



A cleaner world – a rewarding business

The world population is increasing day by day. We have become accustomed to a very high standard of consumption, more products, new products. We are squandering the natural resources of the earth.

The quantity of used material is also increasing at an alarming rate and with it, the problem of handling this waste. How can we solve the problem of managing the world's growing mountain of unsorted garbage to minimize its effects on our fragile environment?

The answer is global cooperation. We must identify and apply solutions to this problem which are economically acceptable and will remain effective far into the future.

This is where Presona in Sweden can be an invaluable collaborating partner. The Presona company is specialized in designing customized, cost-effective, turn-key installations for waste handling and garbage baling.

Make use of waste material as a valuable resource!

Sorted, baled waste should be viewed as a resource, not a problem. Much material previously considered worthless and expensive to dispose of can be reclaimed and used in new products.

Waste can also be processed and used as a source of energy in district heating plants. The wrapping of bales in plastic means that they can be stored outdoors. The volume of storage space required is reduced and the handling of waste in storage and transport is rationalized.

Presona is one of Europe's leading enterprises in the field of balers. For more than 30 years, Presona has developed and produced fully automatic balers for baling most recyclable materials, from waste paper, plastics in different forms, aluminium cans and domestic garbage to industrial waste.

From a waste problem recognized to a cost-effective disposal system

Presona has long experience of designing waste handling installations in a great variety of environments. The know-how gained over the years enables the company to offer each customer an optimum solution – with respect to individual components and the entire system.

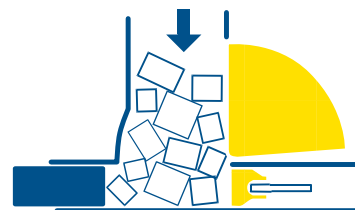
A total solution in this connection means that Presona assumes responsibility for the complete contract, from project planning and design to erection, introduction and service. The customer receives an installation, ready for operation at the turn of a key – a turn-key project in the true meaning of the expression

Presona's unique prepress system

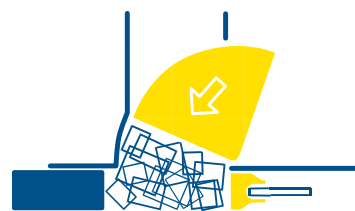
Presona closely follows technological developments to ensure that no opportunity is missed of improving its products. An example of Presona leading the field is the unique prepress system developed by Presona and now incorporated in all its balers. For example, the use of shears, which is customary in traditional balers, is eliminated in the prepress system. This innovation gives even more reliable operation – it reduces wear of vital parts and minimizes the consumption of energy.

Our latest development is the introduction of an automatic device for binding bales of waste to be burned with a combustible strap. This eliminates the difficulties which may be caused in the combustion furnace by an accumulation of steel wire ties.

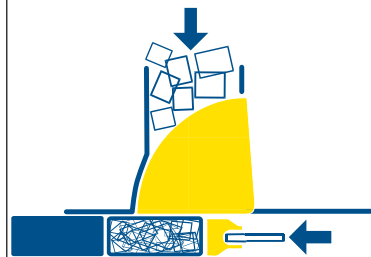
This is how our prepress operates



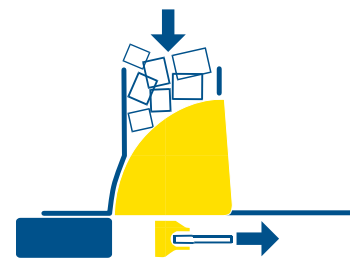
The pre-press and the main press in their starting positions. The press chamber is full.



The pre-press forces the material down into the press chamber.



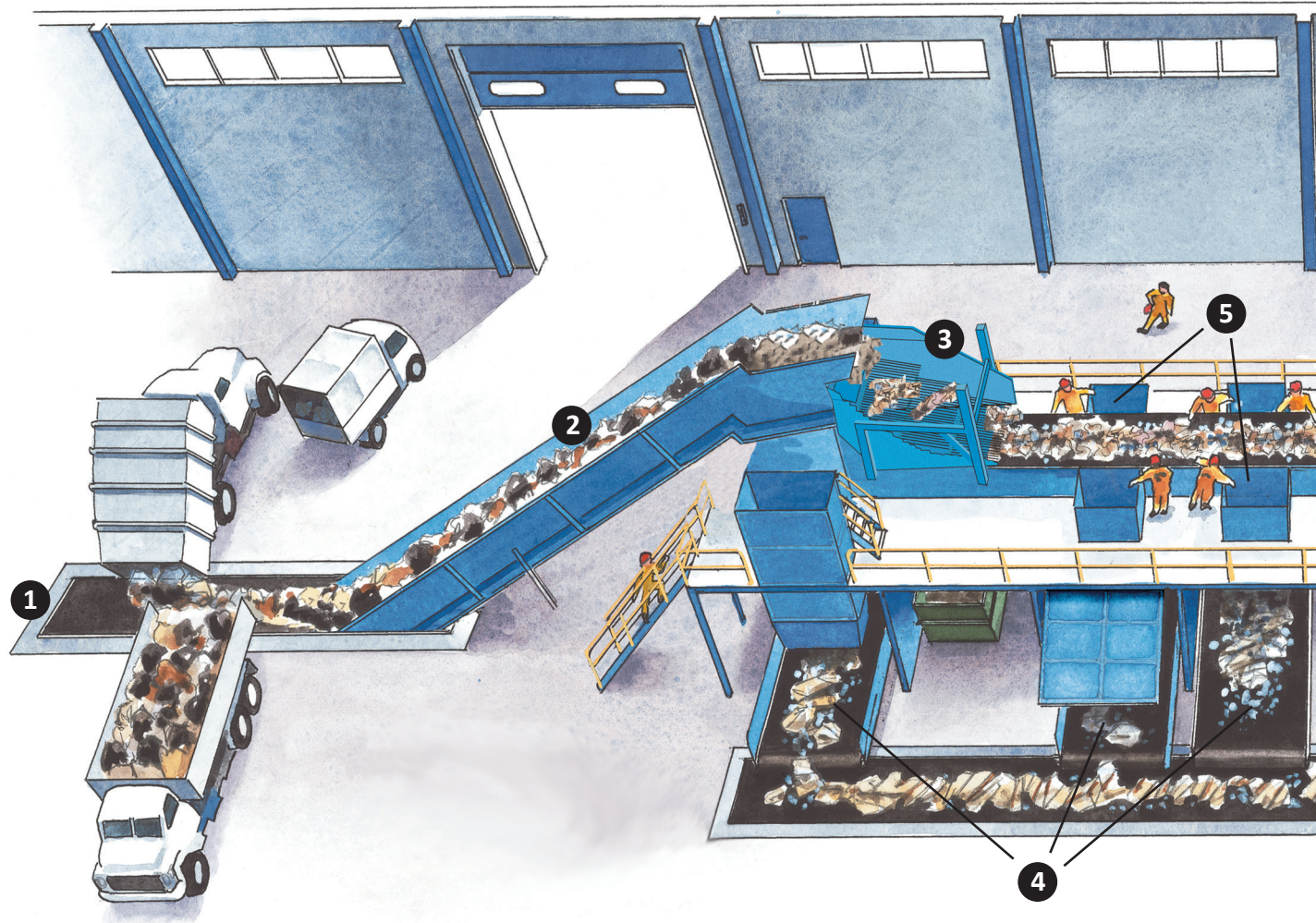
The main press compresses material with maximum pressure. The conveyor continues to feed material to the hopper.



The strapping cycle begins when the preset bale length is reached. The main press continues in operation.



The prepress opens and the material stacked on top of the pre-press falls down into and fills the press chamber.



1. Receiving Conveyor + Bag Opener

The waste arriving from different sources, municipal cleaners, industrial areas, local garbage collection companies, is tipped on the receiving conveyor. A bag opener can be placed here in which waste bags are opened and emptied. The waste is transported onto the feeding conveyor.

2. Feeding conveyor

The inclining conveyor belt transports the waste to the pre-sorting station

3. Vibrating Screen

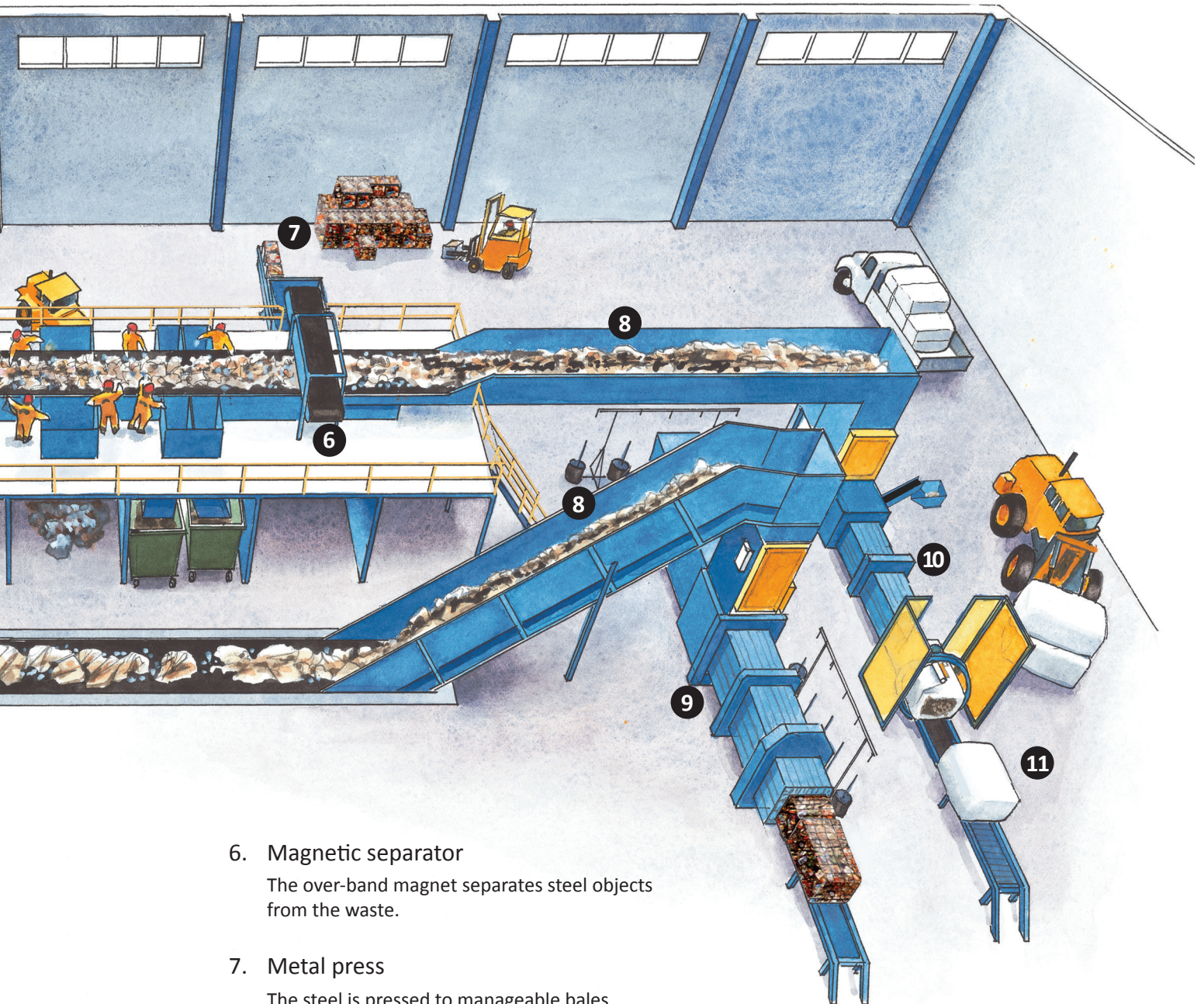
The vibrating screen separates the small pieces to make the manual sorting easier.

4. Bunker conveyors

The bunker conveyors feed the sorted fractions to the baler's feeding conveyor.

5. Sorting stations

The number of required fractions to be sorted determine the design of the sorting platform and stations. The different fractions are manually sorted and dropped in the bunker chutes.



6. Magnetic separator

The over-band magnet separates steel objects from the waste.

7. Metal press

The steel is pressed to manageable bales.

8. Feeding conveyor

After sorting the material is fed to the balers.

9. Baler for recyclables

Compacts the different fractions to dense bales. The baler is equipped with a quick-select function for high-efficient and easy baling of different materials

10. Baler for garbage

Bales the residues after sorting. The baler can be equipped with a small conveyor under the tying unit for continuous cleaning of spillage under the needles.

11. Wrapper

Wraps the garbage bales in plastic film. The wrapped bales are air-, water- and vermin proof and can be stored outdoors.



SIDE VIEW BALER 3 WITH FEEDING CONVEYOR

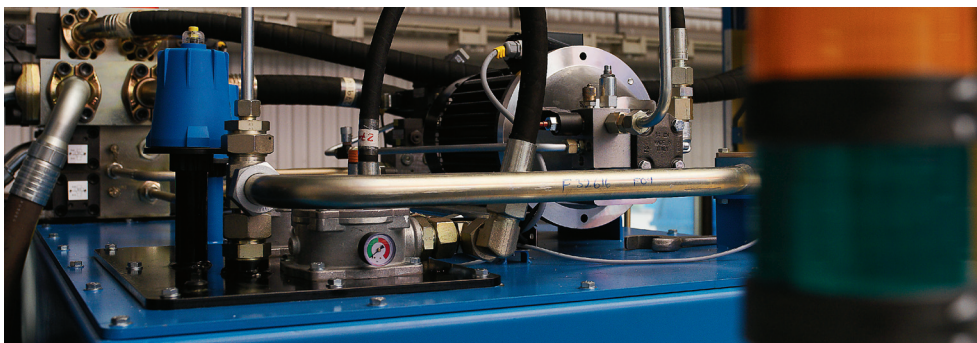
18 SIDE VIEW SORTING LINE 2 (POSITION 1 - 5 and 14)

- | | | | |
|----|----------------------------|----|----------------------------------|
| 10 | Baler 1 | 19 | Sorting Cabin |
| 09 | Belt Conveyor – Reversible | 18 | Sorting Platform |
| 08 | Belt Conveyor | 17 | Baler 3 |
| 07 | Belt Conveyor | 16 | Chain Apron Conveyor |
| 06 | Magnetic Separators | 15 | Electrical Cabinet Sorting Lines |
| 05 | Belt Conveyors | 14 | Bunker Conveyors |
| 04 | Vibrating Screens | 13 | Belt Conveyor |
| 03 | Chain Apron Conveyors | 12 | Belt Conveyor |
| 02 | Bag Openers | 11 | Baler 2 |
| 01 | Chain Apron Conveyors | | |

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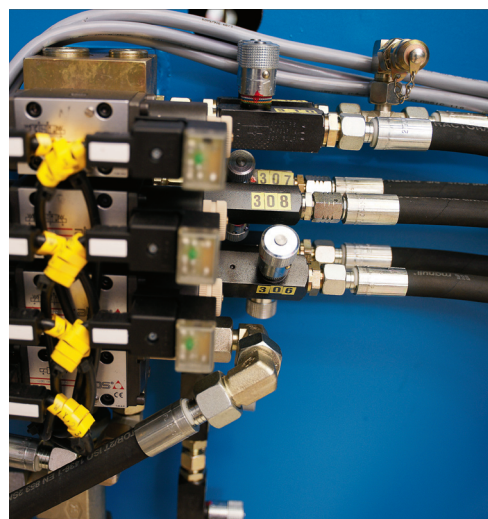
 Presona	Konstr. SN	Rollad KN	Konstr.	Strand	Grad.	Skala 1:200	Proj. 	Ersteller	Erstellt am	Dat.
	General Drawing Sorting Plant Three Sorting Lines Three Balers									
	P1-356/6800C			2007-04-11						
	Rin.-nr P1-356/6			00						



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 (for example, we paint our equipment with water-based paints). It is paramount to us that the equipment we supply always offers the customer the greatest possible security.



Presona – one of the world's leading designers and manufacturers of balers

PRESONA'S BALERS ARE (ALMOST) EVERYWHERE

Algeria, Argentina, Australia, Austria, Bahrain, Belgium, Belorussia, Brazil, Bulgaria, Canada, China, Croatia, Cuba, Czech Republic, Denmark, Egypt, Estonia, Faroe Islands, Finland, France, Germany, Great Britain, Greece, Hungary, Iceland, India, Indonesia, Iran, Iraq, Ireland, Israel, Italy, Kazakhstan, Korea, Kuwait, Latvia, Lichtenstein, Lithuania, Malaysia, Mexico, Moldavia, Morocco, Netherlands, Norway, Pakistan, Poland, Réunion, Romania, Russia, Saudi Arabia, Serbia, Singapore, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine, United Arab Emirates, USA

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