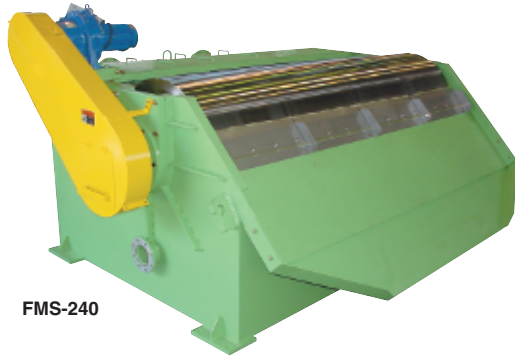


# CHIP & SLUDGE CONVEYANCE EQUIPMENT

## Model FMS SUPER MAGCLEAN\*

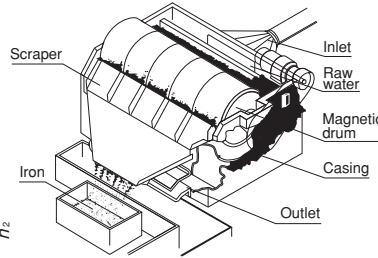
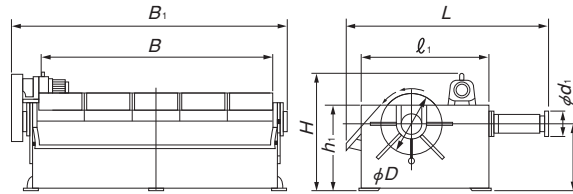


### [Application]

Suitable for removing iron from waste water in ironworks and cooling water for steel rolling. This model is also used to remove/collect iron from washing water from blast furnaces, sintering furnaces, dust collectors and other industrial waste water.

### [Features]

- A large capacity ranging from 60 t/h to 360 t/h and a wide variety of types. Highly economical.
- A high rate of collection of iron from waste water for economical operations. A collection rate of 94.5% from waste water of 5% concentration (mixture ratio) of rolled scales of 0.02 to 2 mm in grain size.
- The simple mechanism is likely to cause less trouble. The magnetic effect is unchanging and lasts long.
- Smooth inflow and outflow of raw water. As a secondary effect, part of oily substances is also removed.



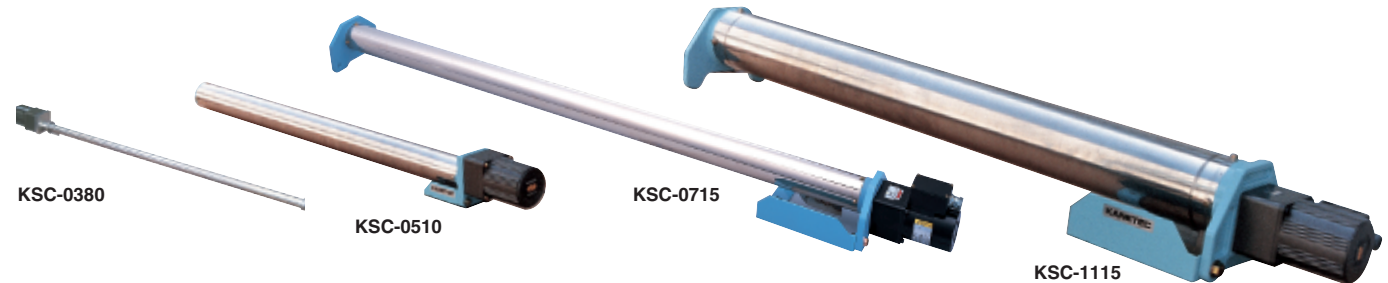
Model	Processing Capacity	Power Source	Motor	Drum Revolution	Dimensions								Mass		
					D	B	B <sub>1</sub>	L	l <sub>1</sub>	h <sub>2</sub>	d <sub>1</sub>	H		h <sub>1</sub>	
FMS-60	60t/h	3-phase 200 VAC/ 220 VAC, 50/60 Hz	0.4 kW	4.1/4.8rpm (50/60Hz)	800 (31.5)	650 (25.5)	1130 (44.4)	2020 (79.5)	1700 (66.9)	900 (35.4)	280 (11.0)	1450 (57.1)	1150 (45.2)	2100kg/ 4630 lb	
FMS-120	120t/h		0.75kW	4.2/5.0rpm (50/60Hz)		1300 (51.2)	1780 (70.0)				2300 (90.5)	305 (12.0)		1530 (60.2)	3500kg/ 7716 lb
FMS-180	180t/h		1.5 kW	4.3/5.2rpm (50/60Hz)		1950 (76.7)	2470 (97.2)					330 (12.9)		1591 (62.6)	5300kg/11685 lb
FMS-240	240t/h		2.2 kW	3.9/4.7rpm (50/60Hz)		2600 (102.4)	3140 (123.6)	2600 (102.4)			1800 (70.9)	350 (13.7)		7350kg/16204 lb	
FMS-300	300t/h		3900 (153.5)	4490 (176.8)		2800 (110.2)	9450kg/20834 lb								
FMS-360	360t/h		2900 (114.2)	11300kg/24912 lb											

### Examples of data

Liquid to Process	Iron Scale Grain Size (mm)	Super Magclean	Amount of Processing Water	Raw Water Concentration	Processing Water Concentration	Collection Rate
Rolling cooling water	0.04 -5	FMS-240 (4000L/min)	3000L/min	20000P.P.M.	909P.P.M.	95.5%
Continuous casting cooling water	0.04 -0.3	FMS-180 (3000L/min)	1500L/min	14800P.P.M.	784P.P.M.	94.7%
Sand filter backwash water	0.005-0.04	FMS-120 (2000L/min)	200L/min	41600P.P.M.	1780P.P.M.	95.7%

\*The collection rate varies according to the concentration of raw water and grain size distribution.

## Model KSC SPIRAL MAGNETIC CONVEYOR



### A guide for selection of models

Machine Tool	Drilling machine		Lathe	Milling machine		Gear cutting machine		Broaching machine	Special machine		Grinding machine
Shape of Chips	Ribbon shaped	Tangled	Flat and helical	Skew and helical	Long cylindrical and helical	Short cylindrical and helical	Spiral and helical	Spiral	Curled	Crushed	Fine iron powder
Magnetic Chip Conveyor MCO · MCOL	○	○	○	○	○	○	○	○	○	○	○
Spiral Magnetic Conveyor KSC · KSCT							○	○	○	○	
Magclean MS-F · MS-BR											○
Chip Magclean CMS						○	○	○	○	○	

\*Applicable range: Chips longer than 60 mm cannot be handled regardless of their shapes.

MAGNETIC TOOLS & EQUIPMENT FOR CONVEYANCE OPERATION  
 LIFTING MAGNET  
 MAGBORER  
 CHIP & SLUDGE CONVEYANCE EQUIPMENT  
 ENVIRONMENTAL MAGNETIZER AND DEMAGNETIZER  
 MAGNETIC SEPARATORS  
 POWERFUL MAGNETIC MEASURING TOOLS  
 MEASURING INSTRUMENTS  
 MAGNETIC MATERIALS