

Magnetic Conveyors

A low maintenance solution for moving wet or dry ferrous materials such as small chips, fines, small parts and stamping slugs.

Material is transferred with the aid of magnets located under a stainless-steel slider plate. Choice of rare earth or ceramic magnets based on application!



FEATURES

- Effective for ferrous broken/fine chips, small parts and stampings
- Submersible water-tight construction
- Totally enclosed, no moving external parts
- Special designs for difficult wet fines applications
- Self adjusting chain tensioning device
- Heavy duty stainless steel slider plates

BENEFITS

- Effective in heavy oil and grease applications
- Carry wet or dry material at steep angles
- No belts to replace
- Safe/maintenance friendly
- Minimal maintenance required

HOW IT WORKS

- Materials are dropped on the top of the conveyor housing (referred to as the "slide plate"), which is made of non-magnetic stainless steel.
- Permanent magnets on a chain conveyor system below the slide plate attract the iron materials and particles.
- Materials are then carried along the slide plate, up the incline and to the discharge.

SYSTEM OPTIONS

- 4 types of design configuration



- Rare earth magnets available to provide maximum strength for high volume applications
- Complete electricals/control options available including UVS-Ecologic® Controls with Jam Manager® for the ultimate in conveyor control



Ferrous chips being pulled up the incline section of the conveyor unit

MAGNETIC CONVEYOR APPLICATION CHART

Material Type*	Steel	Cast Iron
Chip Type		
Broken Chips (6's & 9's)	▼	▼
Fine Chips (Free Flow Granular)	▼	▼
Swarf Sludge	▼	▼
Flat Knockouts/Stampings	▼	▼
Bushy and Tight (Birds Nest)	▼	-

▼ Recommended Application ▼ Used in Some Applications ▼ Not Recommended

*Conveyors for parts, stampings, scrap and other materials, please contact a Jorgensen Proposal Engineers

Jorgensen custom fabrication includes conveyor configuration, leg length, incline angle, chain design and width, drive system components, optional safety equipment and coolant reservoirs for machine tool applications where cutting oil and coolant is involved.