

Metal Separator

It applies to plastic, pharmaceutical, food, chemical, electronic, electrical and other industries of raw materials, degraded materials, reclaimed materials for metal detection and separation. It is able to quickly detect and automatically separate iron, copper, aluminum, stainless steel and other metal impurities from materials. It can also be installed on injection molding machine, extruder and other equipment.

The advantages of using metal separator

1. Protection of production equipment
2. Improve production efficiency greatly
3. Improve raw material utilization ratio
4. Improve quality of production
5. Decrease cost of maintaining and loss of downtime

PEC2005 Series metal separator

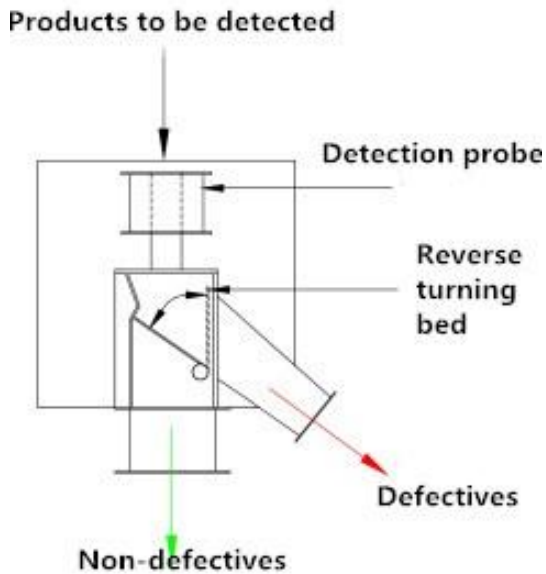
1. PEC2005A Free fall pipeline metal separator (manual feed)



PEC2005A1 metal separator (Paint steel)



PEC2005A2 metal separator (stainless steel)



schematic diagram

PEC2005A metal separator has high sensitivity and reliability; it is used to separate magnetic and non-magnetic metals from free fall bulk materials and ensure product quality; Integrated metal foreign body rapid elimination system, it's suitable for testing bulk products.

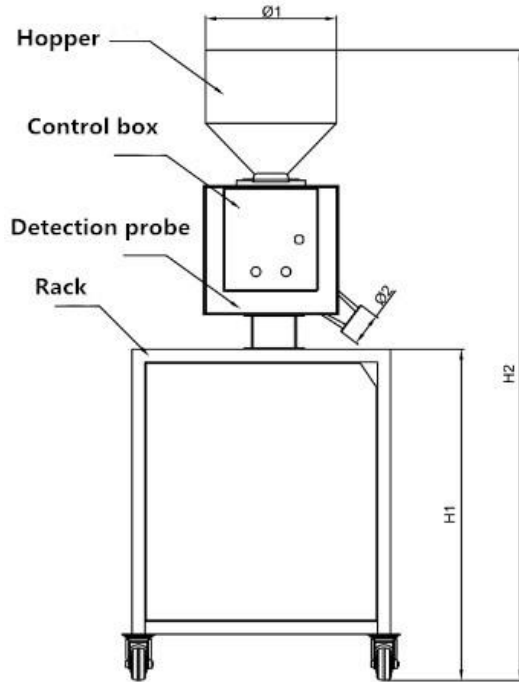
Application

It applies to plastic, pharmaceutical, food, chemical, electronic, electrical and other industries of raw materials, degraded materials, reclaimed materials for metal detection and separation. It is able to quickly detect and automatically separate iron, copper, aluminum, stainless steel and other metal impurities from materials. It can also be installed on injection molding machine, extruder and other equipment.

Product features

1. Included detection coil and separation device, controller and host can not be separated, it's easy to install and operate.
2. Through the elimination system to eliminate quickly, it can reduce the loss of materials and does not interfere with the normal production process.
3. A variety of apertures can be chosen, which can meet all practical applications, including product specification, requests of sensitivity, working flow.
4. Detected material characteristics: Bulk material, dry, good flow ability, powder particle
5. Quick connector and air tight flange can be chosen to achieve quick installation and disassembly
6. It's compact and easy to install and integrate into existing pipelines conveniently

Product structure:



Specification parameters:

Model	Inner Pipe Diameter (Φmm)	Sensitivity		Air compression	Max.throughput (L/h)	Material temperature	Defectives eliminated time	Installation height (mm)
		FeΦ	SUSΦ					
PEC2005-25	25	0.2mm	0.4mm	3~5Bar	300	< 80°C	0.3~5s	422
PEC2005-35	35	0.3mm	0.5mm	3~5Bar	400	< 80°C	0.3~5s	
PEC2005-50	50	0.5mm	1.0mm	3~5Bar	2000	< 80°C	0.3~5s	
PEC2005-70	70	0.8mm	1.2mm	3~5Bar	5000	< 80°C	0.3~5s	
PEC2005-100	100	1.0mm	1.5mm	3~5Bar	12000	< 80°C	0.3~5s	542
PEC2005-120	120	1.2mm	2.0mm	3~5Bar	16000	< 80°C	0.3~5s	645
PEC2005-150	150	1.5mm	2.5mm	3~5Bar	25000	< 80°C	0.3~5s	
PEC2005-200	200	2.0mm	3.0mm	3~5Bar	44000	< 80°C	0.3~5s	1045
PEC2005-250	250	2.5mm	3.5mm	3~5Bar	69000	< 80°C	0.3~5s	1245

Notes:

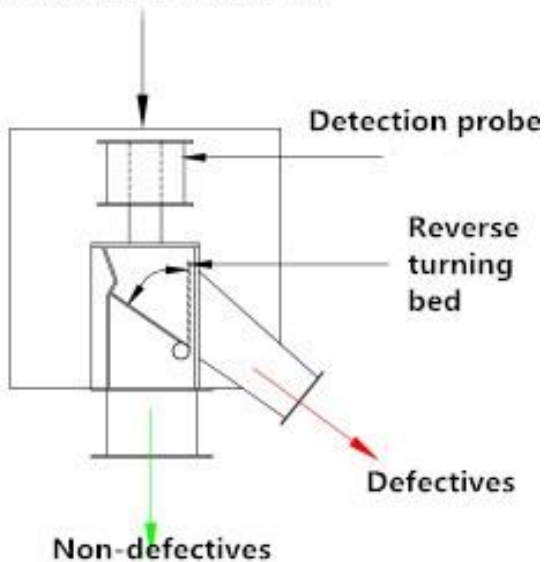
1. The sensitivity in the table is the test block falling freely through the detection of the pipeline,the actual detection sensitivity may be different according the characteristics of the product or the working environment,it should be based on the actual detection sensitivity;
2. The above list is only part of the common technical parameters,for more technical parameters, please contact our customer service staff.
3. The company's products will continue to upgrade,if the above technical parameters are changed without notice, please refer to the latest parameters.

2. PEC2005A Free fall pipeline metal separator (Sensor Head)

PEC2005A economical metal separator; it is used to separate magnetic and non-magnetic metals from free fall bulk materials and ensure product quality; Integrated metal foreign body rapid elimination system, it's suitable for testing bulk products.



Products to be detected



schematic diagram

Application

It applies to plastic particles, degraded materials, reclaimed materials for metal detection and separation. It is able to quickly detect and automatically separate iron, copper, aluminum, stainless steel and other metal impurities from materials. It can also be installed in the injection molding machine, extruder and other equipment.

**Product features**

1. A variety of apertures can be chosen, which can meet all practical applications, including product specification, requests of sensitivity, working flow.
2. Detected material characteristics: Bulk material, dry, good flow ability, powder particle
3. Quick connector and air tight flange can be chosen to achieve quick installation and disassembly.
4. It's compact and easy to install and integrate into existing pipelines.
5. It can also work with the injection molding machine, extruder and other equipment.

Specification parameters:

Model	Dimension (Φmm)	Sensitivity		air compression	Max.through put(L/h)	Material temperature	Defectives eliminated time	Installation height (mm)
		FeΦ	SUSΦ					
PEC2005-25	25	0.2mm	0.4mm	3~5Bar	300	< 80°C	0.3~5s	330
PEC2005-35	35	0.3mm	0.5mm	3~5Bar	400	< 80°C	0.3~5s	
PEC2005-50	50	0.5mm	1.0mm	3~5Bar	2000	< 80°C	0.3~5s	
PEC2005-70	70	0.8mm	1.2mm	3~5Bar	5000	< 80°C	0.3~5s	
PEC2005-100	100	1.0mm	1.5mm	3~5Bar	12000	< 80°C	0.3~5s	473
PEC2005-120	120	1.2mm	2.0mm	3~5Bar	16000	< 80°C	0.3~5s	
PEC2005-150	150	1.5mm	2.5mm	3~5Bar	25000	< 80°C	0.3~5s	600
PEC2005-200	200	2.0mm	3.0mm	3~5Bar	44000	< 80°C	0.3~5s	922
PEC2005-250	250	2.5mm	3.5mm	3~5Bar	69000	< 80°C	0.3~5s	948

3. PEC2005F Series metal separator with automatic feeder and vibrator

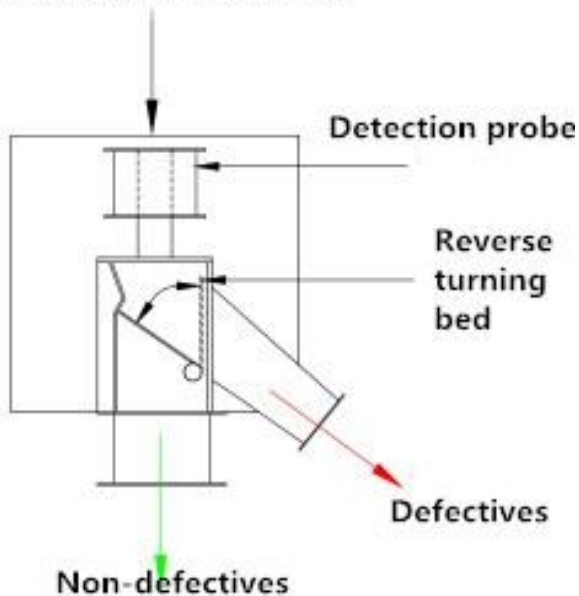


PEC2005F2 automatic vibration & feeding metal separator



PEC2005F1 automatic feeding metal separator

Products to be detected



schematic diagram

Automatic feeding metal separator combination (can be equipped with a variety of vibration feeding machine and vacuum suction machine) is used to detect and separate all the metals in plastic material, including iron and non-ferrous metals (such as copper, aluminum, stainless steel) and so on. In the process of recycling the old material, there will be some metal impurities mixed in it and enter production. As a result, it will cause accident and increase downtime so that increase costs and affect production efficiency. This equipment can save the labor

cost of manual feeding, and is suitable for the customers with large material requirement. It has the advantages of durable, large suction force, long service life, etc. And it can realize automatic feeding.

Application: Separating all raw materials mixed in raw materials or recycled materials, including iron and non-ferrous metals such as copper, aluminum, stainless steel and so on

Product features

1 Using automatic feeding metal separator combination can save labor cost of manual feeding, it can be equipped with different types of suction machine, according to the requirements of the customer's material quantity and the parameters of the metal separator, it can achieve automatic feeding .

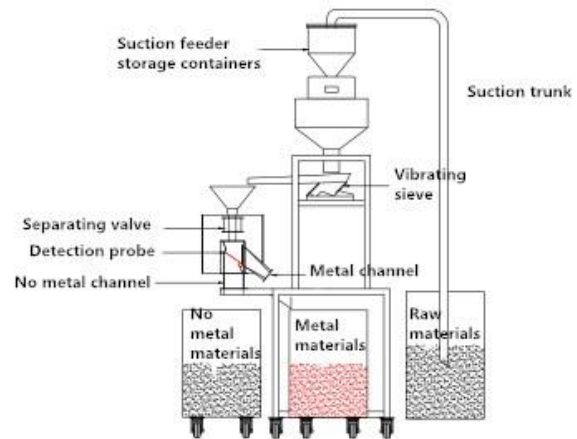
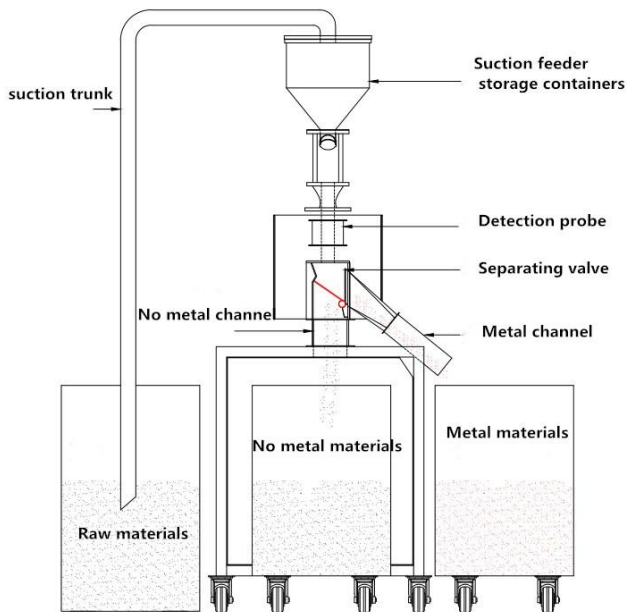
2 This combination machine has the advantages of portability, durability, strong suction force, convenient installation and easy operation;

3. The rapid elimination of system can reduce the loss of material, and will not interfere with the normal production process.

4. A variety of apertures can be chosen, which can meet all practical applications. (Product specification, requests of sensitivity, working flow)

5. Detected material characteristics: Bulk material, dry, good flowability, powder particle

Product structure:





Specification parameters:

Model	Dimension (Φmm)	Sensitivity		air compression	Max.throughp ut(L/h	Material temperature	Defectives eliminated time
		FeΦ	SUSΦ				
PEC2005-25	25	0.2mm	0.4mm	3~5Bar	300	< 80°C	0.3~5s
PEC2005-35	35	0.3mm	0.5mm	3~5Bar	400	< 80°C	0.3~5s
PEC2005-50	50	0.5mm	1.0mm	3~5Bar	2000	< 80°C	0.3~5s
PEC2005-70	70	0.8mm	1.2mm	3~5Bar	5000	< 80°C	0.3~5s
PEC2005-100	100	1.0mm	1.5mm	3~5Bar	12000	< 80°C	0.3~5s

Notes:

1. The sensitivity in the table is the test block falling freely through the detection of the pipeline, the actual detection sensitivity may be different according to the characteristics of the product or the working environment, it should be based on the actual detection sensitivity;
2. The above list is only part of the common technical parameters, for more technical parameters, please contact our customer service staff.
3. The company's products will continue to upgrade, if the above technical parameters are changed without notice, please refer to the latest parameters.

4. PEC2005B LCD Screen Metal Separator

Apply to food, plastic and chemical industry to detect metals from its granules, flakes and blocks, such as injection parts (precision connector).



Features

1. Can handle a variety of products; and use a more compact rack design in order to save space;
2. With high sensitivity, can detect diameter over 0.3mm iron ball;
3. The sensitivity can be adjusted according to the product characteristics, the detection and elimination times can be recorded in real time, and the records can be manually cleared;
4. Made of stainless steel, shockproof, adaptable to environment and temperature changes;
5. Multiple language functions (Chinese, English, Japanese, etc., other languages can be customized according to demand).



Dongguan Coso Electronic Tech Co., Ltd

Address: BUILDING 3, NO. 9, YINKAI WEST ROAD, DONGCHENG DISTRICT, DONGGUAN, GUANGDONG, CHINA

Email: coso06@cosoar.com Phone: +8613622681426

Metal Detector, Metal Separator, Check Weigher, X Ray Inspection System

Model	Dimension (Φmm)	Sensitivity		air compression	Max.through put(L/h)	Material temperature	Defectives eliminated time	Installation height (mm)
		FeΦ	SUSΦ					
PEC2005-25	25	0.2mm	0.4mm	3~5Bar	300	< 80°C	0.3~5s	330
PEC2005-35	35	0.3mm	0.5mm	3~5Bar	400	< 80°C	0.3~5s	
PEC2005-50	50	0.5mm	0.8mm	3~5Bar	2000	< 80°C	0.3~5s	
PEC2005-70	70	0.8mm	1.2mm	3~5Bar	5000	< 80°C	0.3~5s	
PEC2005-100	100	0.8mm	1.2mm	3~5Bar	12000	< 80°C	0.3~5s	473
PEC2005-120	120	1.0mm	1.5mm	3~5Bar	16000	< 80°C	0.3~5s	
PEC2005-150	150	1.2mm	2.0mm	3~5Bar	25000	< 80°C	0.3~5s	600
PEC2005-200	200	2.0mm	2.5mm	3~5Bar	44000	< 80°C	0.3~5s	922

Notes:

1. The sensitivity in the table is the test block falling freely through the detection of the pipeline, the actual detection sensitivity may be different according to the characteristics of the product or the working environment, it should be based on the actual detection sensitivity;
2. The above list is only part of the common technical parameters, for more technical parameters, please contact our customer service staff.
3. The company's products will continue to upgrade, if the above technical parameters are changed without notice, please refer to the latest parameters.



Dongguan Coso Electronic Tech Co., Ltd

Address: BUILDING 3, NO. 9, YINKAI WEST ROAD, DONGCHENG DISTRICT, DONGGUAN, GUANGDONG, CHINA

Email: coso06@cosoar.com Phone: +8613622681426

Metal Detector, Metal Separator, Check Weigher, X Ray Inspection System





Verification of Compliance

Verification No.: MK22120070-P01S03

Name and address of Applicant: Dongguan Coso Electronic Tech Co., Ltd
Building 3, No. 9, Yinkai West Road, Dongcheng District, Dongguan, Guangdong, China

Name and address of Manufacturer: Dongguan Coso Electronic Tech Co., Ltd
Building 3, No. 9, Yinkai West Road, Dongcheng District, Dongguan, Guangdong, China

Product name: Metal Separator

Rated: 100-240V~, 50/60Hz, 100W

Product model(s): PEC2005A, PEC2005B, PEC2005C, PEC2005E, PEC2005F, PEC2005G, PEC2005G2, PEC2005G3

Product trademark: N/A

This verification confirms that the product meets the requirements of the following standard.
The conformity was demonstrated based on following standard(s) listed by European Commission as harmonized with MACHINE DIRECTIVE 2006/42/EC.

EN 60204-1:2018

The verification has been carried out in accordance with individual rules and conditions agreed with the applicant. Evaluation has been carried out in accordance with:

Test report(s) No.: MK22120070-P01S03
Test conducted by: TMC Testing Service Limited
Verification issue date: December 27, 2022

Notes:

This verification refers to the above mentioned product and its conformity in regards of above mentioned standard(s) was proven on test sample.

This verification does not imply meeting all essential requirements, a assessment of the series-production or any other restricted Notified Bodies conformity assessment procedure appropriate for the product.

This verification holder shall use this verification in connection to Verification of Compliance and technical data relevant for the product the verification was issued.


TMC Testing Service Limited
Unit 8B, 4 / F, Lippo Sun Plaza, 28 Canton Road, Tsim Sha Tsui, Kowloon, Hong Kong




Lab Director
Admire Xu



ISO 9001 Certificate





Quality Management System Certificate

Certificate No. : 04924Q02053R0S

We hereby certify that

Dongguan Coso Electronic Tech Co., Ltd

Unified Social Credit Code: 9144190078296863XL

Address: Room 101, Building 3, No.9, Yinkai West Road, Dongcheng District, Dongguan, Guangdong, China

by reason of its Quality Management System has been awarded this certificate for compliance with the standard GB/T 19001-2016 / ISO 9001:2015


Applies in the following area:

Production and sales of metal detector, metal separator, check weigher, weight sorting machine; Sales of X-ray foreign object detection machine


Initial date: 2024-12-31

Term of validity of this certificate: 2024-12-31 to 2027-12-30


The scope of this certificate only includes the premises listed in the certificate. If it involves administrative licensing pre-approval or mandatory certification, the scope of this certificate only covers products and services within the scope of the licensing qualification and the mandatory certification. During the validity period of the certificate, the certified organization must be subjected to regular supervision and review, and only if the review is positive can this certificate be validated. The related information of this certificate can be searched on the portal of Guangdong Quality Testing CTC Certification Co., Ltd. (<https://www.qctc.org>) and the CNCA (<http://cn.cca.cn>), or by scanning the QR code below for inquiries.




WeChat Official Account




Certificate Query





中国认可
国际互认
管理体系
MANAGEMENT SYSTEM
CNAS C649-M

Gene Liudong
Chairman



Guangdong Quality Testing CTC Certification Co., Ltd.

No. 10 Science Avenue, Huangpu District, Guangzhou, Guangdong, P. R. China

Tel: 020-89232333

<https://www.qctc.org>

