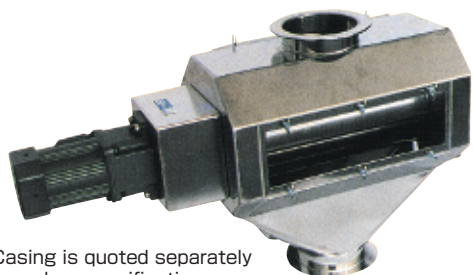


Model PCMD POWERFUL PERMANENT MAGNETIC DRUM



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

An example of PCMD-1630 casing



Casing is quoted separately based on specifications.

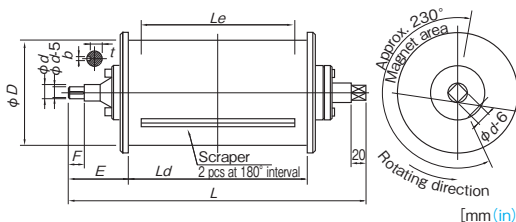
[Application]

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

[Features]

- Types 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) or over to realize a type that is most powerful in the drum series.
- Since a permanent magnet of which the powerful magnetic force is maintained for almost perpetually is used, the running cost can be reduced significantly.

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



Model	Max. Processing Capacity	Revolution	Drive Motor	Working Temp. Upper Limit	Drum Dia.	Effective Width	Drum Width	Dimensions			Shaft Dia.	Keyway	Mass
					ϕD	L_e	L_d	L	E	F	ϕd	$b \times t$	
PCMD-1630	3.0m ³ /h	Optimum range 20 - 60 rpm	Optimum capacity 0.1 kW	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) × 12 (0.47)	Approx. 25kg/55.1 lb
PCMD-2135	4.5m ³ /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) × 16.5 (0.65)	Approx. 37kg/81.5 lb
PCMD-2640	6.0m ³ /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) × 21 (0.82)	Approx. 50kg/110 lb

Model PCMR POWERFUL PULLEY TYPE LOCUS SEPARATOR

Removes weak magnetic fine particles from powder!!



PCMR-20A

An example of special fabrication

- An example of usage: Rice, barley/wheat, beans, spice, coffee, tea, konbu (kelp), various dry food materials, candy materials, chemical materials, chemical products, desiccating agent, feed, plastic materials and other various granular materials.

[Application]

This separator is installed in the preceding stage of processing dry granular 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. Processing Capacity	Drive Motor	Belt Speed	Dimensions			Mass
				Width	Length	Height	
PCMR-10A	0.8m ³ /h	0.09kW	30-60 m/min.	100 (3.93)	830 (32.6)	688 (27.0)	50kg/110 lb
PCMR-20A	1.6m ³ /h			200 (7.87)			65kg/143 lb
PCMR-30A	2.4m ³ /h			300 (11.8)			80kg/176 lb

※The width up to 600 mm is possible.

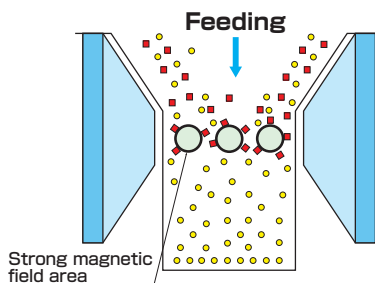
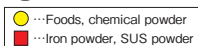
Model PCMI OPPOSING-POLE TYPE POWERFUL MAGNETIC SEPARATOR

Powerful! 2-Tesla (20,000 Gauss) magnetic field never misses magnetic substances that cannot be collected by conventional magnetic bars!



PCMI-10

<A concept of catching magnetic substances>



[Features]

- A uniform magnetic field is produced 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 pole is 100% to provide a reliable 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.)

[mm (in)]

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

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