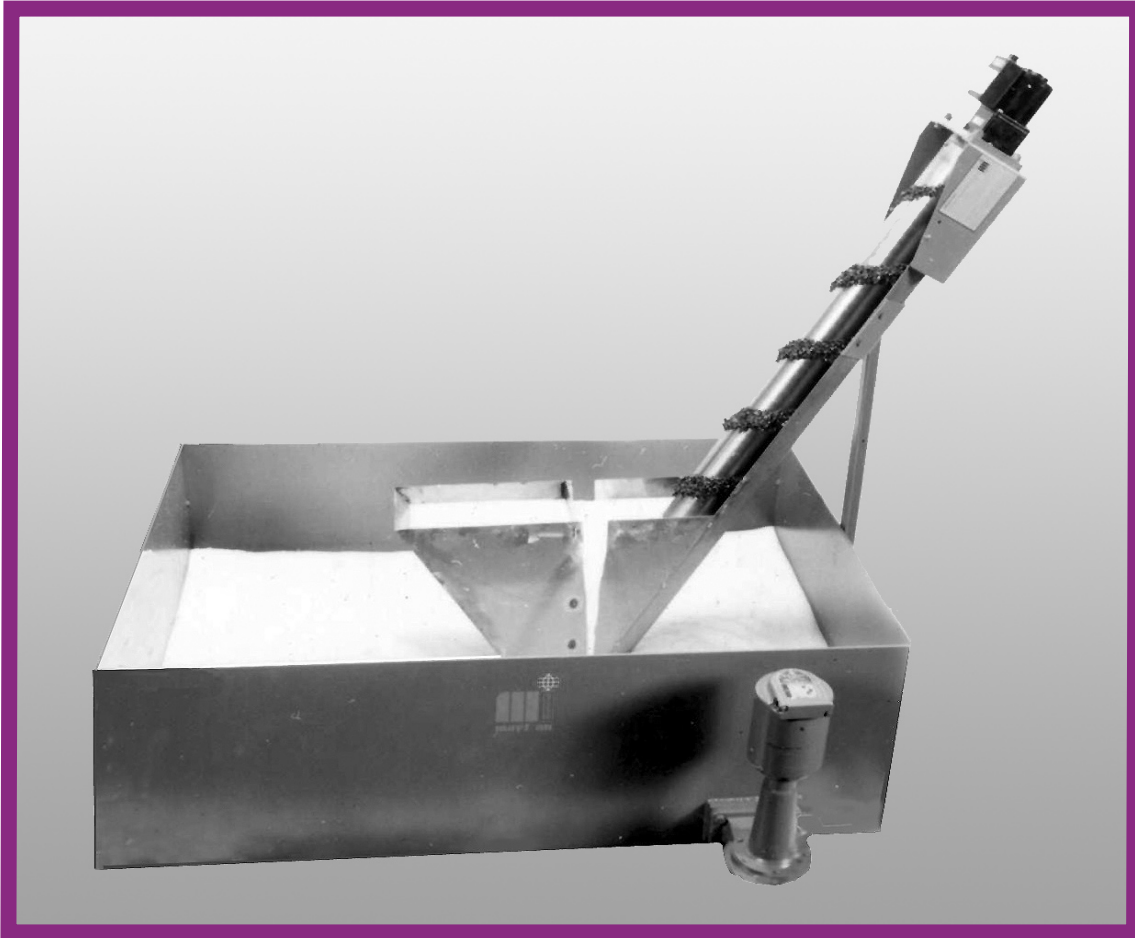


Mayfran Magnetic Screw Conveyors



Low-Cost, Compact Way to Remove Ferrous Fines and Chips.

The Mayfran SSP Magnetic Screw Conveyor is designed for moving and separating ferrous materials from coolant or cutting oil. Up to 500 lbs. can be moved hourly, eliminating manual parts handling or messy manual chip removal.

SSP magnetic conveyors are ideal for chip and coolant separation in hobbing, broaching, drilling, milling and similar applications.

- Powerful magnetic field eliminates manual chip cleanout.
- Compact size fits restricted spaces.
- Plug and run 110V operation with controls.
- Virtually maintenance-free.
- Wide choice of standard lengths to fit most applications.
- Optional hopper directs material to conveyor.



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Magnetic Screw Conveyors

SPECIFICATIONS



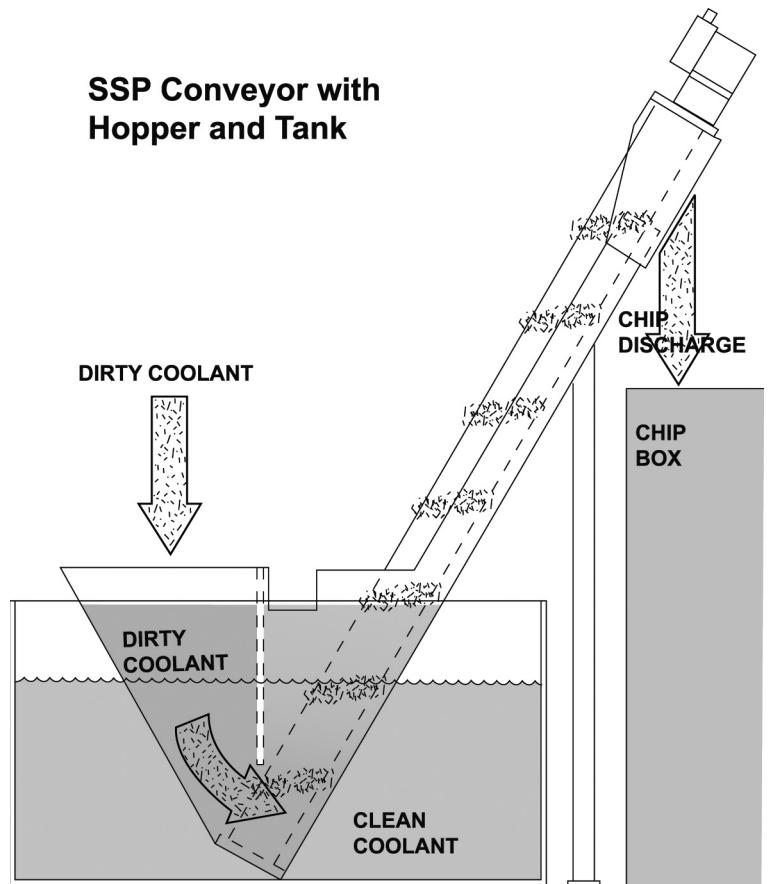
HOW IT OPERATES.

The conveyor employs a rotating magnetic core inside a fixed stainless steel tube. The magnetic core attracts the ferrous material and conveys it along the surface of the tube in a spiral progression.

The SSP features an intensified magnetic field at the base to immediately attract chips from flowing coolant. An inner "dirty coolant" tank is provided to ensure coolant flow past the strong SSP magnet for positive cleansing. The core is driven by a small, directly coupled, low voltage motor. A variable speed controller tailors the output to your requirements. Support legs and loading hoppers are available to match your equipment.

The SSP is also available as a complete self-contained separator system with outer "clean coolant" tank, pump, and other options.

SSP Conveyor with Hopper and Tank



SERIES	Capacity (lbs/hr (kg/hr))	Tube Diameter (inches(mm))	Tube Length (inches(cm))
SSP (dry or wet)	500 (226.8)	4 (101.6)	32 - 119 (81.3 - 302.3)

Easy reference chart to determine length code of desired conveyor

ANGLE OF INCLINE	LENGTH CODE	3" (76.2mm) or 4" (101.6mm) dia. units					4" (101.6mm) dia. units only						
		8	10	12	14	16	18	20	22	24	26	28	30
	(TUBE LENGTH) (inches (cm))	32 (81.3)	40 (101.6)	48 (121.9)	55.75 (141.6)	63.5 (161.3)	71.5 (181.6)	79.25 (201.3)	87.25 (221.6)	95 (241.3)	103 (261.6)	111 (281.9)	119 (302.3)
30°	Discharge Hgt. (inches (cm))	12.5 (31.8)	16.5 (41.9)	20.5 (52.1)	24.0 (61.0)	28.0 (71.1)	32.0 (81.3)	36.0 (91.4)	40.0 (101.6)	44.0 (111.8)	48.0 (121.9)	52.0 (132.1)	56.0 (142.2)
45°	Discharge Hgt. (inches (cm))	17.5 (44.5)	23.0 (58.4)	29.0 (73.7)	34.0 (86.4)	40.0 (101.6)	45.5 (115.6)	51.0 (129.5)	56.5 (143.5)	62.0 (157.5)	68.0 (172.7)	73.5 (186.7)	79.0 (200.7)
60°	Discharge Hgt. (inches (cm))	21.5 (54.6)	28.5 (72.4)	35.5 (90.2)	42.0 (106.7)	49.0 (124.5)	55.5 (141.0)	62.5 (158.8)	69.0 (175.3)	76.0 (193.0)	83.0 (210.8)	90.0 (228.6)	97.0 (246.4)