



PMA Material separators

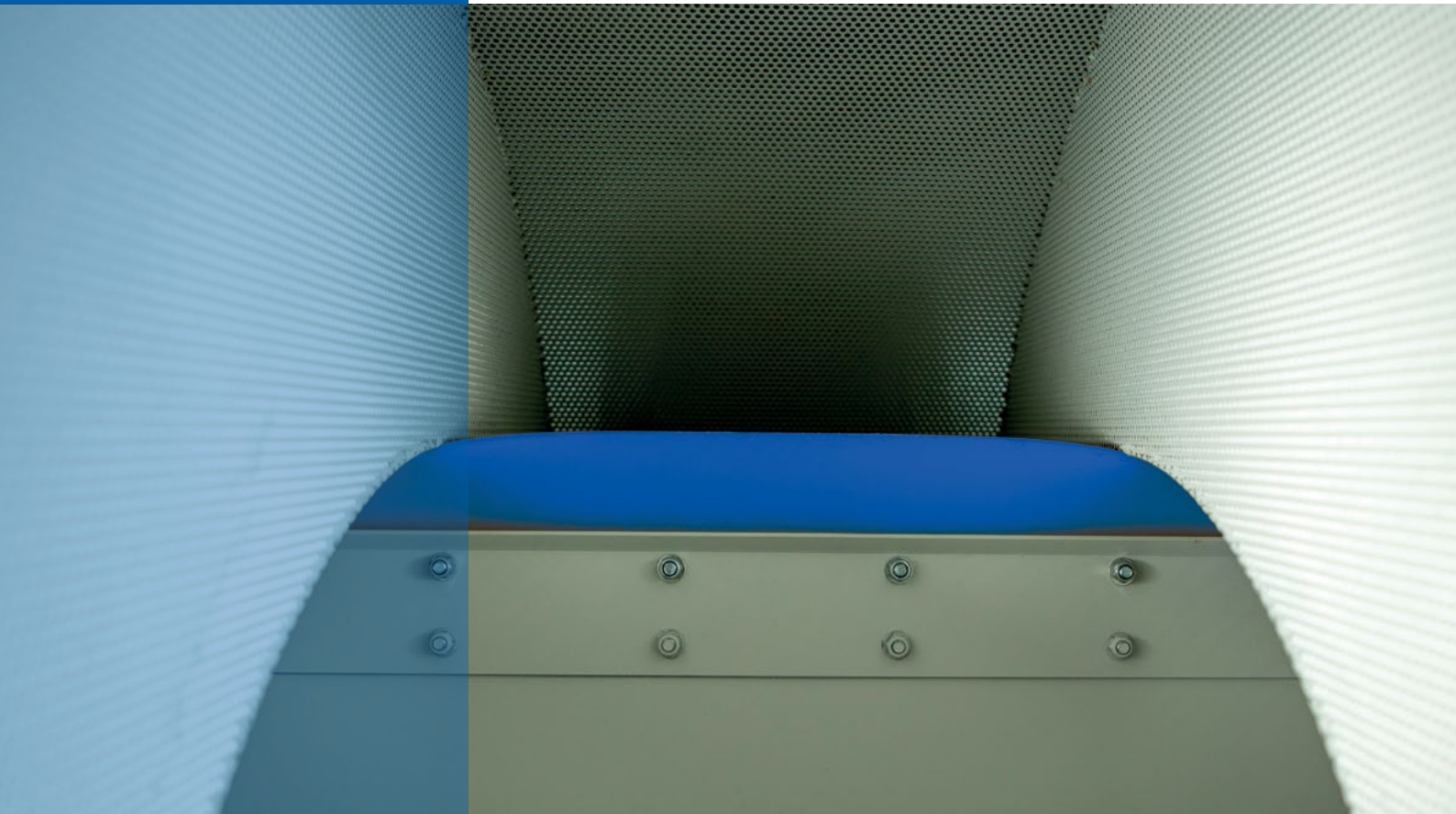
Type:
Cardboard/Paper (PMA/-U)
Foil (PMA-F)

HÖCKER[®]
POLYTECHNIK

Always one idea ahead

**Separating
the coarse
from the fine**

PMA - Material separators made by Höcker Polytechnik



Our technologies extract dust from production areas and also remove any waste. Our PMA material separator is an indispensable tool that reliably facilitates the disposal of process waste.

Höcker Polytechnik is setting new standards with our PMA material separators. The patented method and the huge range of potential applications make our PMAs highly efficient workhorses in the prefiltering stage.

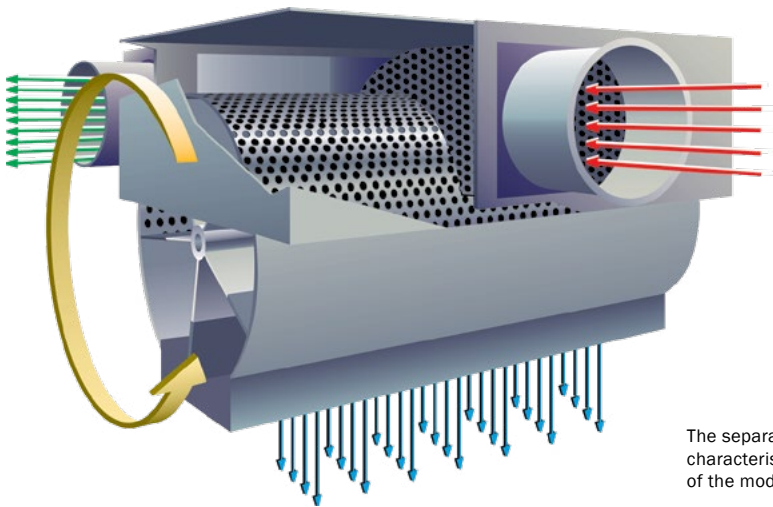
The air flow transports and the material separator reliably sorts foil waste, paper, cardboard, coarse wood or waste from the supply airflow. The material is discharged from the filter and disposal processes can be automated.

PMA - Material separators

Eager beavers with a high-level technology.

Separators from Höcker Polytechnik are used in preliminary separation of coarse paper and cardboard wastes. In their various sizes and forms, they represent tailor-made solutions for loading balers, containers and compactors of all kinds and makes. Additionally special versions for foil separation (PMA-F) or airlaid-materials can be delivered as well.

The main construction design characteristics of Höcker Polytechnik separators of the PMA type are unique. One particular feature is the modified rotary air lock with continuous self-cleaning to ensure reliable continuous operation.



The separator PMA has unique construction characteristics, e.g. the continuous self-cleaning of the modified rotary valve.

A separator for every application

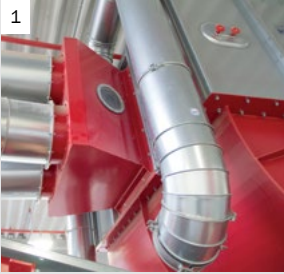
Our separator programme includes presently six sizes that can be fitted with a wide variety of inlet feeding joints and outlet hoods. For instance, the Höcker Polytechnik PMA material separator can be adopted to different applications and air volumes. And it can be combined with Höcker Polytechnik components for pneumatic transport and filtration whenever required. Especially in combination with the use of our high performance fans the waste extraction will become an energy saving installation.

Always state-of-the-art

Separators from Höcker Polytechnik are resistant to low pressure and take the demands of modern disposal concepts into account and are readily integrated into different facility concepts. Let us know your special installation requirements. Just give us a ring!

Advantages on a view

- Over 2500 units were sold worldwide
- Reliable continuous operation
- Minimum power requirement
- High air and material through-put volume
- Can be coupled with all types of downstream dust separating filters
- Non-pressurized material discharging is possible
- Compact construction and low construction height
- Simple accessibility for maintenance and inspection
- Feeding horizontally or vertically possible
- Can be operated in non-pressurized operation, i.e. extremely energy saving



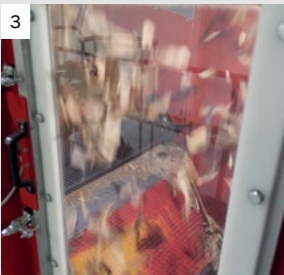
Feed

of the dust/waste mixture aspirated from the punches, shredders and production machines.



Sorting

of the dust/waste mixture by the PMA Material Separator.



Cardboard waste

is separated by the rotary feeder and fed to the recycling process.



Dusts

are aspirated from the PMA Material Separator by means of the low-pressure process and filtered by the MultiStar filter system.

The material separator in practical use

Used in one of the most modern corrugated board production facilities in Europe.



For paper, cardboard and corrugated cardboard

Material separator type: PMA-U

Wherever production waste from paper or cardboard is recycled on a large scale, the PMA-U Material Separator handles the crucial job in the run-up to the filter.

Coarse material is removed from the airflow and forwarded to recycling and the filter system handles the paper dust.

The PMA-U Material Separator thus not only organises the recycling area but also significantly reduces the dust load in the disposal area. This ensures a professional, clean and healthy work environment.

Manage air flows of 8,000 to 75,000 m³/h and choose from six variants, which can be equipped with a variety of inlet and output devices for individual customer and space requirements. The PMA-U Material Separator can be individually adapted for every practical case and for any desired air volume. The material separator can be combined with transport and filtration components at any time.



Scope of Application

- Corrugated board production
- Paper production
- Cardboard box production
- Production of packaging
- Printing companies
- Bookbinders
- Recycling
- wherever production waste occurs of paper / cardboard / corrugated cardboard which requires the integration of disposal processes

Model overview / Technical data

Type	Volume flow (m ³ /h)	Engine-rating (kW)	Weight (kg)	Length (mm)	Width (mm)	Height (mm)
PMA-U 80/ 8/0.75	9,000	0.75	510	980	980	980
PMA-U 95/12/0.75	18,000	0.75	740	1,390	1,120	1,380
PMA-U 120/12/1.50	25,000	1.50	930	1,390	1,390	1,700
PMA-U 120/19/3.00	35,000	3.00	1,420	2,110	1,390	1,700
PMA-U 160/19/3.00	50,000	3.00	1,950	2,110	1,720	2,100
PMA-U 200/25/4.00	75,000	4.00	3,480	2,800	2,300	2,330



For foils and PVC-packaging Material separator type: PMA-F

With the PMA-F material separators, you reliably convey and remove trimming waste of foils, foil- or plastic packaging. The PMA-F material separators are specifically designed and constructed for such recycling processes.

Robust and tear-resistant foils are a special challenge during the separation process. The PMA-F material separator masters the material handling of foil packaging and is used worldwide by packaging and consumer goods manufacturers.

Foil waste can thus be pneumatically conveyed and the final recycling processes are also considerably simplified with the PMA-F material separator.

Manage air flows of 8,000 to 75,000 m³/h and choose from six variants, which can be equipped with a variety of inlet and output devices for individual customer and space requirements. The PMA-F material separator can be individually adapted for any practical application and for any desired air volume. The material separator can be combined with transport and filtration components at any time.

Scope of application

- Production of foils
- Production of packaging
- Consumer goods industry
- Packaging services
- Recycling plants
- All companies which process foils and require waste trimmings to be integrated into automated waste management processes



Model overview / Technical data

Type	Volume flow (m ³ /h)	Engine-rating (kW)	Weight (kg)	Length (mm)	Width (mm)	Height (mm)
PMA-F 80/ 8/0.75	9,000	0.75	510	980	980	980
PMA-F 95/12/0.75	18,000	0.75	740	1,390	1,120	1,380
PMA-F 120/12/1.50	25,000	1.50	930	1,390	1,390	1,700
PMA-F 120/19/3.00	35,000	3.00	1,420	2,110	1,390	1,700
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PMA-F 200/25/4.00	75,000	4.00	3,480	2,800	2,300	2,330

Höcker Polytechnik Material Separators optimise industrial waste disposal processes



PMA-U material separator in the production of foldable cardboard boxes.



PMA-U Material Separator as an in-house solution in the corrugated cardboard production.

Four PMA-U material separators separate the production waste according to categories.



**Categorised
separation
made easy.**



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