

Inline cutting units and waste handling systems



 **MATHO**

## Our Company

Based in the South of Germany, Matho is one of the leading manufacturers worldwide for inline cutting units and waste extraction systems especially for the labels, converting and packaging industries. The systems extract, cut and convey your production waste into a waste disposal of your choice.

Thanks to the modular structured concept, Matho is in a position to cover customer wishes with great flexibility and to customize every system to the needs of the client.

Matho's waste removal systems always include an inline cutting unit from the well-known CUTTOPIPE series. According to the plans of the customer we are able to offer local and bag-bounded solutions (CUTTOBAG series) and centralised solutions for complete factories into balers or press containers (CUTTOPRESS series).

Please find below an overview of our three product series:

### Cuttopipe family



Matho produces unique inline cutting units for different materials and industries. The units are designed to fit into already existing waste extraction systems or as the „heart piece“ of every Cuttobag and Cuttopress system from us.

TYPES	Ø INPUT & EXIT
<b>GR-100</b>	100mm
<b>GR-160</b>	160mm
<b>GR-180</b>	160mm
<b>GR-200</b>	200mm
<b>GR-400</b>	200mm

### Cuttobag family



Local and stand-alone systems into normal bags or Big Bags. Every system is equipped with a machine frame, transportation fan, material separator, cutting unit and electrical control box.

TYPES	BAG CAPACITY
<b>CB-50</b>	1 x 100l
<b>CB-100</b>	1 x 300l
<b>CB-1000.1</b>	1 x 1,000l
<b>CB-1000.2</b>	2 x 1,000l

### Cuttopress family

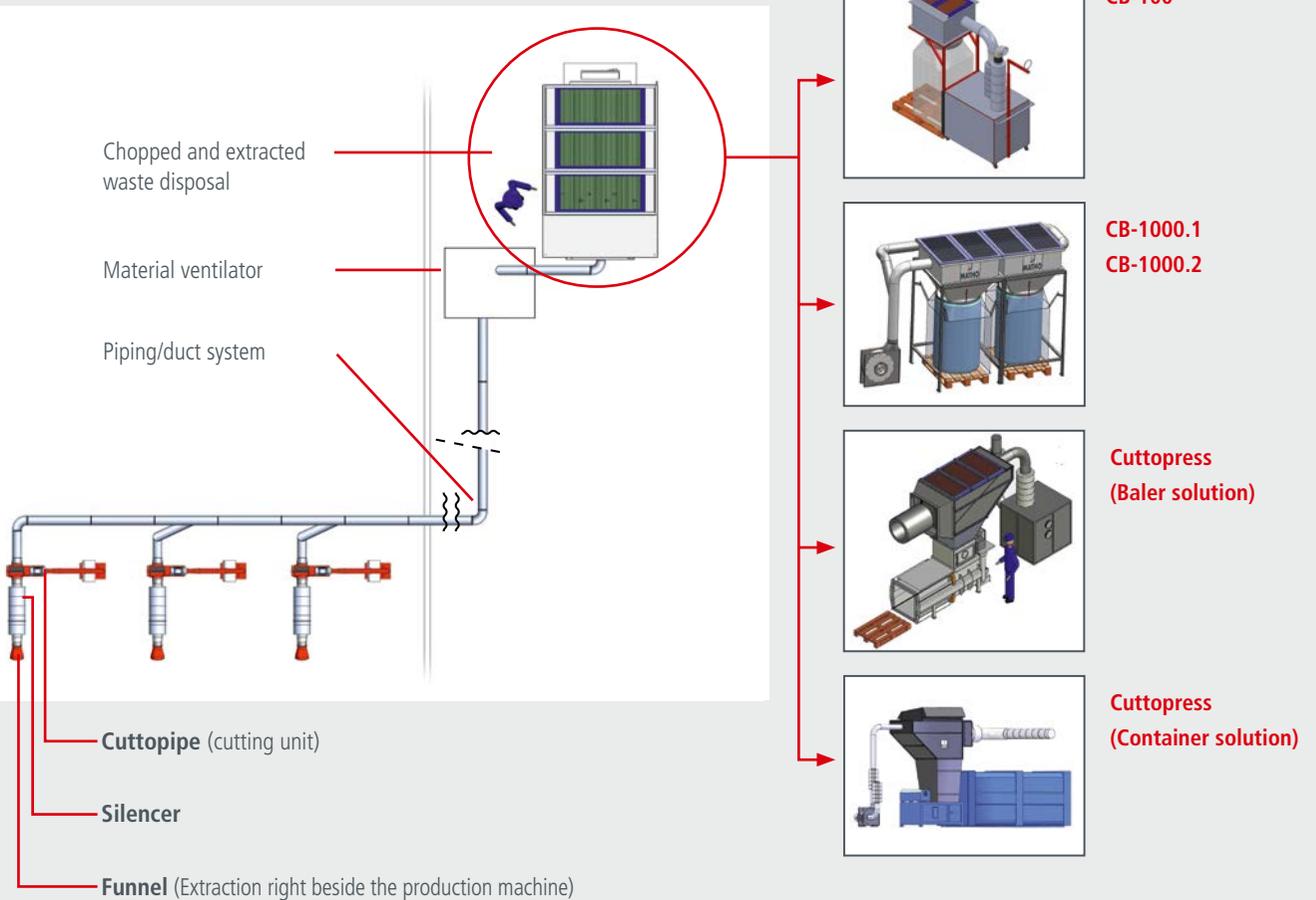


Our Cuttopress series is dedicated to extract and cut the waste of plenty of production machines centralized from the complete production site. There are a lot of different disposal solutions available, either new ones or already existing ones (baler, press container, compactor, open container, etc.).

## General system function

Inside the production facility

Inside or outside the plant



## Cuttopipe

Wide range of cutting units for an integration in already existing or new extraction systems with different tubing cross sections. With these inline cutters we are able to cover many applications and cut a lot of different materials at lowest air resistance, highest throughput rates and very high reliability.

### Single inline cutting units

TYPES

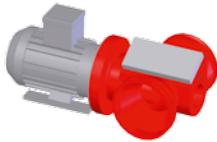
**GR-100**

**GR-160**

**GR-180**

**GR-200**

**GR-400**



### Complete cutting module for non- or self-adhesive matrix waste

TYPES

**EM-160**

**EM-180**

**EM-200**

**EM-400**



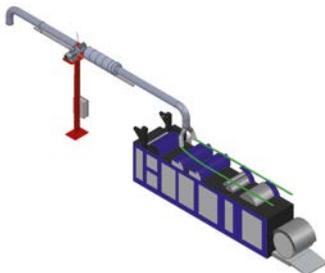
### Complete cutting module for non- or self-adhesive edge trim waste

TYPES

**CM-160**

**CM-180**

**CM-200**



#### Application:

Extraction and cutting of one self-adhesive matrix and two non-adhesive edge trims using a bypass pipe

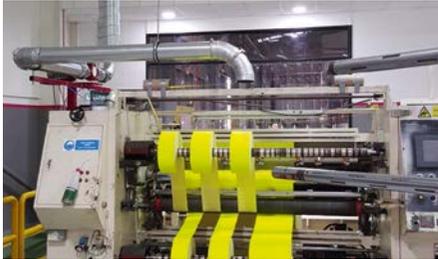
Solution: **Cuttopipe EM-160**

## Typical applications in industrial production:



**Application:**  
Extraction and cutting of eight non-adhesive edge trims with two CM-160s from four packaging lines

**Solution:** 2x **Cuttopipe CM-160**



**Application:**  
Extraction and cutting of two self-adhesive edge trims from a high-speed slitter

**Solution:** **Cuttopipe CM-160**



**Application:**  
Extraction and cutting of one self-adhesive matrix, including a large rewind roll

**Solution:** **Cuttopipe EM-200**



**Application:**  
Waste removal system for four edge trims from two high-speed slitters in customer company colours

**Solution:** 2x **Cuttopipe CM-180**



**Application:**  
CM-160 for two non-adhesive edge trims connected to a large waste extraction system

**Solution:** **Cuttopipe CM-160**



**Application:** Cutting system for self-adhesive matrix and trims

**Solution:** **Cuttopipe EM-200**

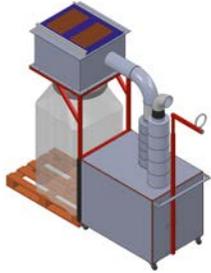


**Application:** CM-160 installed below the roof for four edge trims from two label slitters

**Solution:** **Cuttopipe CM-160**

## Cuttobag

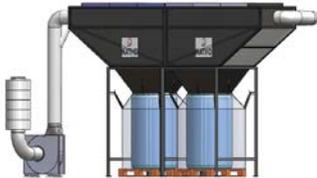
The Cuttobag series covers the complete range of compact and bag-bounded waste extraction systems, every time including an inline cutting unit (Cuttopipe). We supply any size, from small and portable with single collection bag to machine group solutions with double collection bags. The systems are dedicated for the extraction and cutting of trims, adhesive matrix and punched waste in the packaging and converting industries.



CB-100



CB-1000.1



CB-1000.2

TYPES	BAG CAPACITY
<b>CB-50</b>	1 x 100l
<b>CB-100</b>	1 x 300l
<b>CB-1000.1</b>	1 x 1,000l
<b>CB-1000.2</b>	2 x 1,000l



### Application:

Extraction and cutting of four edge trims from two high-speed slitters, including a compact dust filter system

Solution: **Cuttobag CB-1000.1**

## Typical applications in industrial production:



**Application:**  
Extraction and cutting system for one self-adhesive matrix machine  
**Solution:** **Cuttobag CB-1000.1**



**Application:**  
Waste removal system for a group of three slitters  
**Solution:** **Cuttobag CB-1000.1**



**Application:**  
Double big bag system for twelve edge trims from six slitting machines  
**Solution:** **Cuttobag CB-1000.2**



**Application:**  
Extraction and cutting system for ten production lines in the flexible packaging industry  
**Solution:** **Cuttobag CB-1000.2**



**Application:**  
Moveable extraction system for self-adhesive matrix including inline cutting unit  
**Solution:** **Cuttobag CB-100**



**Application:**  
Moveable waste extraction system for matrix and edge trim waste  
**Solution:** **Cuttobag CB-100**

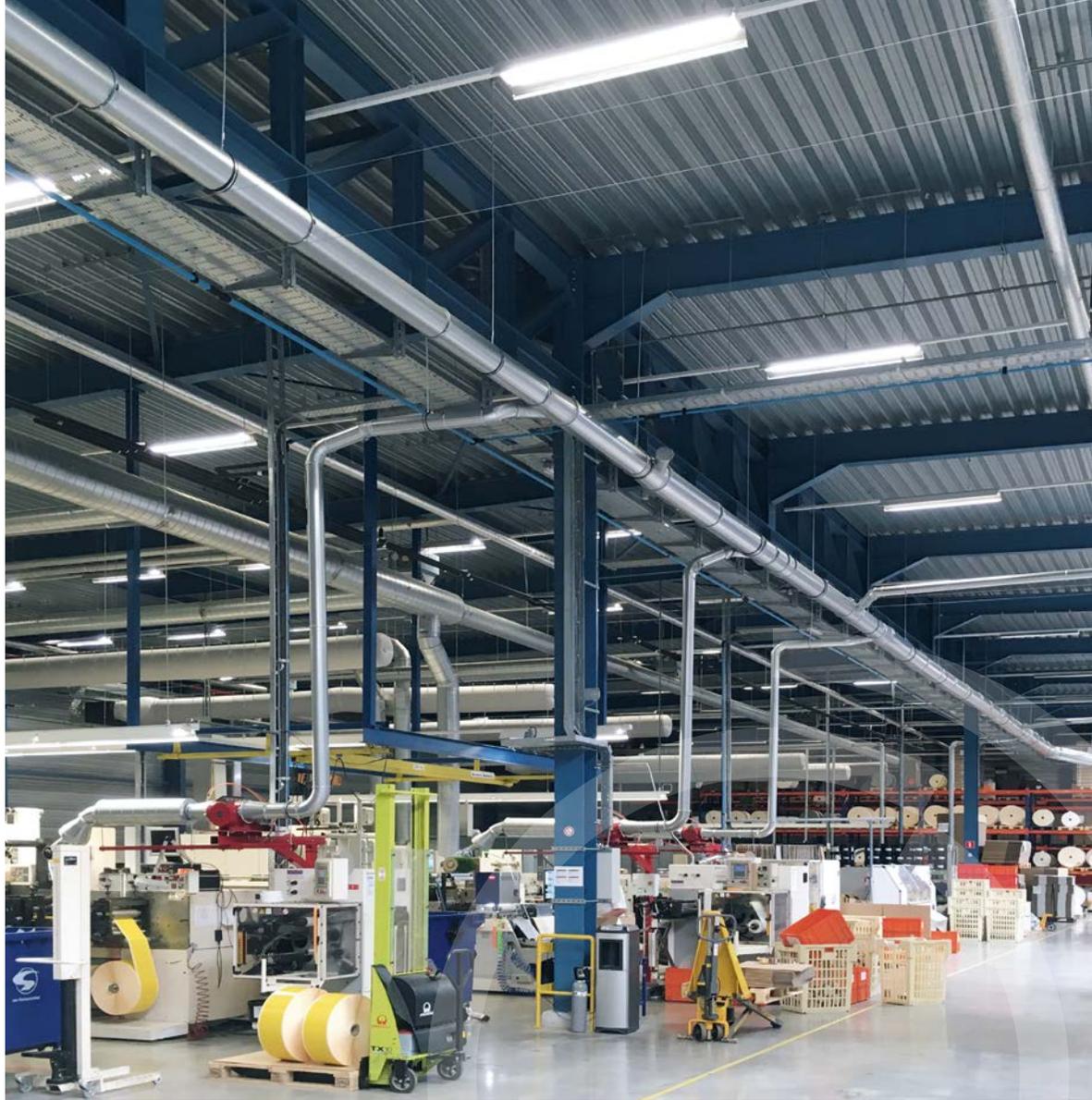
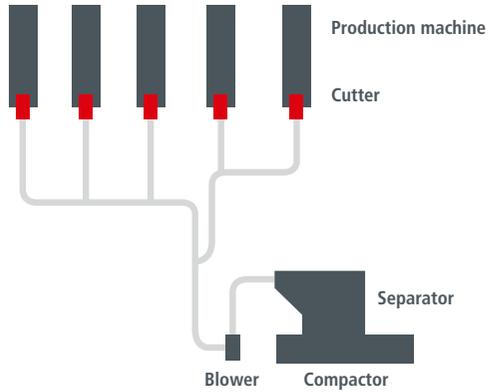
## Cuttopress

Complete waste extraction systems for a large amount of production waste. We offer individual solutions for almost all customer requirements and almost every location. Most of our Cuttopress systems are completely customized.

Usually the chopped waste material is transported via a main pipe system and a transportation fan to a baler or a press container inside or outside the building, either as a new storage device or an already existing one.

A dust filter and an air return system are always included, different other options available.

The Cuttopress systems can be extended easily, just if you plan to start with the extraction of one machine in the beginning with the option to add all other existing machines in the future.

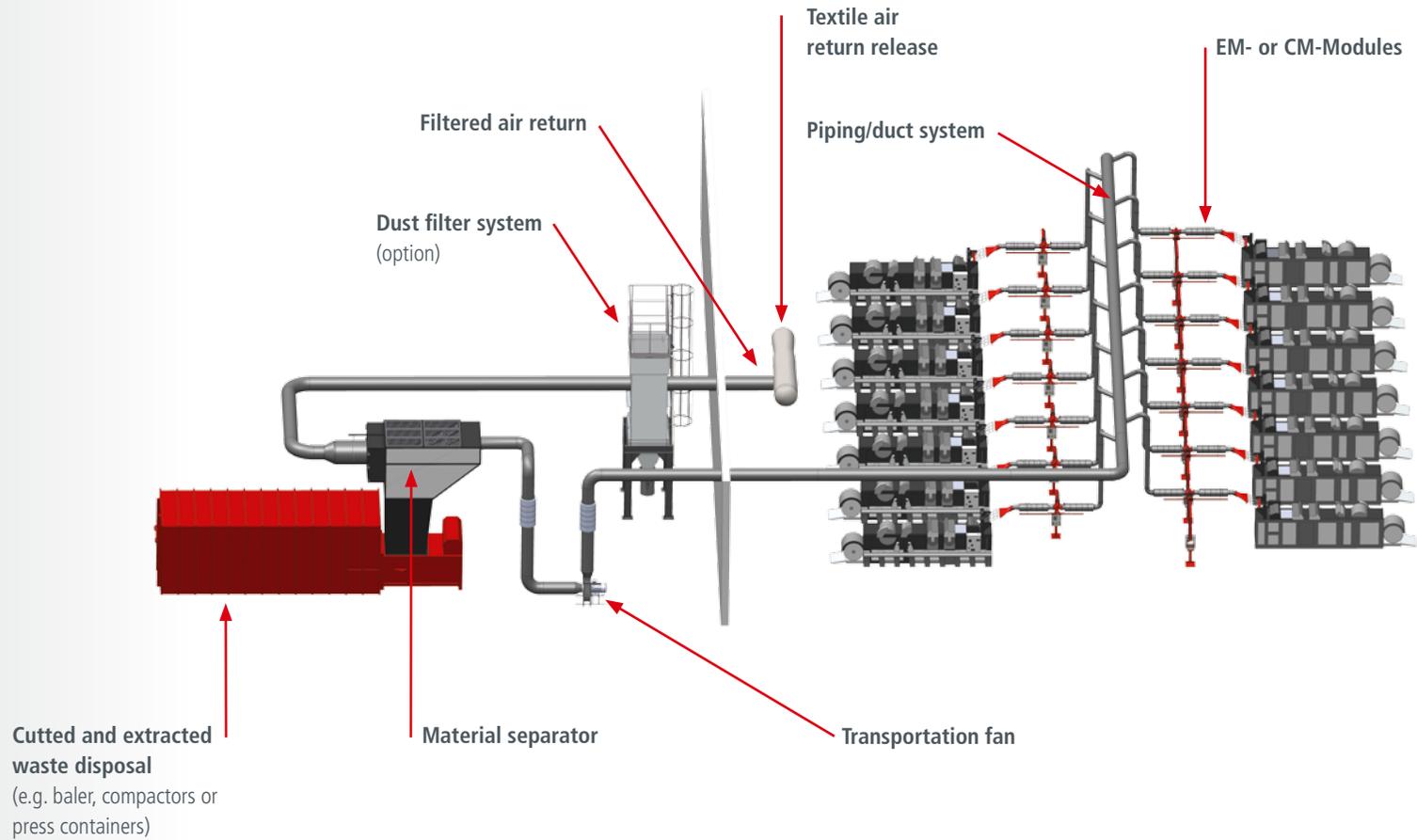


### Application:

Central waste removal system for matrix machines into a compactor/press container

Solution: **Cuttopress CP-6000**

## Cuttopress systems: General system function



## Typical applications in industrial production:



Application: Matrix removal system into a press container including an air-return-system

Solution: **Cuttopress CP-6000**



Application:

Waste extraction system for five matrix machines into a baler

Solution: **Cuttopress CP-4000**



Application:

Outside system of a large label matrix removal system

Solution: **Cuttopress CP-6000**



Application: Large matrix removal system for ten machines including a baler

Solution: **Cuttopress CP-4000**



Application:

Extraction system for different high-speed slitters into a special customer bin

Solution: **Cuttopress**



Application:

Waste removal system using customers' press container

Solution: **Cuttopress CP-6000**



## Benefits of the Cuttopress family products:

- Maximum speed of the production machine possible
- Reduction of waste volume thanks to the integrated cutting unit
- Therefore less disposal costs, as volume is smaller and less container changes
- Waste separation option enables customer to recycle materials
- Extraction of irregular shaped matrix forms at higher production speeds
- Less stops of the production line, as waste is continuously extracted and no matrix breaks
- Reduction of labour costs, as nobody has to take care of the waste
- Less material costs, as customer can reduce the trim width to a minimum (narrower label stock)
- Increased cleanliness
- Improved production process (24/7 non stop production)
- Increased operational work safety (no heavy matrix rolls lifting)

## Subsystems of the Cuttopress family:



Dust filter system FS-7000

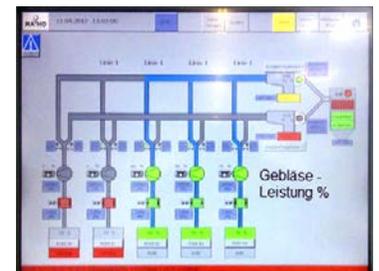


Dust filter system FS-9000



Air return system: textile air return release

Electro-pneumatically valve system (PLC controlled)





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