

You name it, we bale it.



FIBERS & FIBROUS MATERIALS



REDUCE  
RECYCLE  
REUSE

## who we are

### BUSINESS

We do not simply sell machines, we provide solutions! Our core business is manufacturing baling machinery for reducing the volume of materials for storage, transport or marketing purposes.

The main fields of application are: Fibers and fibrous materials, recycling materials, used clothing and wipers. This brochure focuses on the **Fibers and fibrous materials**. From this core business, we have further developed machinery for preparation and feeding before the baling machinery and bale handling systems thereafter. Our drive for exploring new markets has lead us to special projects in the rubber business, radioactive waste handling and thermoforming projects. And our problem-solving skills continue to boost innovation.

We are part of **Valtech Group**, a group of project-oriented companies. Being part of this group, allows us to offer **turnkey projects**, where you benefit from the years of experience of each of our partners.

[www.valtechgroup.eu](http://www.valtechgroup.eu)

### METHOD

Being a **project-oriented** organization, each enquiry starts with an analysis of the requirements and expectations of the customer. Together, we determine whether existing technology can be used or if we need to adapt it, to fit your needs.

A preliminary 3D design and a detailed offer help you to envision the possibilities and make a well-founded choice. Once the decision is made, a project engineer guides you through the different steps, from design, over manufacturing to installation, start-up and training.

Our qualified engineers are dedicated to intelligent design with an emphasis on production performance, operator safety, machine reliability and maintainability.

Our competent workshop staff aims to produce robust machinery, precisely manufactured and professionally finished. Our after sales team speaks Dutch, French, English and German to ensure clear communication and fast comprehension.

Advances in computer technology allow us to integrate visualization and remote support systems to assist our worldwide customers in the best way possible.

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 Ateliers  
St Eloi

 LVD

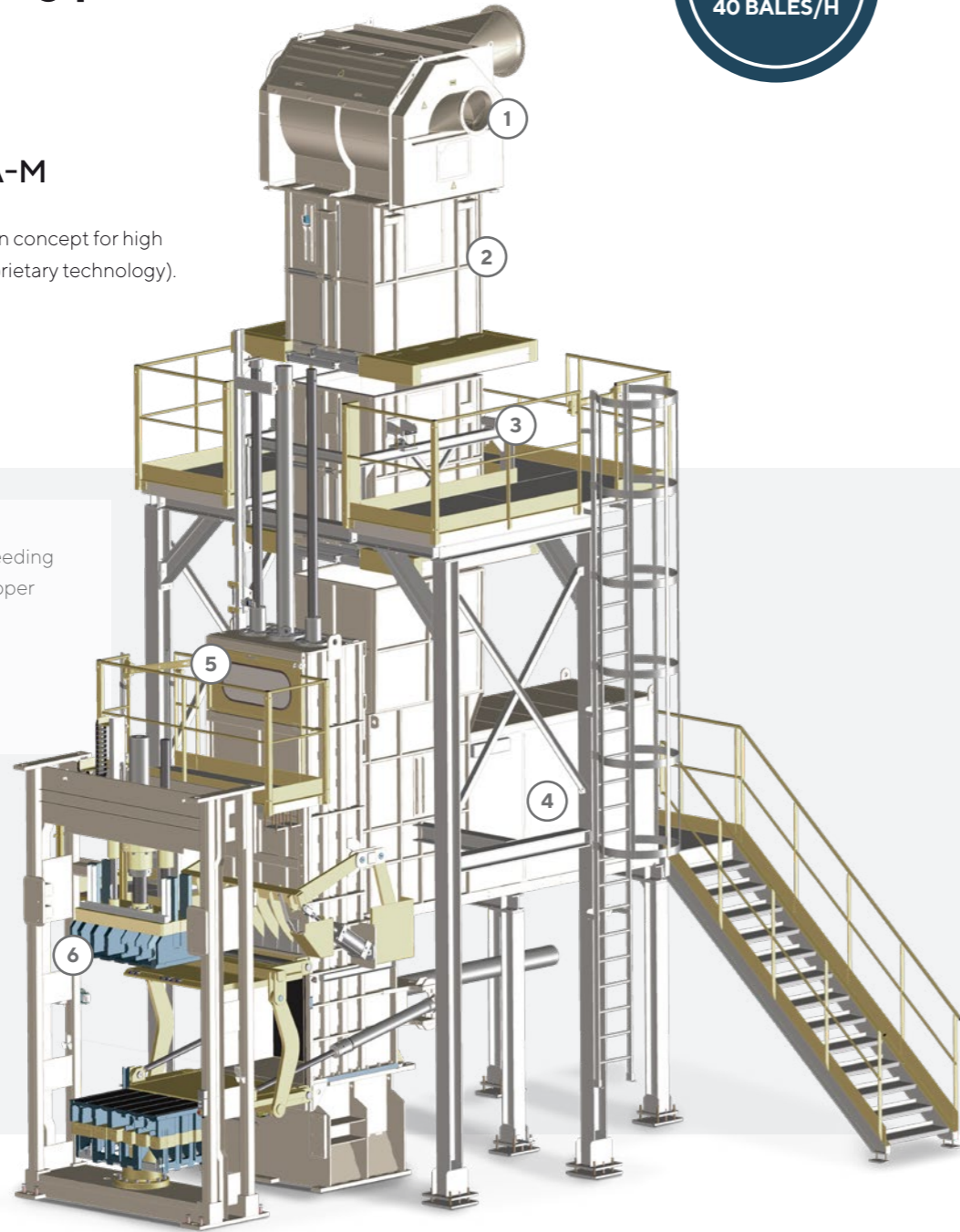
# GSA baling press

UP TO  
600 TON  
40 BALES/H

## MODEL GSA-M

A unique, well-proven concept for high capacity baling (proprietary technology).

1. Pneumatic fiber feeding
2. Dosing/buffer hopper
3. Weighing hopper
4. Loader
5. Pre-press
6. Main press



## MAIN FEATURES

- Installation completely above ground
- Reduced height and floor surface
- Less maintenance due to simple machine operation
- Easily accessible for cleaning
- Shorter stroke of the pressing cylinder
- Reduced installed power
- Reduced erection and start-up time

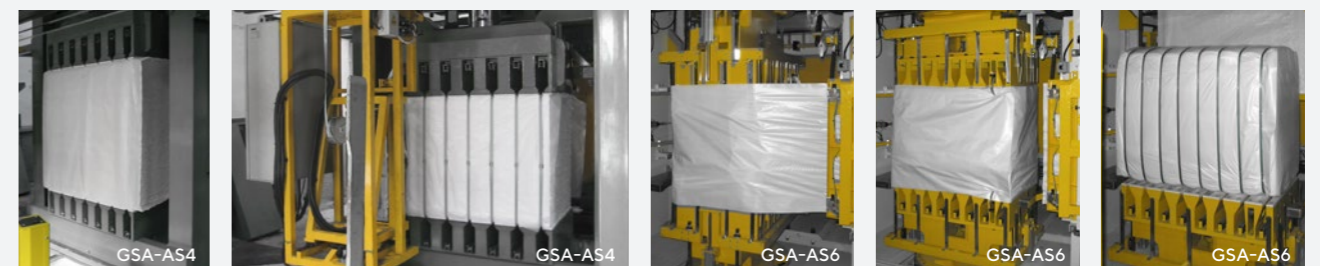
UP TO  
600 TON  
40 BALES/H

## MODEL GSA-AS4

Automatic wrapping on 4 sides & automatic strapping (proprietary technology)

## MODEL GSA-AS6

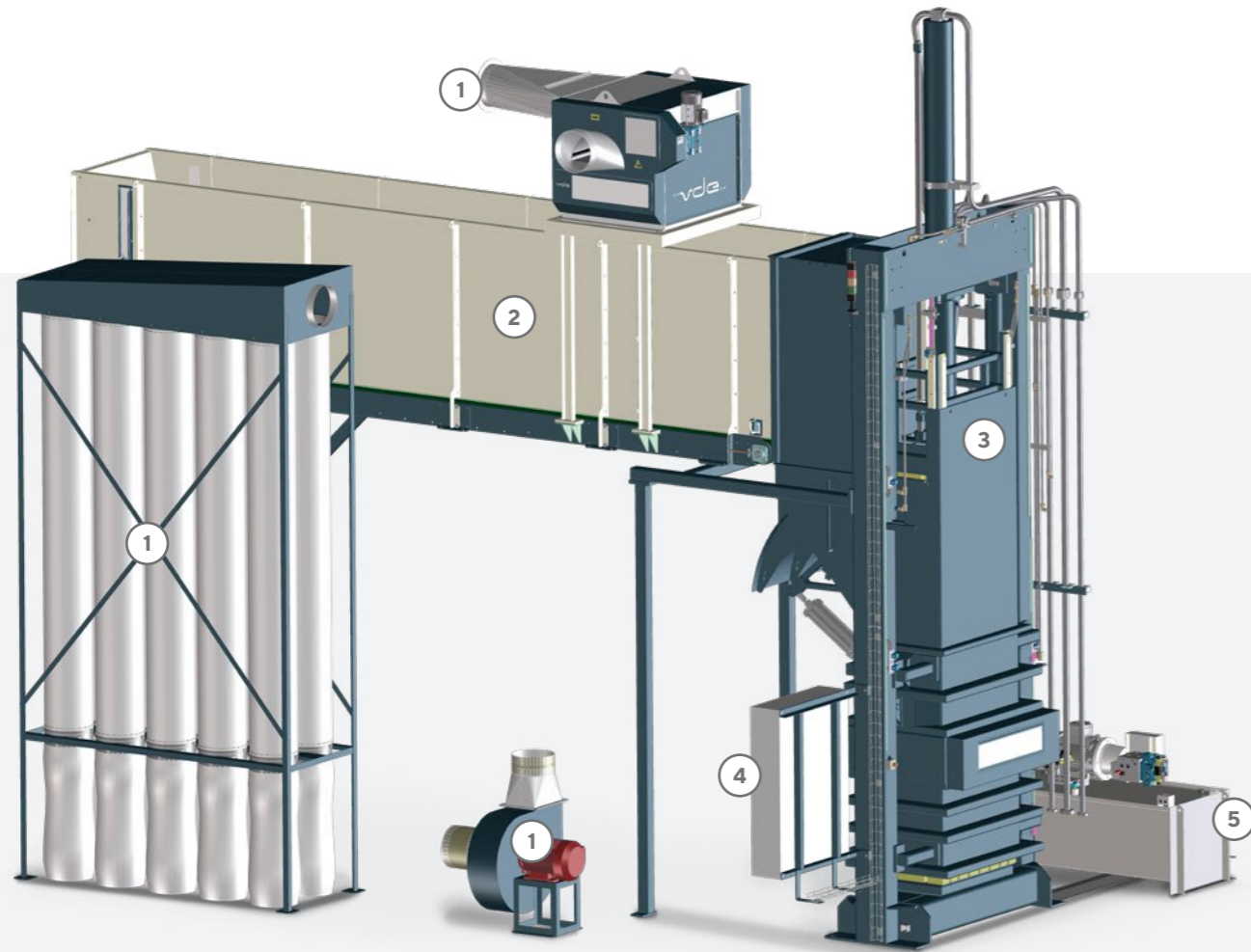
Automatic wrapping on 6 sides & automatic strapping (proprietary technology)



## Single box press

UP TO  
200 TON  
6 BALES/H

For lower capacities, single box presses are the right option.



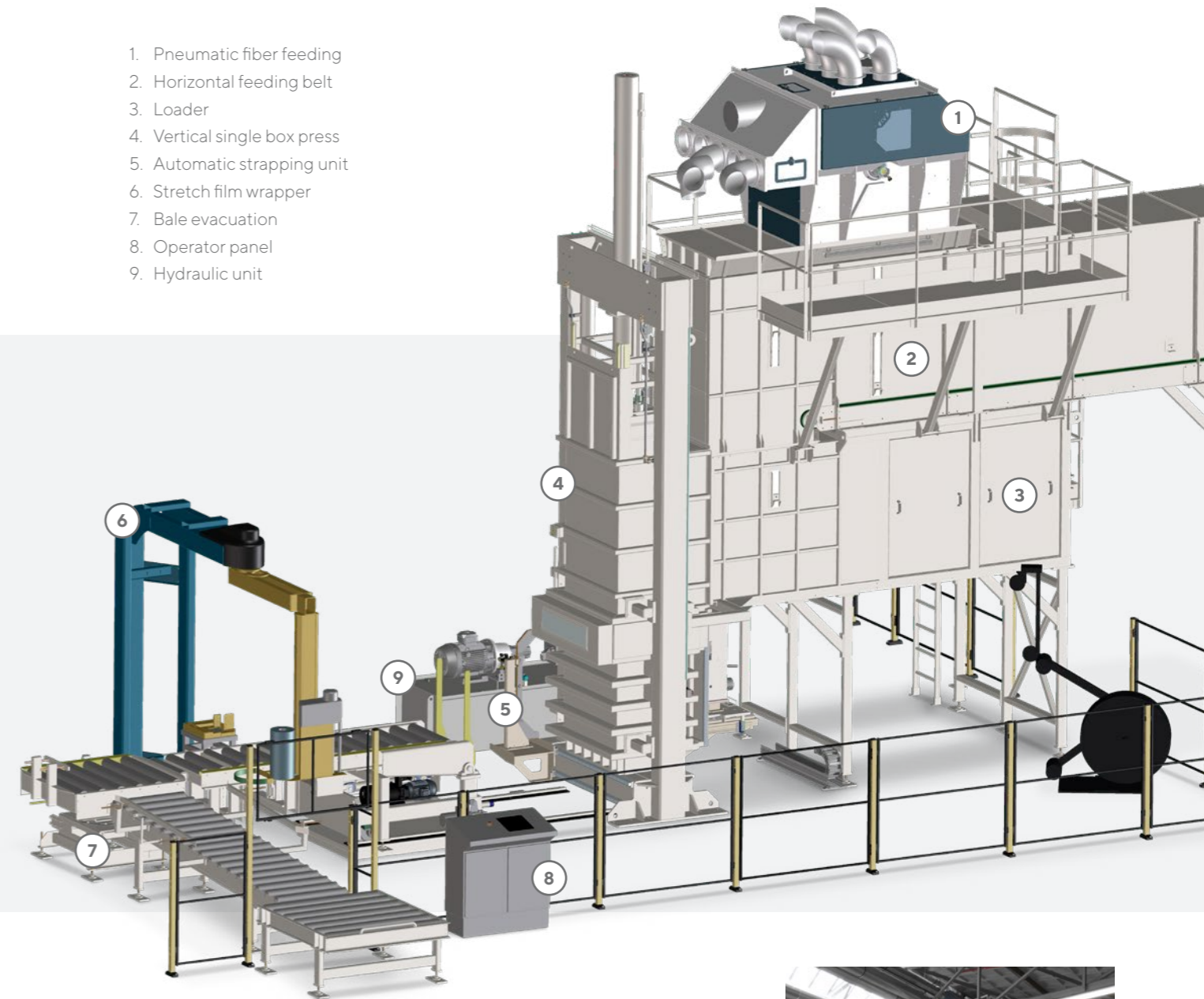
1. Pneumatic fiber feeding
2. Horizontal feeding conveyor
3. Vertical single box press
4. Electrical control panel
5. Hydraulic unit



## Single box press with loader

UP TO  
200 TON  
6 BALES/H

1. Pneumatic fiber feeding
2. Horizontal feeding belt
3. Loader
4. Vertical single box press
5. Automatic strapping unit
6. Stretch film wrapper
7. Bale evacuation
8. Operator panel
9. Hydraulic unit



### MAIN FEATURES

- Lower capacities
- Simple operation
- Low maintenance
- Several possible configurations
- Several available options: autostrap, autowrap, bale evacuation,...

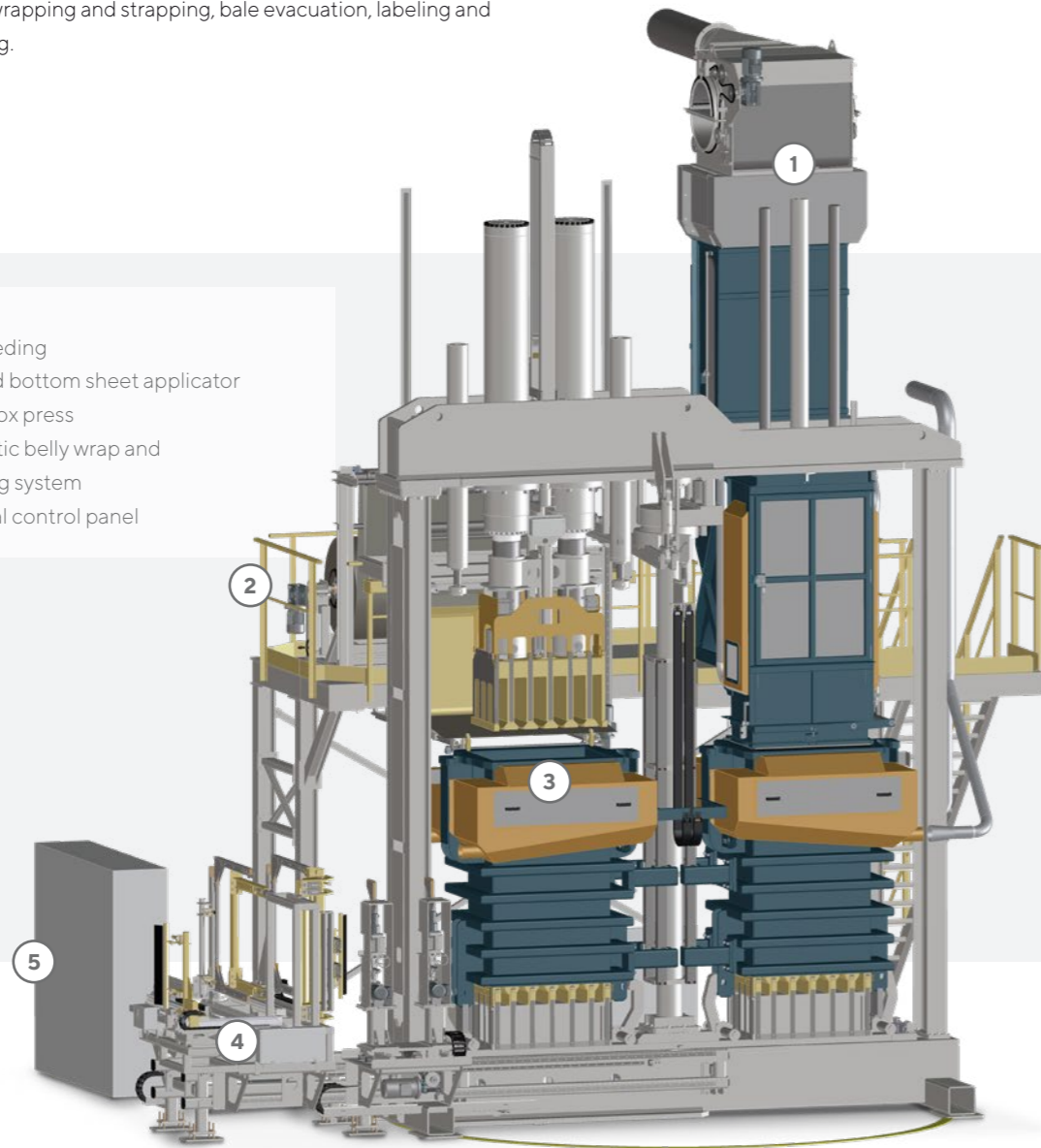


## Swivel box press

UP TO  
500 TON  
22 BALES/H

A swivel box press has a capacity up to 22 bales of staple fiber per hour. If a higher capacity is needed, we can offer a swivel box press pair. Our strength lies in supplying turnkey projects including fiber feeding, automatic wrapping and strapping, bale evacuation, labeling and warehousing.

1. Fiber feeding
2. Top- and bottom sheet applicator
3. Swivel box press
4. Automatic belly wrap and strapping system
5. Electrical control panel



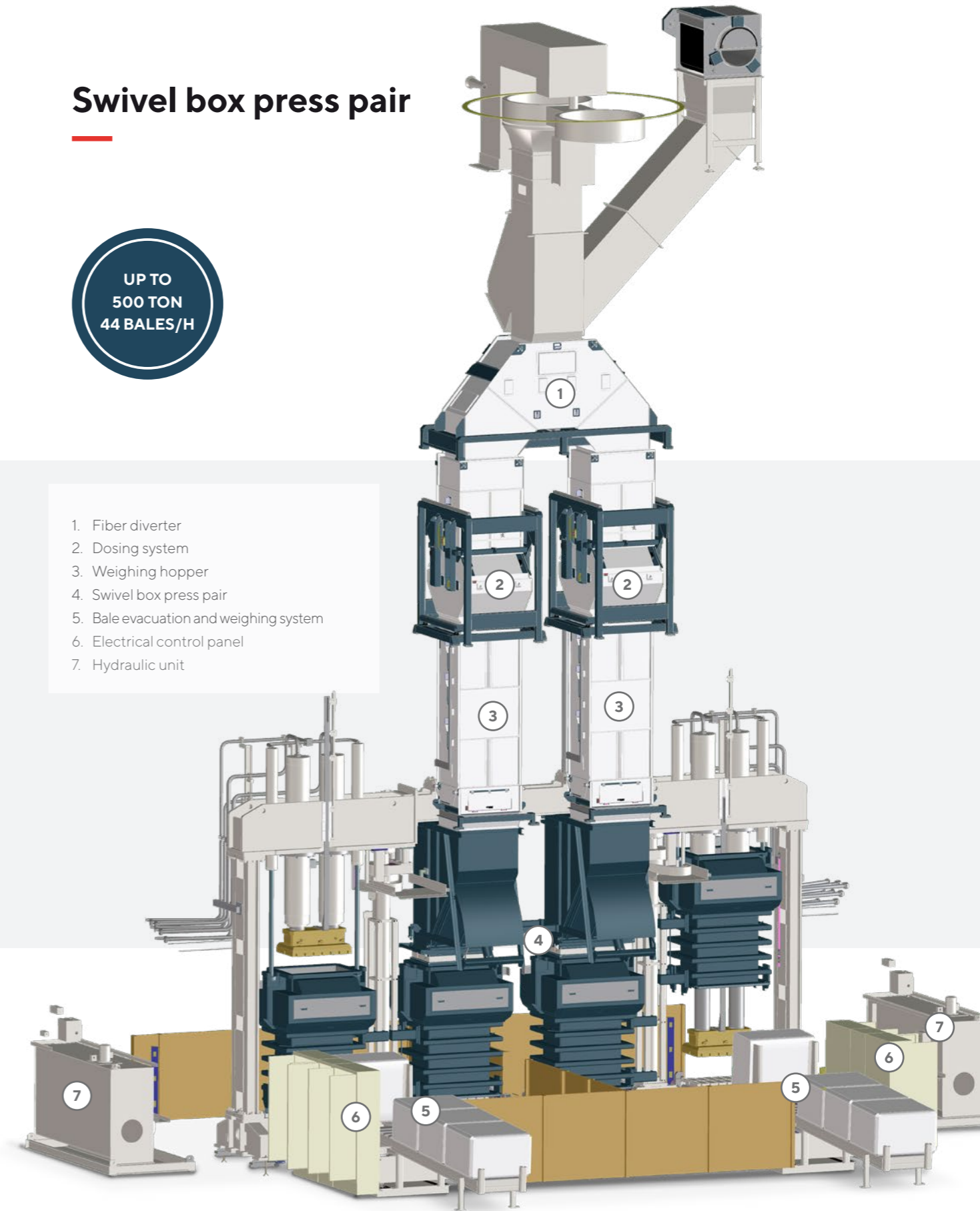
### MAIN FEATURES

- High capacities
- Continuous operation
- Low maintenance cost
- Several possible configurations
- Several available options: autostrap, autowrap, bale evacuation,...

## Swivel box press pair

UP TO  
500 TON  
44 BALES/H

1. Fiber diverter
2. Dosing system
3. Weighing hopper
4. Swivel box press pair
5. Bale evacuation and weighing system
6. Electrical control panel
7. Hydraulic unit



## Automatic wrapping & strapping for fiber presses

### AUTOMATIC WRAPPING

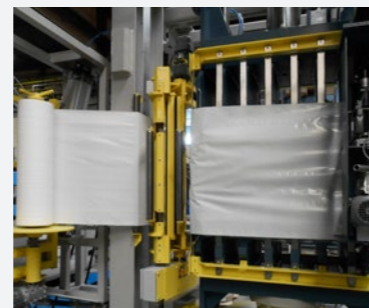
The bale is wrapped using a 3 sheet method: top and bottom sheet and belly wrap. To apply these sheets, we need:



SHEET APPLICATOR



FOLDING SYSTEM



BELLY WRAP APPLICATOR

### AUTOMATIC STRAPPING

The automatic strapping system consists of:

- Positioning system
- Strap dispenser
- C-chute
- Strapping head



STRAP DISPENSER



AUTOMATIC STRAPPING

## Automation for existing presses

It is not always possible to integrate the automatic wrapping and strapping system on existing presses. Alternatively, we can offer an offline wrapping and strapping solution, consisting of 3 main parts:



TOP- AND BOTTOM SHEET APPLICATOR



BALE TRANSFER SHUTTLE



OFFLINE WRAPPING AND STRAPPING



### MAIN FEATURES

- Less wrapping material needed
- Wrapping under the straps
- Flexibility in types of wrapping material
- Multiple strapping heads possible in function of capacity

### MAIN FEATURES

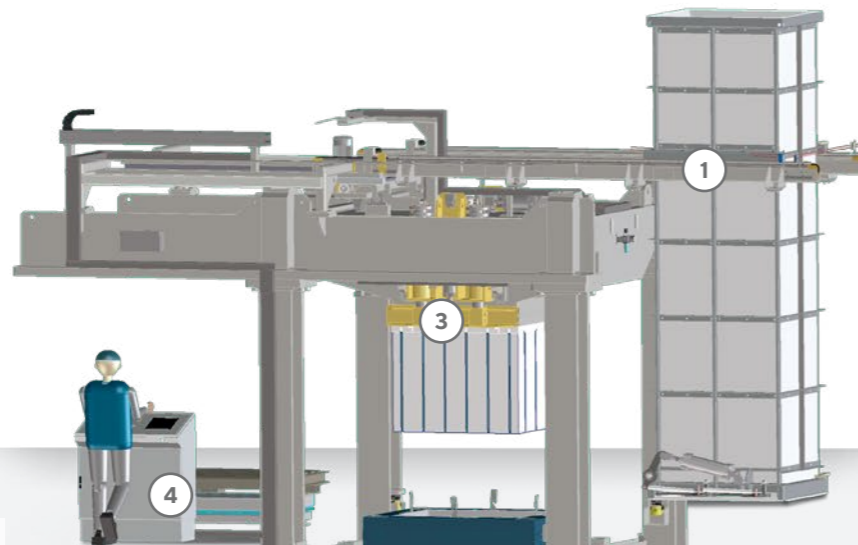
- Multiple presses can be served
- Lower investment cost than new presses
- Less space needed
- Possibility to work in phases

UP TO  
500 TON  
6 BALES/H

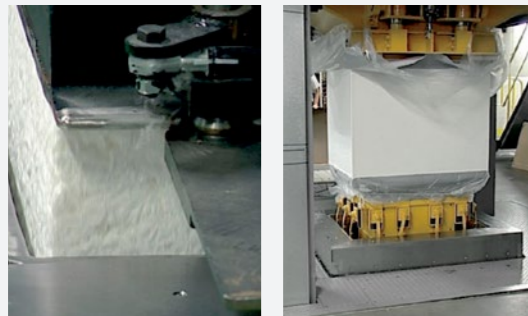
## Tow baling press - upstroke

### MODEL PH-L

This high density tow press is fed at floor level. Tow plaiters, tow cans and shuttle system can be provided.



1. Tow can feeding system
2. Upstroke tow press PH500-L
3. Integrated bale removal system
4. Operator panel



### MAIN FEATURES

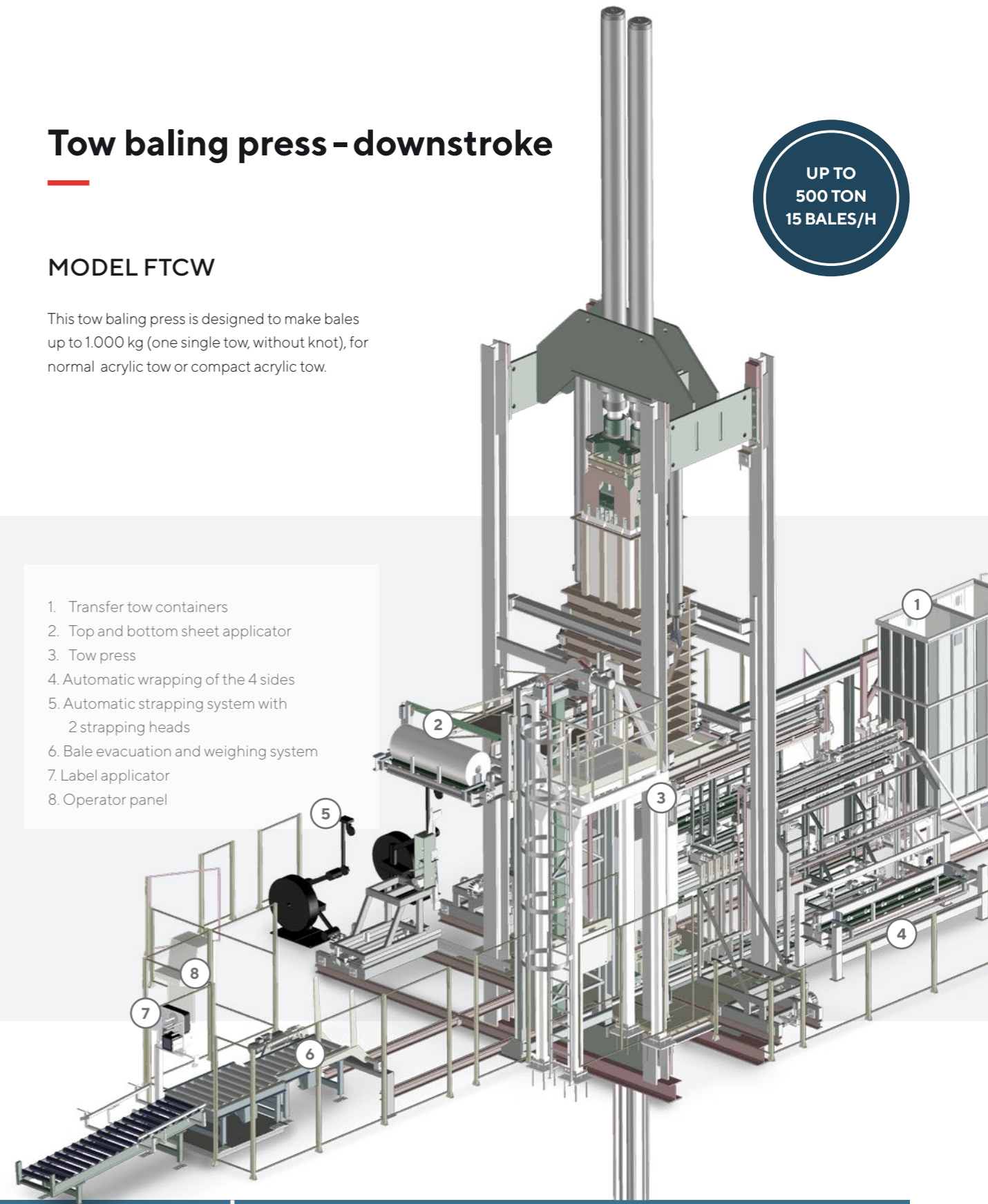
- Holes for fast air evacuation
- Special press box design to reduce the stress concentrations in the corners
- Intergrated bale evacuation system
- Reduced height of building

## Tow baling press - downstroke

UP TO  
500 TON  
15 BALES/H

### MODEL FTCW

This tow baling press is designed to make bales up to 1.000 kg (one single tow, without knot), for normal acrylic tow or compact acrylic tow.



1. Transfer tow containers
2. Top and bottom sheet applicator
3. Tow press
4. Automatic wrapping of the 4 sides
5. Automatic strapping system with 2 strapping heads
6. Bale evacuation and weighing system
7. Label applicator
8. Operator panel

### MAIN FEATURES

- Manual as well as full automatic configuration
- Intergrated bale evacuation system
- Reduced civil works

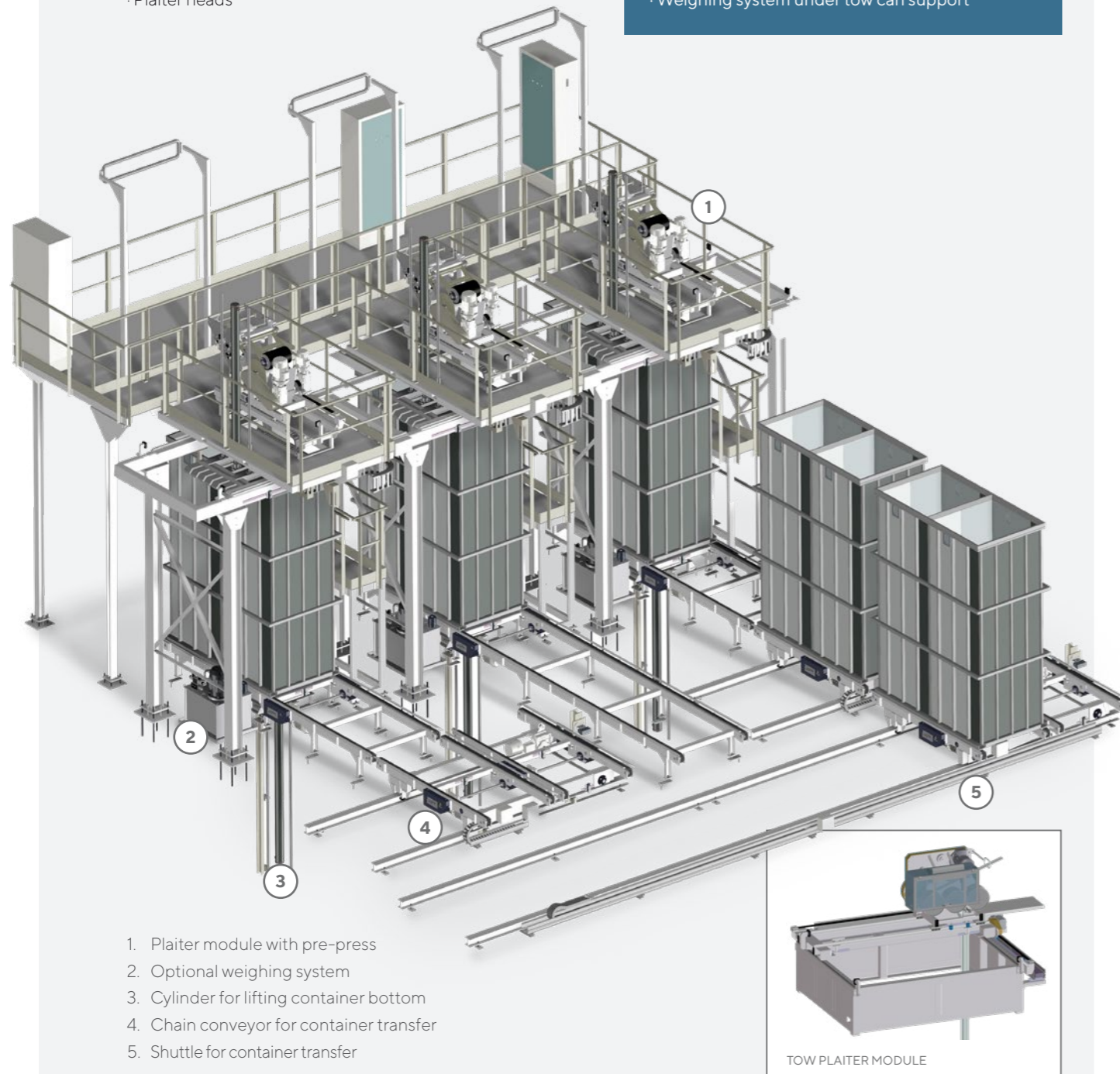
## Tow plaiting equipment

Besides the tow baling press we can provide complete systems for tow plaiting including:

- Tow container
- Tow container transfer systems (shuttles)
- Plaiter heads

### OPTIONS

- Movable bottom plate of tow can
- Pneumatic pre-press
- 2 or 3 roll version
- Weighing system under tow can support



1. Plaiter module with pre-press
2. Optional weighing system
3. Cylinder for lifting container bottom
4. Chain conveyor for container transfer
5. Shuttle for container transfer

TOW PLAITER MODULE

## Cake press for dye house

### MODEL PRP

Designed to prepare loose fiber/tow for dyeing or bleaching process. The model PRP compacts the fiber/tow into a cake, positioned on a plate with chains.



### MODEL PRC

Designed to prepare loose fiber/tow for dyeing or bleaching process. The model PRC compacts the fiber/tow in a closed basket. The loading of the fiber/tow can be done inside or outside the cake press.



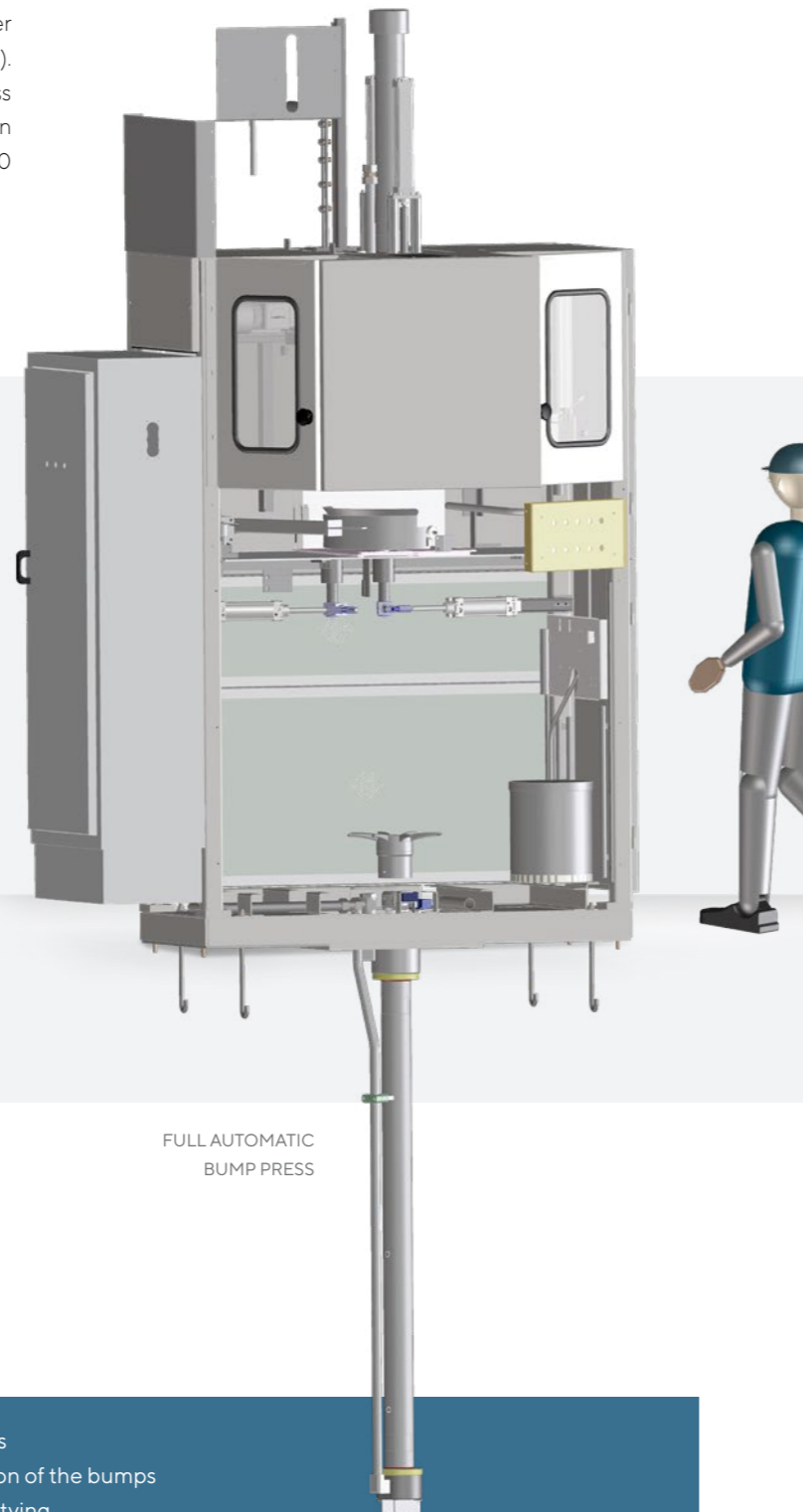


## Bump press - St Eloi

Ø400/600/800  
UP TO 45 KG  
60 BALES/H

The bump press is especially designed to press the sliver loaded inside a can. (Can diameter: 400, 600, 800 mm). Valvan Baling Systems acquired the bump press business from St-Eloi, France. The complete product range can be produced, and full service is given on the ± 2000 machines still working all over the world.

Ateliers  
St Eloi

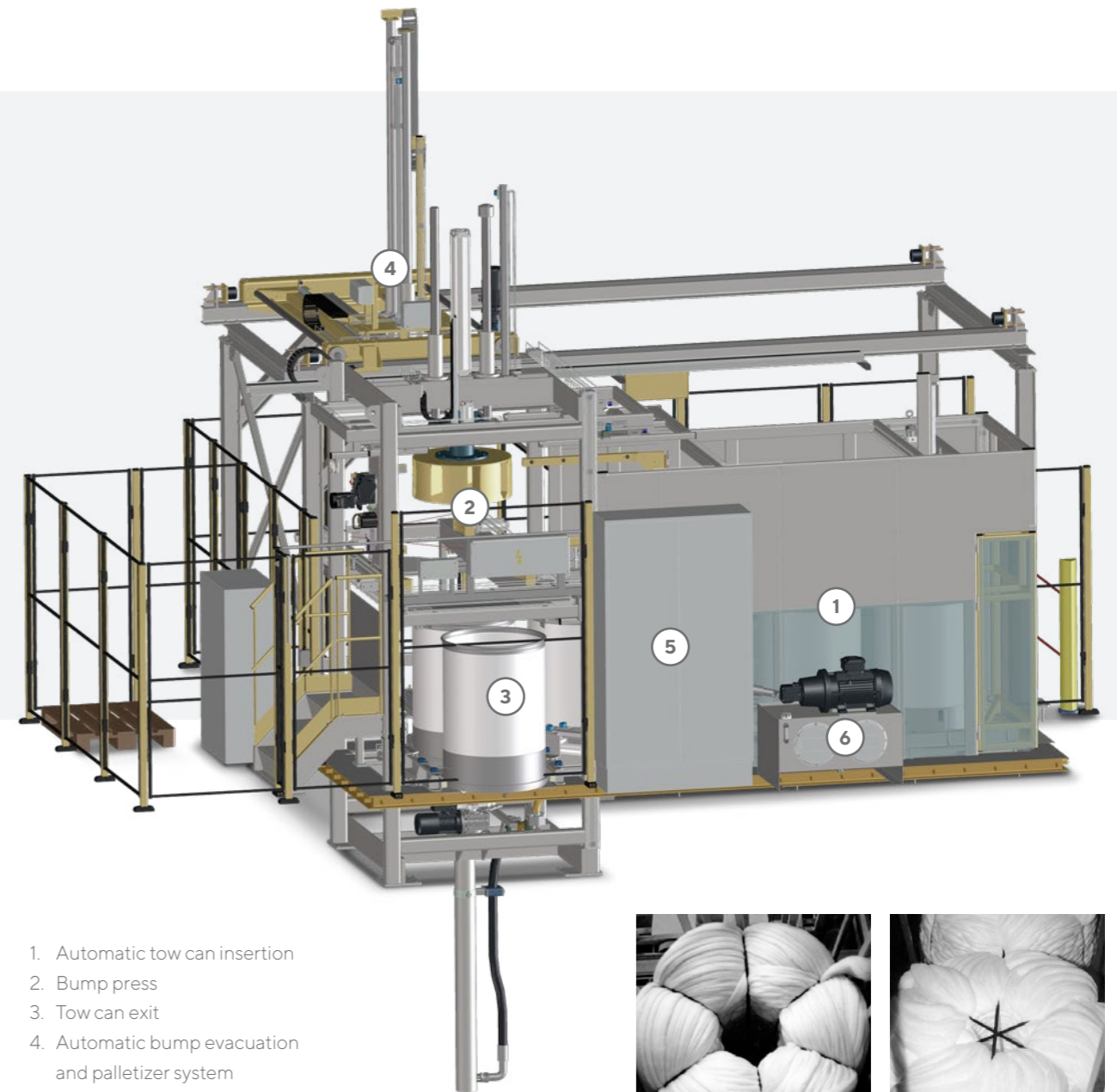


FULL AUTOMATIC  
BUMP PRESS

## Bump press - PVS

Ø400/600/800  
UP TO 45 KG  
30 BALES/H

After pressing, the bumps are strapped with PET-straps. Further automation is possible, such as an automatic palletizer system to load the bumps in special containers, an automatic transfer of the containers to the baling press. Different types of bump presses are available, depending on manual or automatic loading of the cans, manual or automatic strapping and manual or automatic bump evacuation.



1. Automatic tow can insertion
2. Bump press
3. Tow can exit
4. Automatic bump evacuation and palletizer system
5. Electrical control panel
6. Hydraulic unit



### MAIN FEATURES

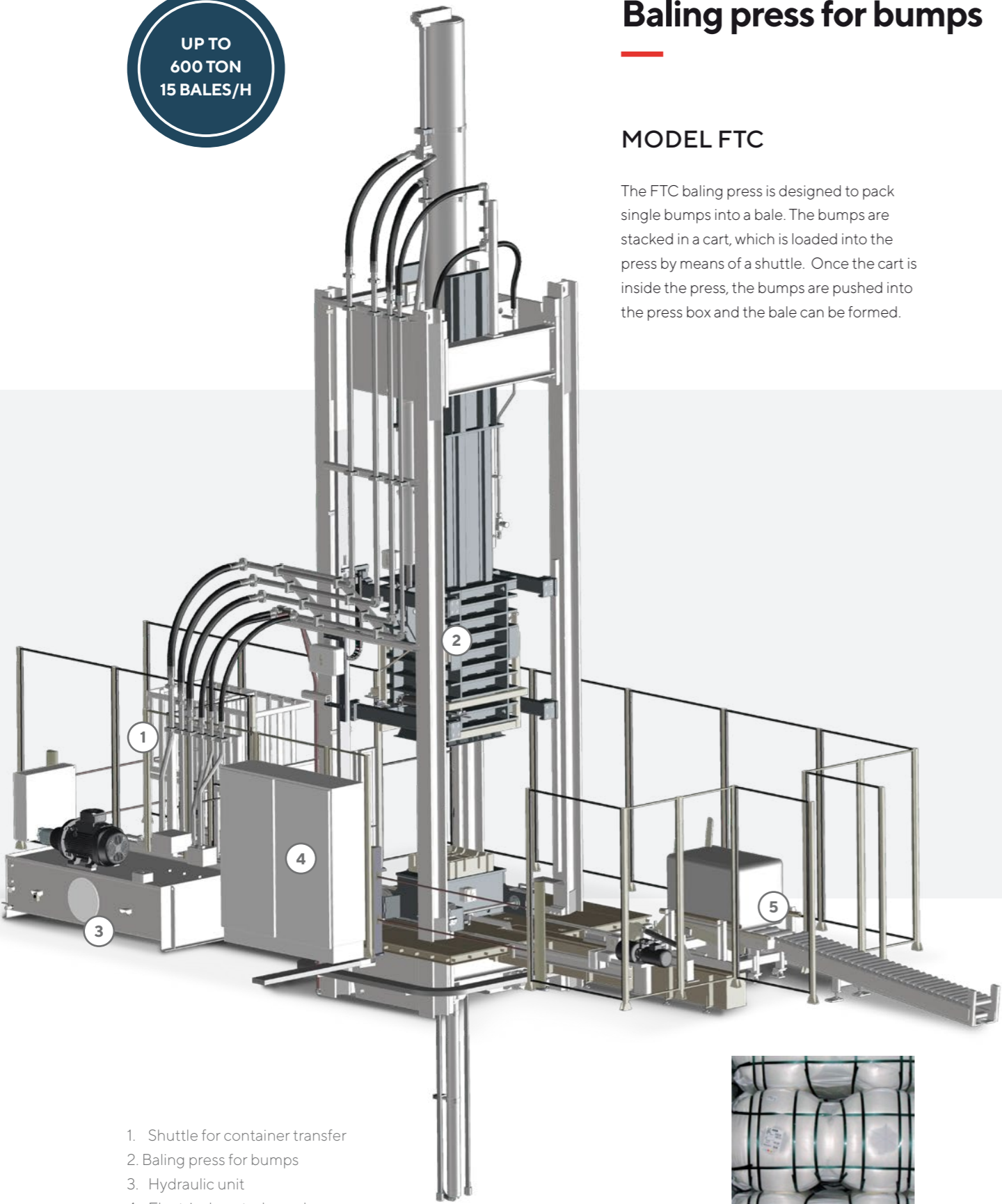
- Coupled with gills
- Automatic ejection of the bumps
- Automatic string tying
- Available in 5 and 12 ton version

UP TO  
600 TON  
15 BALES/H

## Baling press for bumps

### MODEL FTC

The FTC baling press is designed to pack single bumps into a bale. The bumps are stacked in a cart, which is loaded into the press by means of a shuttle. Once the cart is inside the press, the bumps are pushed into the press box and the bale can be formed.



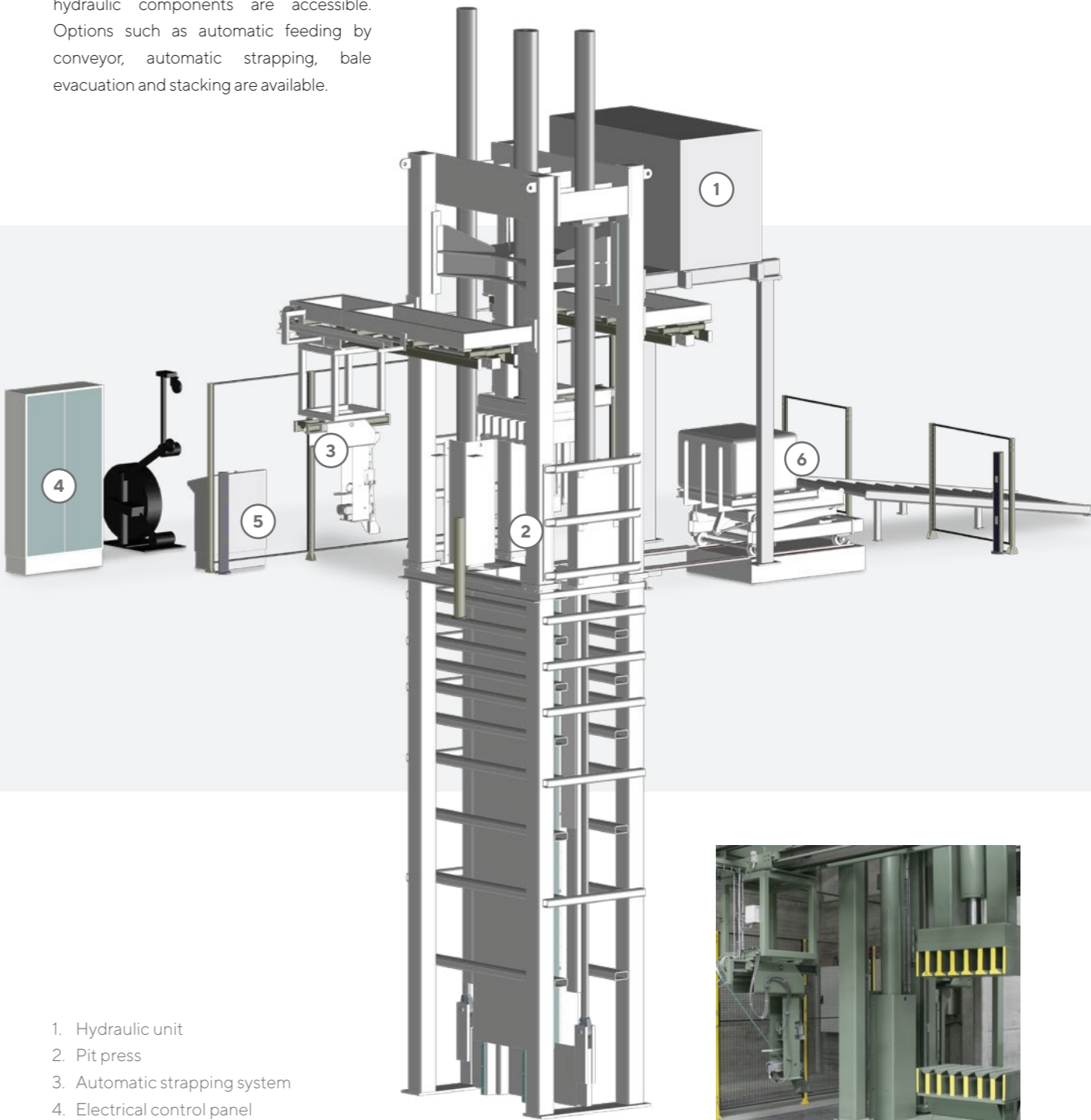
1. Shuttle for container transfer
2. Baling press for bumps
3. Hydraulic unit
4. Electrical control panel
5. Bale evacuation system



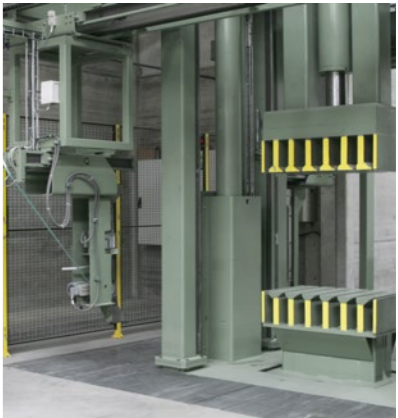
## Pit press

UP TO  
200 TON  
6 BALES/H

Especially used for bulky products. Concept without cylinder in the pit, all hydraulic components are accessible. Options such as automatic feeding by conveyor, automatic strapping, bale evacuation and stacking are available.



1. Hydraulic unit
2. Pit press
3. Automatic strapping system
4. Electrical control panel
5. Operator panel
6. Bale evacuation

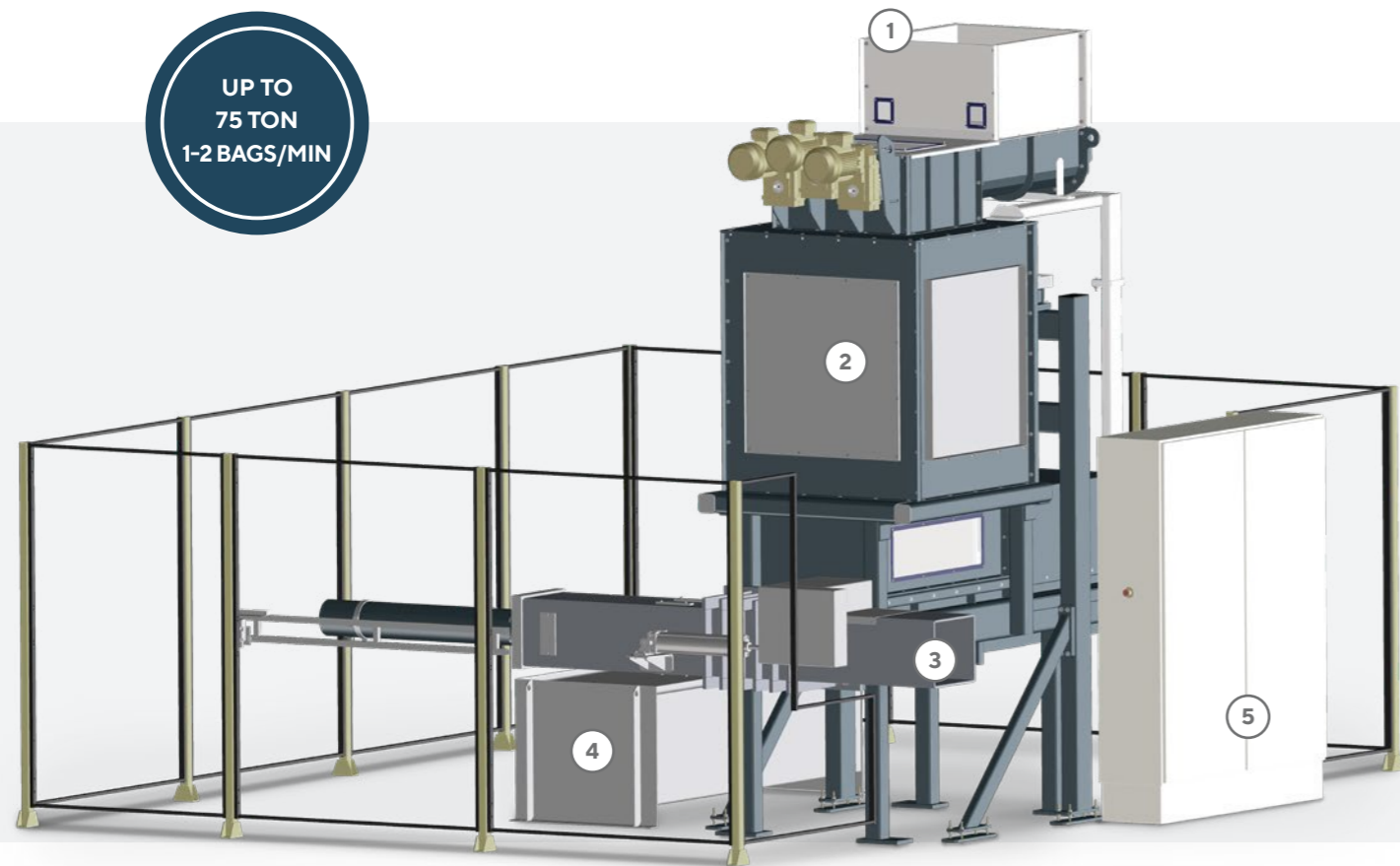


## Bagging press - semi automatic

This type of press is especially designed to put natural fibers (like shives of flax, hemp and other natural products) or short cut synthetic fibers into bags. Semi-automatic means:

- automatic feeding of the material in the press
- manual application of the bag at the exit channel

UP TO  
75 TON  
1-2 BAGS/MIN



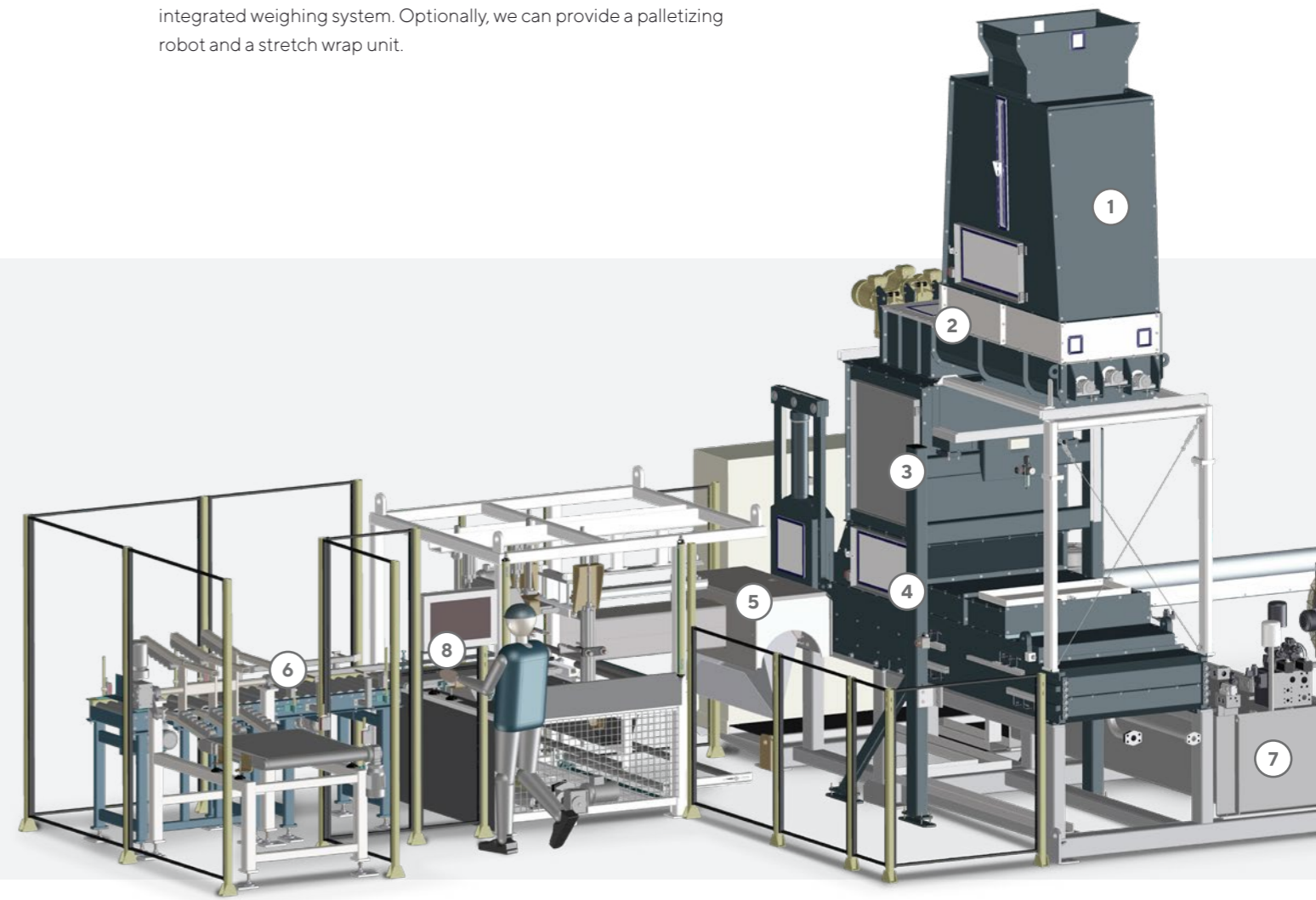
1. Dosing unit
2. Weighing unit
3. Semi-automatic bagging press
4. Hydraulic unit
5. Electrical control panel



## Bagging press - full automatic

Custom-made presses for bagging natural and synthetic fibers. Feeding by pneumatic transport or screw conveyor system with integrated weighing system. Optionally, we can provide a palletizing robot and a stretch wrap unit.

UP TO  
75 TON  
3 BAGS/MIN



1. Buffer hopper
2. Dosing unit
3. Weighing unit
4. Bagging press
5. Automatic bag applicator
6. Bag evacuation system
7. Hydraulic unit
8. Operator panel



## Peripherals

Our core business is making baling press solutions. In addition to that, we can also offer peripheral equipment to realize a total turnkey project. Some examples:



### PNEUMATIC FEEDING



CONDENSER



SUCTION FAN

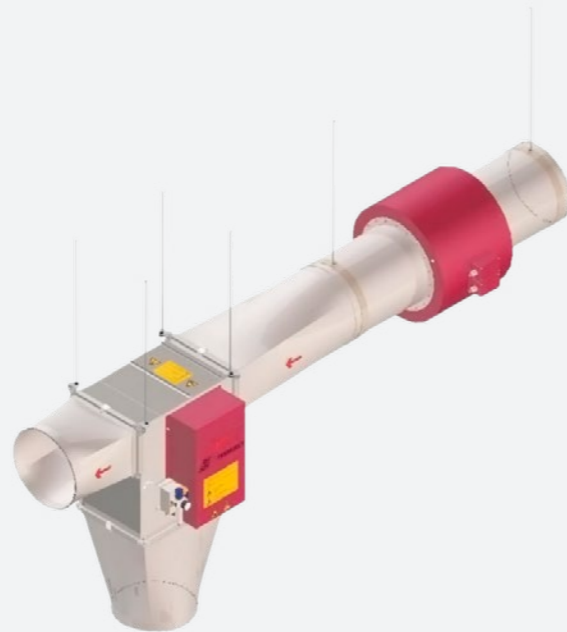


FILTER

### METAL DETECTION



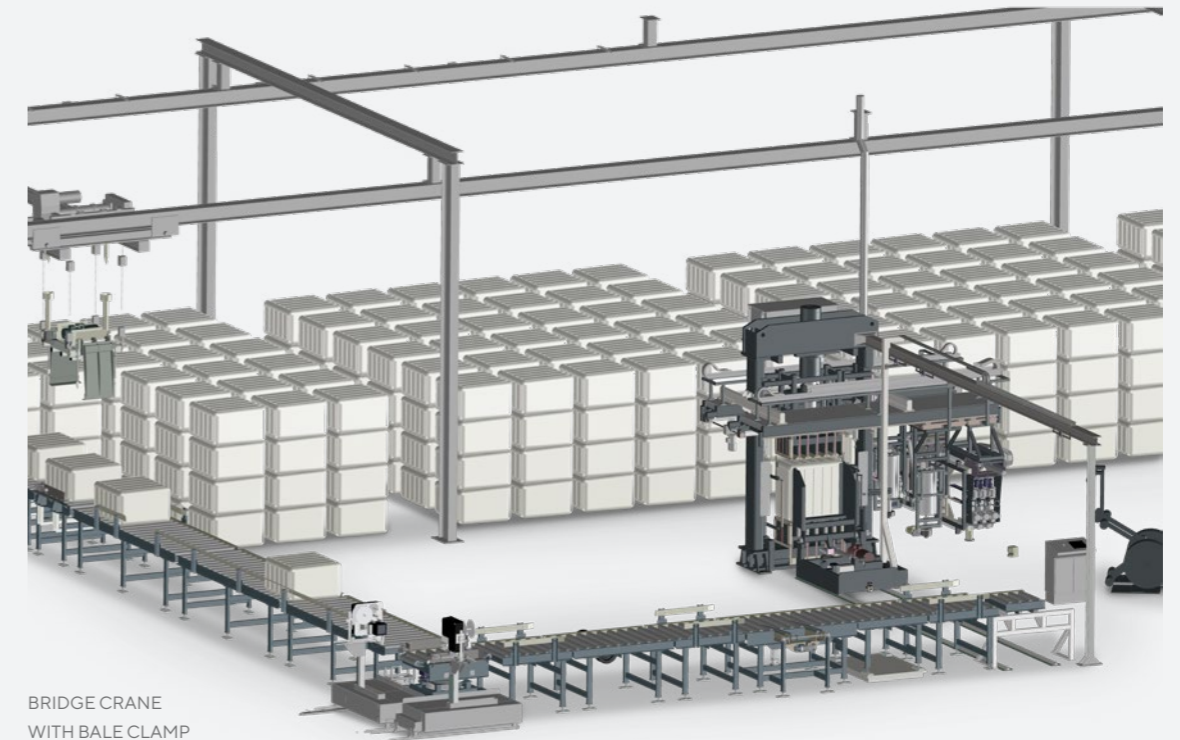
METAL DETECTOR



FAST ACTING DIVERTER VALVE

## Peripherals

### WAREHOUSE SOLUTIONS



BRIDGE CRANE WITH BALE CLAMP



WAREHOUSE

