

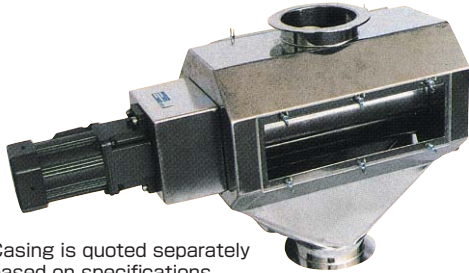
Model PCMD POWERFUL PERMANENT MAGNETIC DRUM

MAGNETIC TOOLS FOR WELDING OPERATION
LIFTING MAGNET



This photo shows an image of the product, not Model PCMD.

An example of PCMD-1630 casing



Casing is quoted separately based on specifications.

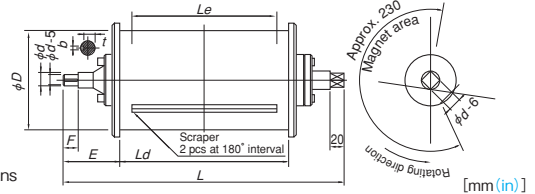
An example of application: Cleaned rice, barley/wheat, beans, coffee beans

[Application]

These drums are installed in a system or casing to continuously separate and sort out magnetic fine pieces from raw materials fed by a motor at a low speed. These drums are suitable for removing iron mixed in materials in processes of threshing, cleaning and processing rice.

[Features]

- Models of various sizes are available according to specifications of mounting equipment and required capacity.
- These drums employ a powerful rare earth magnet having a property value of 1.2 T (12,000 G) or over and the surface maximum magnetic flux density is 0.35 T (3,500 G) to realize a very powerful drum in the drum specifications.
- Since a permanent magnet of which the strong magnetic force is maintained for almost perpetually is used, the running cost can be reduced significantly.
- An optional intrusion preventing plate is also available.



Model	Max. Capacity	Revolution	Drive Motor	Working Temperature Upper Limit	Drum Dia			Dimensions			Shaft Dia	Keyway	Mass
					phi D	Le	Ld	L	E	F			
PCMD-1630	3.0m³/h	Optimum range 20-60min-1	Optimum capacity 0.1kW	80°C (176°F)	phi 165 (6.49)	300 (11.8)	320 (12.6)	535 (21.0)	110 (4.33)	25 (0.98)	phi 20 (0.78)	5 (0.19) x 12 (0.47)	Approx. 25kg/55.1 lb
PCMD-2135	4.5m³/h				phi 216 (8.50)	350 (13.7)	370 (14.5)	600 (23.6)	115 (4.52)	30 (1.18)	phi 25 (0.98)	6 (0.23) x 16.5 (0.65)	Approx. 37kg/81.5 lb
PCMD-2640	6.0m³/h				phi 267 (10.5)	390 (15.3)	420 (16.5)	660 (25.9)	130 (5.11)	38 (1.49)	phi 30 (1.18)	8 (0.31) x 21 (0.82)	Approx. 50kg/110 lb

MAGBORE
CHIP & SLUDGE TRANSPORTERS
ENVIRONMENTAL EQUIPMENT

Model PCMR POWERFUL PULLEY TYPE SEPARATOR

Removes weak magnetic fine particles from powder!!



PCMR-20A

An example of special fabrication

An example of application: Rice, barley/wheat, spice, coffee, tea, (sea tangle), various dry food materials, candy materials, chemical materials, chemical products, desiccating agent, feed, plastic materials and other various granular materials.

[Application]

These separators are installed in the preceding stage of processing dry bulk materials, spice materials and chemicals to separate and remove weak magnetic fine particles by a strong permanent magnet.

[Features]

- The permanent magnetic pulley employs a high performance rare earth magnet. Weak magnetic substances such as friction particles of stainless steel (SUS304) can be removed.
- Short length and compact, requiring a small installation space.
- The original construction facilitates belt replacement.
- The conveyor system for incorporation into lines.
- A version of antistatic belt specification is also available.

Model	Max. Capacity	Drive Motor	Belt speed	External Dimensions			Mass		
				Width	Length	Height			
PCMR-10A	0.8m³/h	0.09kW	30-60 m/min.	100 (3.93)	830	688	50kg/110 lb		
PCMR-20A	1.6m³/h			200 (7.87)			(32.6)	(27.0)	65kg/143 lb
PCMR-30A	2.4m³/h			300 (11.8)					80kg/176 lb

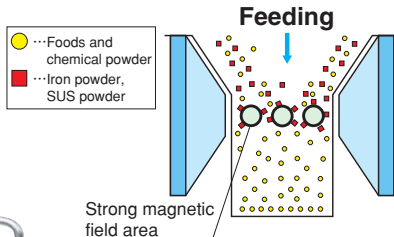
※The width up to 600 mm is possible.

MAGNETIZERS AND DEMAGNETIZERS FOR TRANSPORTATION
MAGNETIC SEPARATORS

Model PCMI POWERFUL MAGNETIC SEPARATOR

Powerful! 2-Tesla (20,000 Gauss) magnetic field does not miss magnetic substances that cannot be collected by conventional magnetic bars!

(A concept of catching magnetic substances)



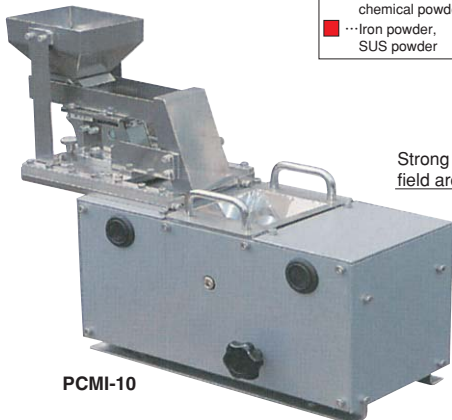
[Features]

- A uniform magnetic field is generated over the entire poles having a certain width.
- Since materials to process always pass through the highly magnetic area, magnetic substances are completely separated.
- Compared with the N-S-N-S structure of magnetic bars, the effective magnetic poles are 100% to provide a sure separation effect.
- Most suitable for separating/collecting and high-grade screening of fine iron powder, stainless steel powder and very fine wear particles from a small amount of non-sticky powder. (A fixed amount vibration feeder included.)

An example of processing

Materials to Process	Grain Size [μm]	Grain Size [kg/h]
Non-sticky powder	300-500	75
Konnyak flour	40-600	120

[mm (in)]



PCMI-10

Model	External Dimensions			Passing Area	Power Source	Mass
	Width	Depth	Height			
PCMI-10	180 (7.08)	480 (18.9)	405 (15.9)	W1.5 (0.05) x L100mm (3.93) x 4 places	100 VAC	55kg/121 lb

MEASURING TOOLS
MEASURING INSTRUMENTS
MAGNETIC MATERIALS