

CHIP CONVEYOR



Chip Conveyors are machines used to handle metal chips produced during machining processes. The chips are collected in a chip conveyor and transported to desired locations where lip bins are placed. The oil is collected in the chip oil can.

SCREW TYPE CHIP CONVEYOR

Screw conveyors are used for the transfer of chips or powder. These are generally useful for controlled movement and disposal. Due to its compact and simple design, it can be fitted in spaces that are not easily accessible. Screw flytes are present on center shaft. The pitch and diameter of the screw flytes are designed as per process requirement. This screw is placed inside a housing. A geared drive rotates the screw. The duration and speed of rotation shall be designed based on the quantity of chip that need to be removed. A torque arm protects the geared drive in case of jamming.



Screw type chip conveyor

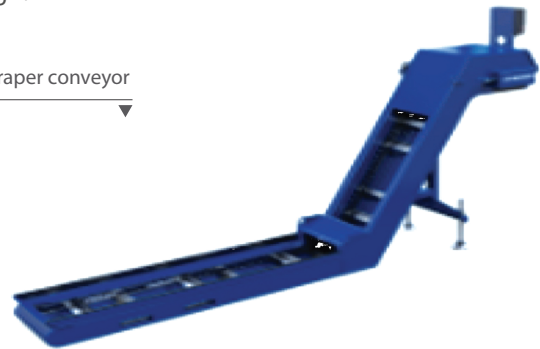
BENEFITS

- ♻️ Simple and compact design
- ♻️ Mechanical and electrical safety
- ♻️ Can be used for measured travel and disposal quantity

SCRAPER CONVEYOR

This type of conveyor is mainly used for handling small chips generated from machining operations. Scrapers are provided with chains to remove chips coming from the machine and the chips are collected in a chip trolley. The scraper conveyor is the simplest device to handle small chips in bulk. It can be designed in several forms: inserted in a machine tunnel or placed at the bottom of a dirty fluid holding tank. It can also be used in combination. Wipers are attached to a moving chain placed in the tank holding dirty cutting fluid. Sediment course dirt is moved along with the wipers in a bin placed at one end of trough.

Scraper conveyor



BENEFITS

- ♻️ Simplest device to handle coarse dirt in bulk.
- ♻️ No consumables.
- ♻️ Can be customized to suit your requirement.
- ♻️ Fully automated operation.
- ♻️ Automatic jamming sensor.
- ♻️ Can be inserted in machine beds.
- ♻️ Can be used as collection tank.
- ♻️ Can be used in combination with filtration and separation devices.



SLAT TYPE CHIP CONVEYORS

The slat chip conveyor works well for applications where long, curly chips generated from the machining operation. The device utilizes slats that are assembled on a chain-driven loop to remove chips coming from the machine. The chips are collected on the slat belt and transported to a chip trolley. The slat conveyor works great as a centralized chip handling system too.

Slat type chip conveyor



MAGNETIC CHIP CONVEYOR SYSTEM

Magnetic chip conveyors are used to evacuate metalworking chips of magnetic properties from metalworking zones. Permanently charged ceramic magnets are mounted inside the conveyor on conveying chains to attract and move ferrous chips along the conveyor's stainless steel faceplate. At the end of the incline, the chips will fall and will be collected in the chip bin.



Magnetic chip conveyor system

Type	Capacity/Range	Application
Scrapper Conveyor	Up to 200 lbs/ hr.	Turning, light chip loads, aluminum, brass, steel, cast iron machining.
Screw Type Chip Conveyor	Up to 10 tons per day. Special design available to suit customer requirement.	Milling, drilling, turning, tapping. For applications that generate small chips.
Slat Type Chip Conveyor	Up to 10 tons per day. Special design available to suit customer requirement.	Milling, drilling, turning, tapping. For applications that generate small chips.
Magnetic Chip Conveyor	Up to 100 lbs/ hr Max. Limitation for width of conveyor.	Small drilling machine, gear hobbing machine, gear tooth grinding, milling. Use for small offcuts press to pick up chips.

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