

Canline: Magnetic Scrap Conveyors



Magnetic Scrap Conveyors

These permanent-magnet-powered conveyors use a chain, located below a non-moving slider plate to convey ferrous particles. They are perfect for small turnings, cold-headed parts, stampings and small production components, along with scrap metal like punch-outs, trim stock and chips.

What does a scrap conveyor do for you?

Conline scrap conveyors were especially developed for the horizontal or steep conveying of continuously produced magnetisable shavings from cooling liquids as well as other ferrous waste from broaching, milling, drilling, turning or transfer machines.

A scrap conveyor saves money

Breakdowns caused by blockages or clogging are avoided. In addition, magnetic slide conveyors can be used for transporting magnetisable parts such as stampings, stamping scrap, moulded parts, metal scrap etc. to and from machine tools, fixtures, hardening furnaces, quenching, pickling, washing baths etc. and central equipment for the disposal of scrap and stamping scrap.

Operations

Materials to be transported are fed onto the conveyor at the take-up point or through the slide conveyor's feed hopper. Inside the scrap conveyor the magnet assemblies move below the wear-free stainless steel slider bed. These high-performance, permanent magnets create a strong magnetic field which penetrates the anti-magnetic slide plate, picking up the ferrous particles on the plate and carrying them along. The continuously moving magnet assemblies ensure smooth movement. The fully enclosed construction of the slide conveyor is sealed so that it cannot be penetrated by liquids and will ensure trouble free operation even when used directly in the liquid, because media, such as oil, emulsion of water cannot penetrate.



Features

- No external moving Parts
- Totally enclosed in a stainless steel unit
- Submersible watertight construction
- Can be easily installed
- Suitable for the transport of wet and dry materials
- Virtually maintenance free
- Mobile modal available

Construction

Canline scrap conveyors feature an oil-filled chain guide which requires no lubrication, a watertight submersible frame, powerful magnets enclosed in stainless steel bed. The conveyors have no external moving parts (except drive) and are easily installed and are virtually maintenance free.

- A stable, encased supporting structure
- Low-maintenance roller chains
- High-performance magnetic systems
- An anti-magnetic stainless steel slide surface
- A reversing unit with automatic chain tensioning
- A drive unit with drive motor

Type scrap conveyor	Light duty	Heavy duty
Description		
	Transporting and separating of small ferromagnetic parts	Transporting and separating of long ferromagnetic parts
Dimensions (mm)		
Height	90 / 126	224
Useful width	300 - 400 - 500 - 600 - 700 - 800 - 1.000	300 - 400 - 500 - 600 - 700 - 800 - 1.000
Magnet system category	5" - 7,5" - 10" - 12,5" - 15" - 20"	12" - 15" - 18" - 24" 30"
Minimum length L1	300	800
Minimum length L	400	500
Minimum length L2	300	500
Product examples		
Ferrous parts	✓	✓
Cast	✓	✓
Stamping scrap	✓	✓
(Magnetisable) shavings	✓	✓
Ferromagnetic waste	✓	✓
Stamping scrap	✓	✓
Punch waste	✓	✓
Trimming waste	✓	✓
Punched and pressed parts	✗	✓



Moulded parts	x	√
Screws	x	√
Pressing remnants	x	√
Ball bearings	x	√
Nails	x	√
Cold-headed parts	x	√
Small production components	x	√
Chips	x	√

We firmly believe that product support is as important as product quality.

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