



Aggregate, Mining, and Minerals



About BUNTING

Bunting is an industry leader in the design, manufacture, and sales of cutting-edge magnetic equipment used in applications such as magnetic separation, metal detection, conveyor systems, custom manufactured magnets, and more. All of the products we sell are custom-designed by our engineering team. We work with customers to determine their exact needs and develop a product that will perfectly suit the challenges of the industry they are working in and the materials they are handling, as well as being designed to fit within the existing layout of the customer's facility.

Since 1959, Bunting has been a family-owned, family-operated company. Headquartered in Newton, KS, Bunting currently has multiple manufacturing facilities within the United States as well as abroad in the United Kingdom. We are committed to upholding the values of innovation, dedication, and hard work that Bunting was founded upon sixty years ago.

As technology continues to advance across every industry, Bunting remains committed to integrating new technology into our products, creating solutions that address modern industry challenges, and continuing to expand our domestic and international reach.

Bunting-Newton primarily focuses on magnetic equipment for magnetic separation and metal detection applications. Newton, Kansas has served as the company's headquarters since 1979. Here, we design and manufacture magnetic separation, metal detection and material handling equipment as well as a complete line of printing cylinders. With a team of engineers using world-class, computer-aided

design equipment, we can customize and develop products to fit any application or production line.

Bunting-DuBois has a unique role as it is the only North American manufacturer of compression bonded, injection molded, and hybrid magnets used in custom designed permanent magnet assemblies. These assemblies are used in the military, aerospace, automotive, and other industrial commercial industries.

Bunting-Elk Grove Village is home to the company's Magnet Materials division. Bunting-Elk Grove Village provides the largest online selection of permanent magnets and magnetic equipment, with all in-stock items able to be shipped within 24 hours of an order being placed on its website, BuyMagnets.com.

Bunting-Berkhamsted provides total magnetic solutions—from individual magnets and magnetic sub-assemblies to magnetic separation, material handling, and metal detection equipment to various industries throughout Europe and the UK. Bunting-Berkhamsted also manages e-magnetsuk.com, where customers may purchase a wide variety of commonly used magnets.

Bunting-Redditch provides a complete line of magnetic separation, recycling, and metal detection equipment to industries across the globe through a worldwide network of distributors.



Bunting®

Magnetic Technology for All Industries

The unique benefits of magnetic technology can be utilized across a wide range of applications, and Bunting is always looking to the future regarding new challenges that present themselves in the many industries we work with. Bunting engineers are constantly working to develop new technologies and improve upon our existing product lines. Bunting custom designs, manufactures, and distributes a broad selection of magnetic separation and metal detectors for the following general sectors:



FOOD AND PHARMACEUTICALS

PLASTICS

RECYCLING

AUTO SHREDDING

AGGREGATE, MINING MINERALS

TEXTILES

METAL STAMPING & FABRICATING

PRINTING, DECORATING AND CONVERTING

CERAMICS

CUSTOM MAGNETS AND MAGNETIC ASSEMBLIES

STOCK MAGNETS & MAGNETIC TOOLS

Across all the industries Bunting works with, our commitment to providing quality products and customer service remains consistent. Bunting enthusiastically offers custom designed applications for customers bringing unique challenges to the table, and we take pride in working individually with each customer in order to provide the best product possible.

Contents

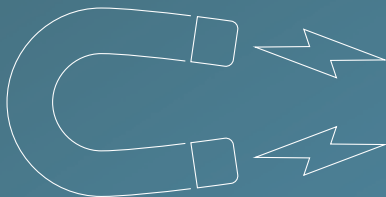
Magnet Materials.....	6-7
Aggregate, Mining and Minerals	8
Permanent Overband/Crossbelt Magnet	9
Electromax Air Cooled Overband/Crossbelt Magnet	10
Heavy Duty Oil Cooled Overband/Crossbelt Magnet	11
Model Guide Options	12
Suspension Magnets	13
Metal Detection (TN77and meTRON™ 05 D)	14
Magnetic Separation Pulleys	15
Standard Drum Magnet.....	16
HISC™ High Intensity Separation Conveyor	17
Eddy Current Separator	18
Disc Separator	19
Induced Roll Separator.....	19

Permanent Magnets:

Permanent magnets are essential to virtually every type of modern technology and convenience. Being able to provide the optimum magnetic solution to the customer requires in-depth knowledge of the full supply chain. Bunting's team of magnet experts and engineers is fully equipped with this knowledge. Bunting entered the magnetism industry in 1959 as a magnet distributor and rapidly grew to a manufacturer of magnetic products, focused on custom design and customer-focused engineering. Today, Bunting is a leader in manufacturing and designing a diverse range of innovative magnetic technologies across industry sectors. Listed below are the general permanent magnet types that are used in Bunting products.

Neodymium Iron Boron Magnets

Neodymium magnets are a type of rare earth magnet and are the most common rare earth permanent magnets in the world. They are composed of Neodymium (Nd), Iron (Fe) and Boron (B), and exhibit the highest maximum energy product of any permanent magnet material. However, these magnets are vulnerable to corrosion if they are exposed to the elements. To protect the magnet from corrosion, the magnet is usually coated with nickel. Other coating options are aluminum, zinc, tin, copper, epoxy, silver and gold.



Plastic Bonded Neodymium Magnets

These magnets are cost effective while offering high performance and tolerances in addition to low electrical conductivity. It is possible to multipole magnetize them as a complete ring, and they can be designed to achieve specific flux density profiles. These are especially well suited for applications such as minimizing cogging torque in motors. These injection molded magnets are an excellent choice for higher volume applications. Compression bonded magnets can also be easily machined, making them suitable for low volume production in manufacturing magnets with multipole magnetization, skew angled poles, and various other directions of magnetizations. Magnetizing patterns are only limited by whether or not a magnetizing coil fixture can be produced to give the required magnetizing pattern.

- Bonded NdFeB magnets can be compression or injection molded to final shape. These high tolerances can be achieved without the need for further machining.
- Injection molded magnets are available in both neodymium and ferrite varieties.
- Injection molded ferrite magnets offer high durability and resistance to shock, as well as a low cost and extreme resistance to corrosion and conditions such as low density.
- Available in high tolerance and complex shapes.
- No coating required, although black epoxy and Parylene coatings are available.

Samarium Cobalt Magnets

Samarium cobalt magnets are rare earth magnets that offer high maximum energy products and can operate in high temperature environments. They are extremely strong and typically allow for smaller size magnet profiles. Though not as strong as neodymium magnets, samarium cobalt magnets present three significant advantages. They work over a wider temperature range, have superior temperature coefficients, and also have a greater resistance to corrosion. Special coatings are available for specific marine and automotive applications.

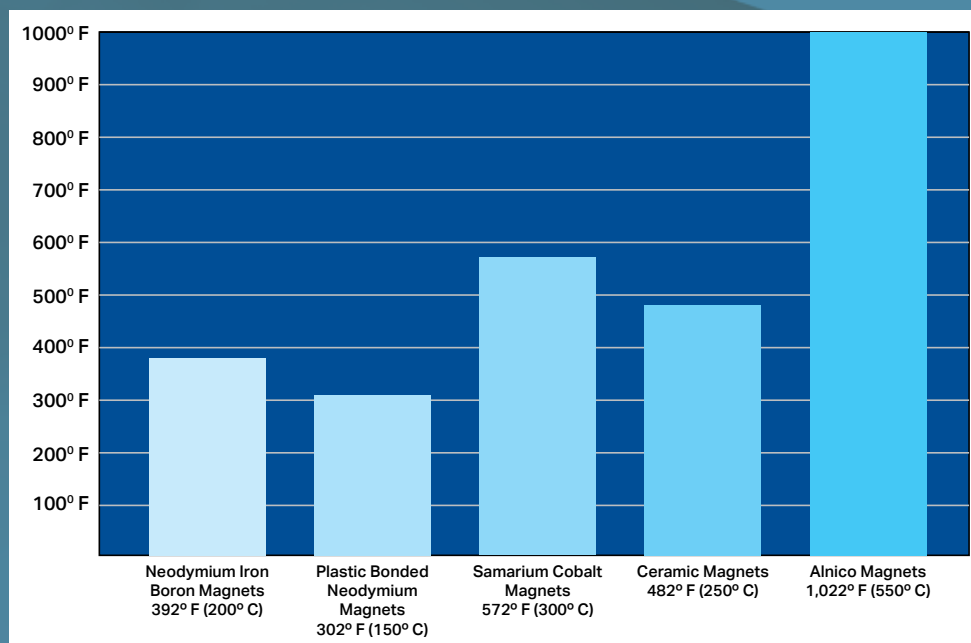
Samarium cobalt magnets are one of the most useful magnets for high temperature applications. They retain most of their energy up to 575° F, making them ideal replacements for Alnico magnets when high temperature use or miniaturization is required. Samarium cobalt magnets are known for their excellent temperature stability—maximum use temperatures are between 250 and 550°F; Curie temperatures range from 700 to 800°F.

Ceramic

Ceramic magnets, or ferrite magnets, are low cost, lightweight, moderate energy permanent magnets capable of withstanding operating temperatures of up to 480°F. They are highly corrosion resistant and work well in high volume applications. Ceramic magnets can be made in many shapes and sizes, can be ground to intricate and accurate shapes, and can even be designed to be small enough to be used in micro applications.

Alnico Magnets

Alnico magnets are alloys comprised of aluminum, nickel, iron, and cobalt. They have the highest operating temperature and temperature stability of any permanent magnetic material. They retain approximately 85% of room-temperature magnetization at temperatures of up to 1,000°F. They possess high residual induction as well as relatively high energies. Alnico magnets naturally possess an excellent corrosion resistance.



AGGREGATE, MINING, AND MINERALS

Bunting is committed to helping customers across many industries “break ground” as our equipment assists them in solving challenging problems. We “dig down” to find the root cause of their problems and use specialty software to custom-design the best solutions to fit the customer’s needs. We offer exceptionally rugged magnets and heavy-duty magnetic separation equipment specifically to cater to customers in the aggregate, mining, and mineral industries. Working with these materials is tough, but Bunting equipment is even tougher. Our magnetic equipment will protect the other equipment utilized in your facility and allow you to deliver the highest purity product to your customers.

Bunting provides equipment to help aggregate, mining, and mineral companies by using magnetic separation technology to remove metal contaminants from product streams and providing metal detection equipment to alert operators of ferrous and non-ferrous metal hazards trapped within greater product mass. All of our equipment is designed to be low-maintenance and operator friendly to increase efficiency and decrease downtime in your production. Bunting protects your products from damage and increases the overall efficiency of your operations.

All of our products are custom designed according to the customer’s specifications, allowing for them to integrate seamlessly into the existing production environment. Our team of engineers works with each customer to deliver a personalized piece of equipment with the physical dimensions to best fit your space and the magnetic components that best suit your separation and detection needs.

Our ruggedly built magnets and magnetic separation equipment is designed specifically for the aggregate, mining, minerals, and quarrying industries to protect your belts, crushers, and other expensive equipment from tramp metal. This allows you to experience more productivity, more reliability, and more savings.

SELF-CLEANING OVERBAND/CROSSBELT MAGNETIC SEPARATORS FOR HEAVY-DUTY APPLICATIONS

Our self-cleaning overband/crossbelt magnetic separators have earned a reputation as being the most effective units for the continuous removal of ferrous tramp contaminants from a product stream. Most commonly used on mobile crushing and screening machinery, our self-cleaning overband/crossbelt magnetic separators are available in permanent magnet, oil-cooled electromagnetic and air-cooled electromagnetic configurations. These separators are popular in the mining, quarrying, and concrete recycling industries, as they are highly effective at protecting, cleaning, and separating materials. Their heavy-duty construction and powerful magnetic force allows them to handle even the toughest, most challenging applications.

Available in-stock options include standard and deep-reach models. Rare earth, compact, quick belt change, and inline models can be built to order according to customer specifications. We offer extensive customization options while maintaining low lead times.

PCB Permanent Crossbelt Separators

General Benefits of PCB Permanent Crossbelt Separators:

- Overall low operating costs.
- Designed to be low maintenance and operator friendly, with advanced safety features to protect operators and equipment in your facility.
- System is designed to be durable and capable of operating in challenging environments. The powerful magnet block is mounted in a heavy-duty steel frame and traversed with a heavy-duty, vulcanized, cleated belt that runs on two crowned pulleys.
- Electric or hydraulic motor options are available depending on your application needs.
- Self-cleaning system minimizes downtime and improves operational efficiency.
- Standard designs operate over 18" to 78" conveyor belts and are designed for operating heights up to 16" above the conveyor.
- Can be positioned either in-line over a conveyor head pulley or suspended across a conveyor belt. These versatile mounting options allow equipment to easily integrate into various configurations of existing equipment in a facility.
- When a deep reach or a stronger field is required, Bunting offers an optional Tri-Polar design. This unique design uses two massive side poles to concentrate and intensify the magnetic field to the center of the magnetic block.
- Many sizes available for quick shipping.



ElectroMax Compact Air Cooled Overband/Crossbelt Magnetic Separator

The Bunting ElectroMax Compact Air Cooled Crossbelt Magnetic Separator is 185% stronger and 25% lighter than equivalent permanent crossbelt/overband magnetic separators. The ElectroMax provides customers with a lighter and more compact system without any compromise in separation power or performance.

The ElectroMax Compact Air Cooled Separator is ideally suited for applications where there are weight and size suspension limitations. It provides additional magnetic power for more difficult tramp metal separation applications, achieving a boosted separation force while still remaining compact and light. The electromagnetic coil produces a high gradient magnetic field that is up to 185% more powerful than comparable equipment. This enables the removal and separation of smaller and more challenging shapes of iron contaminants often missed by other magnetic separation systems. The additional magnetic strength also aids the lifting and removal of heavier tramp ferrous metals.

General Benefits of ElectroMax Compact Air Cooled Separators:

- Half the weight of an oil cooled magnet.
- Lower profile (18.25"), than an oil cooled magnet.
- Substantially less maintenance than an oil cooled magnet.
- Air cooled transformer rectifier included.
- Armor cladded belt optional.
- Durable construction ensures longevity of equipment and keeps maintenance to a minimum.
- Dual-pulley system drives self-cleaning belt, reducing overall weight and size of equipment.
- Air cooling system eliminates need for any oil or conservator tanks.
- Switching off power to the ElectroMax deactivates its magnetic field, allowing for easier, more convenient maintenance in between operations.
- Four standard models are designed for suspension height of 350-550mm over conveyors with widths of 1, 1.2, 1.4 and 1.5 meters.
- Average comparisons between the new range of ElectroMax equipment and the permanent overband equivalents show a 185% increase in magnetic power.
- Most common belt width sizes in stock are 36", 42", and 48". Other sizes are custom built.



OCW Heavy Duty Oil Cooled Overband/Crossbelt Magnetic Separator

A powerful overband/crossbelt magnetic separator for deep and heavy ferrous extraction.

The OCW Heavy Duty Oil Cooled Overband/Crossbelt Separator is the most powerful in the Bunting line, and available in sizes to fit any aggregate or mining operation. Due to its high magnetic strength, the OCW Heavy Duty Oil Cooled Overband/Crossbelt Separator is able to work at an increased operating gap, enabling it to extract ferrous from the deepest troughed conveyors. OCW Heavy Duty Oil Cooled Overband/Crossbelt Separators are commonly positioned either inline over the head pulley, and can also be installed across conveyor belts ranging from 24" to 84" wide. For even larger belt widths, our engineers can custom design and add additional support structures as required.

To give the OCW Heavy Duty Oil Cooled Overband/Crossbelt Separator a longer belt life (especially when handling abrasive materials) an optional armored belt is available. In addition, heat-resistant belting is available to allow the OCW Heavy Duty Oil Cooled Overband/Crossbelt Separator to operate at higher ambient temperatures.



Model Guide and Options

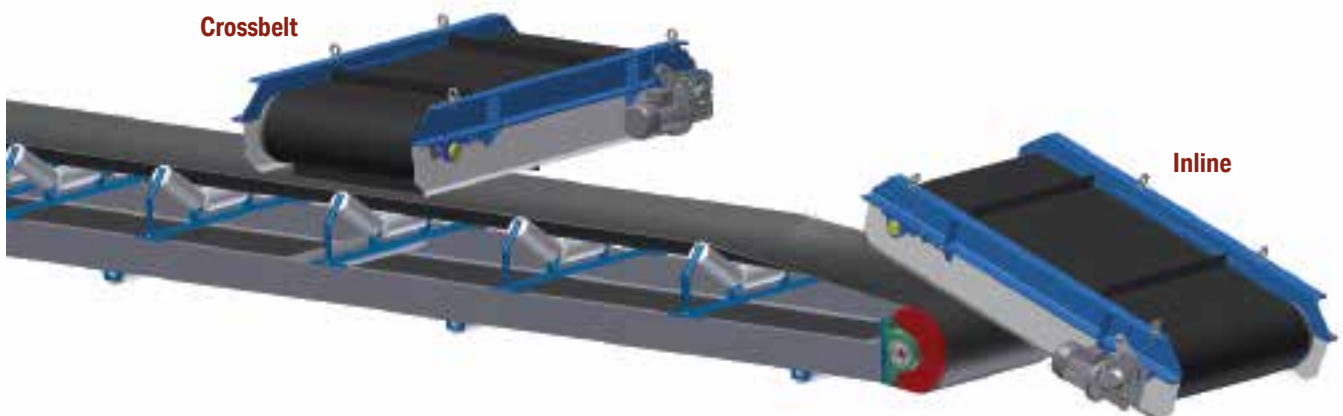
All our overbands have a vast range of options to suit your application and requirements.

Please call our experienced applications engineers to help specify the correct magnet and options for your individual application.

MODEL	PCB	PCB-C	EMAX	OCW	ACW
Permanent magnet	•	•			
Electro-magnet			•	•	•
Maximum operating gap	16"	12"	24"	40"	40"
Maximum customer belt width	78"	60"	72"	120"	120"
Light weight		•	•		
Electric drive of belt	•	•	•	•	•
Electromagnet cooling medium			Air	Oil	Air
OPTIONAL FEATURES					
Hydraulic drive of belt	•	•			
ATEX 22	•			•	
Heat resistant, Antistatic belt	•	•	•	•	•
Armoured belt	•		•	•	•
Stainless steel frame	•	•	•	•	•
Custom design mounting brackets	•		•	•	•
Full sheet guarding	•		•	•	•
Belt tracking limit switches	•	•	•	•	•
Rotation sensor	•	•	•	•	•
Permanent magnetic extension	•			•	•
Single pole magnetic system	•	•			
Twin pole magnetic system	•				
Tri-polar magnetic system	•	•			
Special paint coatings	•	•	•	•	•

Installation Options

While the most common mounting position for a crossbelt magnet is across the belt, inline models are also available which maximize magnet efficiency due to the material already being airborne.



Suspension Magnets

Suspension magnets are designed to extract occasional tramp iron from material being processed by means of a vibratory feeder, gravity chute, or conveyor belt. They are exceptionally efficient in removing tramp iron from coal, stone, fertilizers, recycled asphalt, slag, gypsum, ores and similar materials. Removing tramp metal contamination helps protect the other equipment in your facility from being damaged and maintains higher purity in the materials you are processing through your operation.

Bunting offers suspension magnets in permanent, air-cooled electromagnetic, and oil-cooled electromagnetic models. Contact us for our in-stock options and availability.

Benefits of the Permanent Suspension Magnet Design

- Constructed using non-deteriorating, high power ceramic components.
- Optional Rare Earth models available.
- Intensely durable construction resisting moisture, corrosion, and heat.
- Inexpensive to operate with no cables or wires required.
- Ferrous material is extracted and held in place until manually cleaned off.
 - Optional rubber wiper assists in removing the collected ferrous.
 - Optional stainless steel slider plate simplifies clearing of ferrous.
- Optional Tri-Polar design increases field strength and reach.
- Suspension magnets come standard with suspension chains and hardware .
- Can be suspended horizontally or on an incline.
- Available sizes cover a full range of conveyor widths.

Permanent Magnet



Permanent Magnet with Optional Stripper Plate

Oil Cooled

Benefits of the Air-Cooled ElectroMax Suspension Magnet

- Lighter than oil-cooled electro suspension magnet design.
- Less maintenance than oil-cooled electro magnets.
- Durable construction ensures longevity of equipment.
- Ferrous material is extracted and held in place until power is turned off.
- On/Off switching simplifies removal of collected ferrous.
- Comes standard with suspension chains and hardware.
- Works on burden depths up to 25" depending on material being separated.



Air-Cooled ElectroMax

Benefits of the Oil Cooled Suspension Magnet Design

- Strongest option available.
- Maintains optimum working temperature.
- Maximum protection for your processing equipment.
- Holds extracted ferrous material in place until power is turned off.
- On/Off switching simplifies removal of collected ferrous.
- Comes standard with suspension chains and hardware.
- Works on burden depths up to 30" depending on the material being separated.

Metal Detection: Custom Designed for Aggregate, and Mining Applications

The electronic TN77 metal detector is a tunnel-type unit that is generally installed onto conveyor systems. The TN77 enables a continuous inspection to be made of any non-metallic or non-conductive materials. The unit is used for the detection of tramp iron and manganese steels where their presence would prove damaging to processing equipment or a clients' end product.



Product Features:

- Reliable protection against machinery damage
- Detection of ferrous tramp iron and manganese steel up to 12% - 13% purity, including non-magnetic digger teeth
- Easy installation into a customers' existing conveyor system.
- Simplicity of operation with fully adjustable sensitivity/detection levels.
- Capable of indicating if one or two pieces of tramp iron are simultaneously detected.
- Capable of overlooking non-magnetic, copper-alloy belt fasteners

meTRON™ 05 D CONVEYOR BELT METAL DETECTOR

The Bunting meTRON™ 05 D is a two-piece, tunnel-style metal detector that can be separated in order to install around belt conveyors. It offers triple-coil sensitivity and accuracy, is easy to install, and provides stable performance. This two-piece, tunnel-style detector is perfect for belt conveyors and vibratory chutes.

- Automatic product tracing and temperature compensation.
- Easy installation and user-friendly operation.
- Triple-coil sensitivity and superior accuracy in detection.
- Overall waterproof construction, in addition to an epoxy-filled search head allows for maximum protection of internal components.
- Serial interface (RS-232) with multi-level password protection and a built-in digital event counter.



- Combination assemblies with detector and conveyor can be custom-built to suit your application utilizing a variety of rejection devices, including pusher, flap, or cut-out styles.
- Ideal for aggressive hard stone applications where high grade manganese (13% - 18%) is used.

Magnetic Separation Pulleys

Magnetic separation pulleys offer superior continuous removal and discharging of ferrous contamination, such as nails, staples, bolts and wire from conveyors, all with maintenance-free operation. Bunting offers magnetic separation pulleys in ceramic, high intensity rare earth, and electromagnetic options.

Magnetic separation pulleys can be used to transform your standard material handling conveyor into a material separation conveyor. Being able to combine the transport of your materials and the separation of contaminants into one simple step increases the efficiency of your operation

- Manufactured for maximum reach-out, holding force and separation effectiveness.
- Available in a wide range of diameters and widths to suit a wide variety of applications and installation requirements.
- Two permanent magnet options available: economical ceramic and powerful high-intensity neodymium rare earth.
- Electromagnetic pulley option is available for particularly demanding applications.
- Magnetic pulley systems offer maintenance-free operation.

Ceramic Magnetic Separation Pulleys

Ceramic magnetic separation pulleys produce deep magnetic fields with superior reachout. They are ideal for the recovery of large ferrous tramp metal. Ceramic magnetic separation pulleys provide high performance while maintaining a low price point, making them a highly economical choice.



High Intensity Neodymium Rare Earth Magnetic Separation Pulleys

Built with high-intensity neodymium rare earth magnets, these pulleys are designed for the toughest jobs that require maximum separation. High-intensity separation pulleys are ideal for separating materials that are difficult to magnetically attract and separate from a material flow using standard methods, such as paramagnetic fine particles, stainless steel scrap, and work-hardened fasteners.

These magnetic separation pulleys have a magnetic field that is more shallow but significantly more intense in comparison to ceramic magnetic separation pulleys. This enables superior capture of small ferrous metal particles.

Electromagnetic Separation Pulleys



Ideal for the separation of larger or heavier ferrous metals. The extremely heavy-duty design suits difficult and arduous environments such as found in mining and recycling operations. The internal electromagnetic coils are mounted on thick shafts and revolve with the pulley to ensure that the conveyed product is exposed to the strong magnetic field at all times when energized.

A transformer rectifier set is supplied with the electromagnetic head pulley. For applications where there is a need for selective separation, an optional transformer rectifier set is available with a variable DC voltage (from zero to full voltage)

Standard Drum Magnet

Designed for separation of ferrous from high volume loads. Drum magnets provide an efficient method for removing ferrous material from heavy-flow applications. They are self-cleaning and install easily.

- All drum magnets are available in electromagnetic or permanent designs, as well as including the option to be made with a high intensity rare earth magnetic system (ideal for separation of exceptionally small contaminant particles).
- Allow continuous separation and cleaning without interruption to the product flow.
- Ideal for high-flow, heavy-contamination applications.
- Optional manganese wear plates for abrasive materials.
- Multiple drums can be used sequentially for heavily contaminated product.
- Direct drive with an optional variable speed control based on your application needs.
- Open style design (free of housing) is ideal for installing at the end of conveying machines, such as chutes, for removal of ferrous contaminants.
- Totally enclosed design (equipped with housing) is ideal for applications where product must be kept free from external contamination, as well as protecting your employees from inhaling any dust being given off from the product.



Applications:

- Mineral Processing
- Feldspar
- Silica Sand
- Garnet
- Abrasive and refractory minerals including Corundum
- Beach Sands
- Fine iron ores

HISC™ High Intensity Separation Conveyor

The HISC™ is ideal for handling dry material, whether fine or coarse, and purifying it of ferromagnetic and paramagnetic particles. Within the production line, a vibratory feeder loads material to be treated onto a short centered thin conveyor belt, allowing for material to be fed evenly onto the magnetic roll. Any magnetic elements present in the greater non-magnetic material are securely held onto the belt by its powerful magnetic force, a result of the neodymium high intensity magnets this equipment incorporates. These non para-magnetic minerals are discharged down a rear chute once the belt exits the magnetic force area present on the underside of the roll. This system efficiently traps para-magnetic materials while allowing non-magnetic material to be discharged in front of the roll, following its normal trajectory in the production line.

- Composite high-intensity magnetic head pulley utilizes neodymium magnets, the most powerful permanent magnets available.
- Magnetic rolls are in 6" diameter and up to a width of 66 inches.
- Multiple configurations of rolls are offered, giving the para-magnetic fraction a further pass for improved product purity. Material from .003 to .590 inches can be treated.
- Varying separation trajectories can be set by adjusting the conveyor speed using the inverter control setting on the control panel and adjusting the splitter chutes.
- Can be used in a variety of applications, including iron ores, silicones, ilmenite, mica, refractory material, high purity quartz, and granite.



Optional configuration

Eddy Current Separation Conveyor

These units can be designed into a complete custom system for maximum product purity. The system could include: Transfer Conveyor into and out of the system; HISC[®] High Intensity Separation Conveyor[®] or SSSC[®] Stainless Steel Separation Conveyor[™] for stainless steel separation; Magnetic CrossBelt[™] Separation Conveyor for larger ferrous tramp; and Vibratory Feeder Trays. Bunting engineers will provide full 3-D System CAD Models and 2-D drawings for system review analysis when orders are placed.

- Designed to provide the optimal eddy current fields to achieve the maximum separation of small non-ferrous metals from other materials.
- Low maintenance conveyor with extremely tough urethane belts to allow longer wear.
- Cantilever frame weldment design allows easy belt change within minutes.
- Double VFDs for optimizing relative belt speeds.
- Available in 24", 36", 48" and 60" widths with four rotor options available based on your application needs.
- Units can be designed into "custom systems" in combinations with equipment.



High Intensity ECS Units:

The High Intensity ECS units are specifically designed to handle the separation of small and difficult non-ferrous particles that require high repulsive forces for an accurate separation. This type of unit has a 11.8 inch diameter, 24 pole rotor and is available with operating widths of up to 78 inches.



Optional extras include:

- A high powered rare earth drum magnet to be utilized in applications with high ferrous content to remove small particles of ferrous materials, which may damage the rotor cover if caught underneath the belt.
- Rotary or static belt cleaning brushes for use in applications where the product may be wet or sticky.
- Mobile chassis.
- Power plant.

Application: Construction and Demolition Reclaim

Disc Separators

For Precious Metals

Disc separators are widely used to ensure accurate separation of materials that have varied magnetic susceptibilities. With their original design dating back to the early 1900s, they have a long history of usage in separation applications. Today, the disc separator has been updated to accommodate modern manufacturing demands and incorporate new innovations in technology

- Material is continuously transported beneath rotating discs where magnetic particles are attracted to the high gradient magnetic zones on the disc. Powerful magnets allow for strong attraction of contaminant particles and ensure they are held securely to the disc before being released at the discharge chute.
- Scrapers mounted on chutes ensure the total discharge of magnetic particles.



Induced Roll Separator

The induced roll magnetic separator provides mineral purification for a wide range of mineral and ceramic processing industries. It works to perform the continuous extraction of small magnetic particles from within material, resulting in an end product free of contamination.

- High intensity magnetic roll causes magnetic material to attach itself onto the roll face or be deflected towards the roll.
- Brush accessory assists in discharge of magnetic material, with a splitter plate interposed to separate material streams, ensuring no separated contaminants will find their way back into the product stream.





Pure success: What the Bunting name means to your aggregate, mining, and minerals industries business.

Bunting is proud to provide innovative, custom-designed solutions for the aggregate, mining, and minerals industries, as well as many other industries such as food and pharmaceuticals, plastics, and recycling. Our equipment is durable, dependable, and driven by the needs of our customers and the modern challenges they face. Bunting has been a family-owned, family-led company since 1959. Sixty years later, we have made massive strides in developing new technology to meet the unique needs of the 21st century, while remaining committed to delivering the highest quality products accompanied by excellent customer service.

We invite you to experience our customer service and products for yourself. Contact your Bunting representative today for more information or to obtain a specific quote.

Bunting - Newton

500 S. Spencer Road | P.O. Box 468

Newton, KS 67114 | USA

800.835.2526 | 316.284.2020

Fax: 316.283.4975

Email: Sales.Newton@BuntingMagnetics.com

www.BuntingMagnetics.com

Bunting - Redditch

Burnt Meadow Road, North Moons Moat,

Redditch, Worcestershire, B98 9PA | UK

+44 (0) 1527 -65858

Email: Sales.Redditch@BuntingMagnetics.com

www.MasterMagnets.com

GLOBAL. MAGNETIC. FORCE.™

Manufacturing & Distribution Locations:

Bunting - Newton

500 S. Spencer Road | P.O. BOX 468

Newton, KS 67114 | USA

Sales.Newton@BuntingMagnetics.com

800.835.2526 or 316.284.2020

Bunting - Elk Grove Village

1150 Howard Street

Elk Grove Village, IL 60007 | USA

Sales.ElkGroveVillage@BuntingMagnetics.com

800.232.4359 or 847.593.2060

Bunting - DuBois

12 Industrial Drive

DuBois, PA 15801 | USA

Sales.Dubois@BuntingMagnetics.com

1-800-437-8890 or 1-814-375-9145

Bunting - Berkhamsted

Northbridge Road,

Berkhamsted, Hertfordshire, HP4 1EH | UK

Sales.Berkhamsted@BuntingMagnetics.com

+44 (0)1442 875081

Bunting - Redditch

Burnt Meadow Road, North Moons Moat,

Redditch, Worcestershire, B98 9PA | UK

Sales.Redditch@BuntingMagnetics.com

+44 (0) 1527 -65858

Bunting - China

Nordic Industrial Park Co., Ltd.

A3 Building, 89 Jinchuann Road

Zhenhal, Ningbo 315221 | China

+86 (574) 86305971

BUNTINGMAGNETICS.COM