

Presona®



Presona AB is one of the world's leading designers and manufacturers of balers with prepressing technology for efficient baling of the most varieties of material from paper and plastic to household and industrial waste. The product range also includes pneumatic waste extraction systems for the graphics industry, paper and packaging manufacturers and sorting plants for household waste.

The company is based in Tomelilla in southern Sweden close to the continent. The head office and factory are housed in modern airy buildings in which the working environment has been prioritized. We have an efficient production flow and cooperate with established suppliers in order to ensure quality at every stage.

Presona's safety and environmental awareness permeates into our work. Our employees' working environment must be safe. It is paramount to us that the equipment we supply always offers the customer the greatest possible security.



Turn your waste into money with the



Presona Waste Handling System

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Rational waste handling with Presona

Presona Waste Handling Systems for full utilization of production resources

Your production process most probably involves a very high degree of automatization. It also, inevitably, involves the occurrence of waste in the form of edge trims, web- and matrix waste, mackle and very often dust. The production waste is typically considered an undesired side effect, stealing both time and money from your core business.



Let us help you to manage your waste issues effectively by means of our waste handling system. Our solution will add a degree of automatization to your waste handling system to level with your production apparatus. Our system will, once and for all, solve your internal waste problems, reduce your manual and labour-intensive procedures and the need of space taking bins or trolleys.

The system

The Presona waste handling system seizes the waste at source and conveys it, either via a conveyor belt system or through a pipe line system, normally hang-mounted on the ceiling, to a compaction unit. A typical system contains a pipe line system with suction units at the waste production points.



Suction mouth piece



Piping components



Transport fan

The waste is transported through the pipes by a fan system. Trims or cut-offs with overlength can be chopped in a chopping fan. The material flow is lead through a material separator where the waste material is separated from the dust-laden air. The waste material falls down into a compactor or baler, depending on the material volumes and/or on the prevailing waste management system.



Material separator



Compaction unit (baler)



Dust filter

The dust-laden air passes through a filter where the dust is filtered and separately collected. The filtered, clean air can be led back to the production premises in order not to waste already heated air.



Some of the advantages you will benefit from by investing in our waste handling system

Your waste handling will go from a manual, labour-intensive process to an automated process integrated with and controlled by your production apparatus.

Rational handling The rejects are collected at the source by means of a pneumatic extraction system. The material is extracted through suction hoods to a pipe line system with an integrated material separator for separation of dust and air. The dust-free material falls down into a compactor or baler.

Better working conditions A dusty environment is bad for both man and machine. The problems with dust emission from die cutters, milling machines, slitters and other processing machines are eliminated with the closed extraction system. The conveying air is fed through a filter for maximum cleaning.

Energy saving The filtered and dust-free conveying air is typically led back to the production room but can also be used to heat store rooms or office premises. To re-use already heated air means a better use of energy.

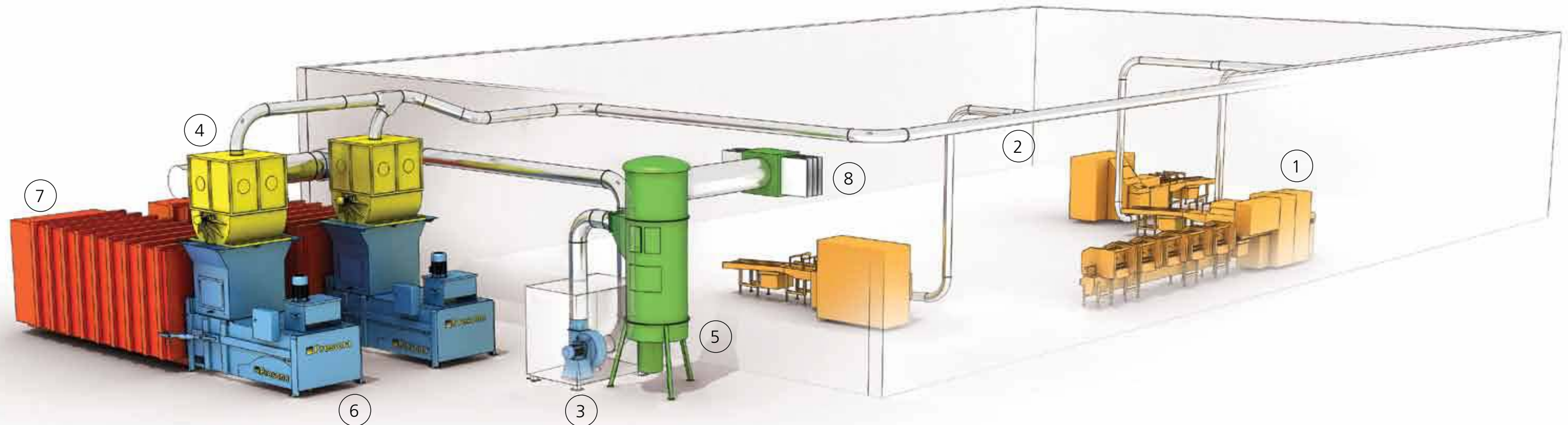
Material recovery Our waste extraction system transforms the rejects into a recyclable resource.

Tailor made Our waste extraction systems include a number of accessories and variations to meet the individual requirements of every customer.

Total economy The Presona turn-key system will save money and solve your waste problems once and for all. Expensive production premises can be fully utilized as the waste extraction plant can be placed outdoors.

Contact Presona for further information about our waste handling systems. We look forward to analysing your waste handling issues to see how we can solve your problems in the best possible, rational and cost effective way.

Presona offers the total solution – from identifying your requirements to the turn-key system



- 1. Processing machines**
(trimmers, stitching/folding machines, glue binders, die cutters etc.)
- 2. Pipe line for material transport**
Dimensioning depending on material flow and transport distance.
- 3. Transport fan**
With or without sound box depending on placing. The fan can be equipped with knives for cutting of trims with overlength.
- 4. Material separator**
For separation of solid material from the dust-laden air. The material falls without pressure into the compaction unit and the air moves through the air lock to a filter.
- 5. Dust filter**
Separates the dust from the air. The dust falls down in a container or a briquetting press placed under the filter.
- 6. Compactor (or baling press)**
The dust-free material is compacted into a closed container, or processed in a baling press depending on material volumes or the customer's specific requirements.
- 7. Container**
Contains the solid, compacted rejects - now an attractive commodity.
- 8. Air outlets**
The dust free conveying air can be led back to the production premises or be used for heating of storage rooms etc.