification**
Magnetically pulls out stainless steel from small or medium fraction streams

Specifications

HISC™ High Intensity Separation Conveyor™

Model Number Selection Guide

Pulley Diameter	Belt Width	Conv Length	Model Number
4"	12"	36"	HISC 4-12-36
4"	18"	36"	HISC 4-18-36
4"	24"	72"	HISC 4-24-72
4"	36"	72"	HISC 4-36-72
4"	48"	96"	HISC 4-48-72
6"	18"	36"	HISC 6-16-36
6"	24"	72"	HISC 6-24-72
6"	36"	72"	HISC 6-36-72
6"	48"	96"	HISC 6-48-96
6"	60"	120"	HISC 6-60-120

SSSC™ Stainless Steel Separation Conveyor™

Model Number Selection Guide

Pulley Diameter	Belt Width	Conv Length	Model Number
8"	24	48	SSSC 6-24-48
8"	36	72	SSSC 6-36-72
8"	48	96	SSSC 6-48-96
8"	60	120	SSSC 6-60-120
8"	72	120	SSSC 6-72-120

General Capacities are between 500 to 1,000#/hr per foot width of conveyor.



Designed & Manufactured In The USA

500 S. SPENCER ROAD / P.O. BOX 468 / NEWTON, KANSAS 67114-0468

BUNTING *Magnetics Co.*



The Leader In ASR Stainless Steel Separation & Zurik Purification



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800•835•2526

buntingmagnetics.com

Big Problems.

Tired Of Fighting Stainless Steel?

Small Fraction (<1"), Purifying smaller fraction of stainless steel for higher purity for domestic sales



Mid Fraction (<2") Magnetically separating out stainless steel from dirty Zurik or Finder streams



Large Fraction (<5") Magnetically pulling out larger stainless steel from dirty Zurik streams



ICW Wire Magnetically pulling stainless out of dirty streams to remove wire before chopping line

Big Solutions.

2 Machines to Hold, Attract and Extract Stainless Steel Metals

HISC™ High Intensity Separation Conveyor™

Magnetic Separation of Stainless Steel 2"-4"

The first of its kind in the industry, the HISC™ High Intensity Separation Conveyor™ incorporates extremely high gauss fields, neodymium rare earth magnets and a field-tested design to achieve maximum stainless steel separation. Through Bunting® Magnetics engineering design and Magnetic Finite Element Design software technology, you can attract, hold and extract paramagnetic work-hardened 300 stainless steel metal and chips from your product stream. Recycled chopped wire, plastic flake, e-scrap and more can now be stainless-free with the HISC™ High Intensity Separation Conveyor™.

Pulley Diameter	4" and 6"
Pulley Construction	Neodymium Exposed Pole Lamination
Belt	2-ply urethane with 30mm flexwall and ½" v-guide cleats on 12" centers
Belt Speeds	60-120 fpm variable speed with VFD depending on application
Sideguards	Formed 3/16" to seal off and contain flow
Frames	Formed 3/16" with stainless steel frame at disc and forklift slots
Motor	¾ to 1 ½ hp 3ph 60 hz
Capacity	500-1,000 lbs per foot/per hour



Scan QR Code to Watch Video of HISC™ in Action

Quote:

"With the HISC, we are able to successfully separate 300 pounds of stainless steel from our scrap per day with an estimated ROI in less than a year! Bunting has built something no one else in the industry has."

Pat Toomey / Pacific Steel & Recycling / Great Falls, MT

Introducing.

The SSSC™ Stainless Steel Separation Conveyor™

Magnetic Separation of Stainless Steel Up to 5"

Discover the latest invention in stainless steel separation from Bunting® Magnetics Co. Now, you can separate irregular shaped paramagnetic work-hardened stainless steel – up to 5" in size – from your recycled materials or in copper wire application. Thanks to a patent-pending core design and a revolutionary configuration of high-intensity neodymium rare earth magnets, maximum separation of big pieces of work-hardened stainless steel – materials once thought impossible to separate – are now easily attracted and extracted for the purest product possible.

Pulley Diameter	8"
Pulley Construction	Patented Neodymium Cross-Grid Pattern encased in stainless steel
Belt	2-ply urethane with 30mm flexwall and ½" v-guide cleats on 12" centers
Belt Speeds	60-120 fpm variable speed with VFD depending on application
Sideguards	Formed 3/16" to seal off and contain flow
Frames	Formed 3/16" with stainless steel frame at disc and forklift slots
Motor	¾ to 2 hp 3ph 60 hz
Capacity	1,000 lbs per hour



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