

PL 4000H



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AUTOMATIC BAG PALLETIZING SYSTEMS ●●●

CHRONO-PAL™ PL 4000H



PALLETIZING

HIGH PERFORMANCE MODEL

PL 4000H

The palletizer **CHRONO-PAL™ PL 4000H** is constructed for highest possible palletizing performance. Special palletizing programmes and continuous in-line bag transport allow attainment of the high performance. As a result of its modular structure the machine may be easily adapted to suit different circumstances. The application of modern technology especially in the

control unit offers high operational flexibility and reliability as well as maximum ease of operation. The chief characteristic of this high level model is that during in-line bag transport layer forming is not interrupted. This leads to an output of up to 5,000 bags/hour in 10 bags per layer format or 3,800 bags/hour in 5 bags per layer format.

APPLICATIONS

The palletizer is suitable for any kind of bags, closed either by sewing or heat sealing, as well as for valve bags, independent of the kind of bag material. This applies especially where very high performance is required, e.g. in the building industries, where bags filled with cement or ready-mix need to be palletized and a high output is requested.

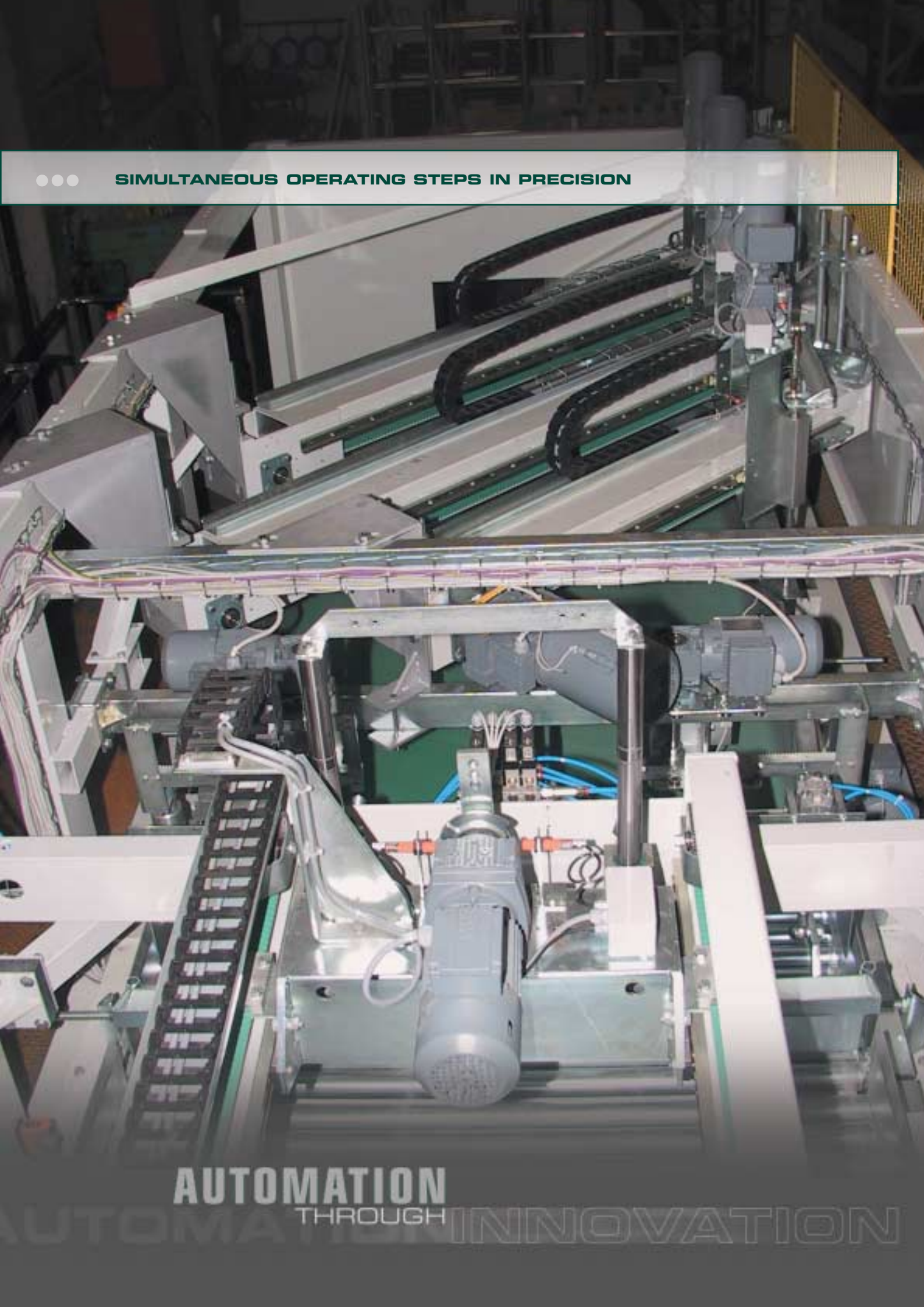


FEATURES AND BENEFITS

- Fully automatic
- Continuous operation, no stops
- High efficiency and palletizing quality
- High performance up to 5,000 bags/hour
- High flexibility
- Protection guarding and photo cells protects operation personnel
- Modular structure ensures adaptation to future requirements
- Easy operation
- For common bag types
- Little maintenance
- Automatic bag size change-over
- Possibility of varying the stop position according to the type of bag to be handled
- Low wear of the chain systems



SIMULTANEOUS OPERATING STEPS IN PRECISION



AUTOMATION
THROUGH

INNOVATION



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● ● ● FUNCTIONALITY

Continuous palletizing process for efficient use. The incoming bags are monitored and consecutively numbered by an electric eye at the infeed of the acceleration belt. As a result the subsequent processes are started according to the number thereby attaining the desired pallet pattern. After forming the complete layer is pushed to the transfer device. Even during this process further incoming bags are received

and prepared for layer forming, so there are no interruptions. With its high level of automation and user-friendly control unit, the machine may be run efficiently with a minimum operating staff. The palletizer will produce a well formed and sturdy pallet perfect for further onward transport. All the movement of mechanical device in layer forming and transfer area are driven by toothbelt with frequency converter and encoder controls.



● ● ● MODULAR DESIGN PRINCIPLE

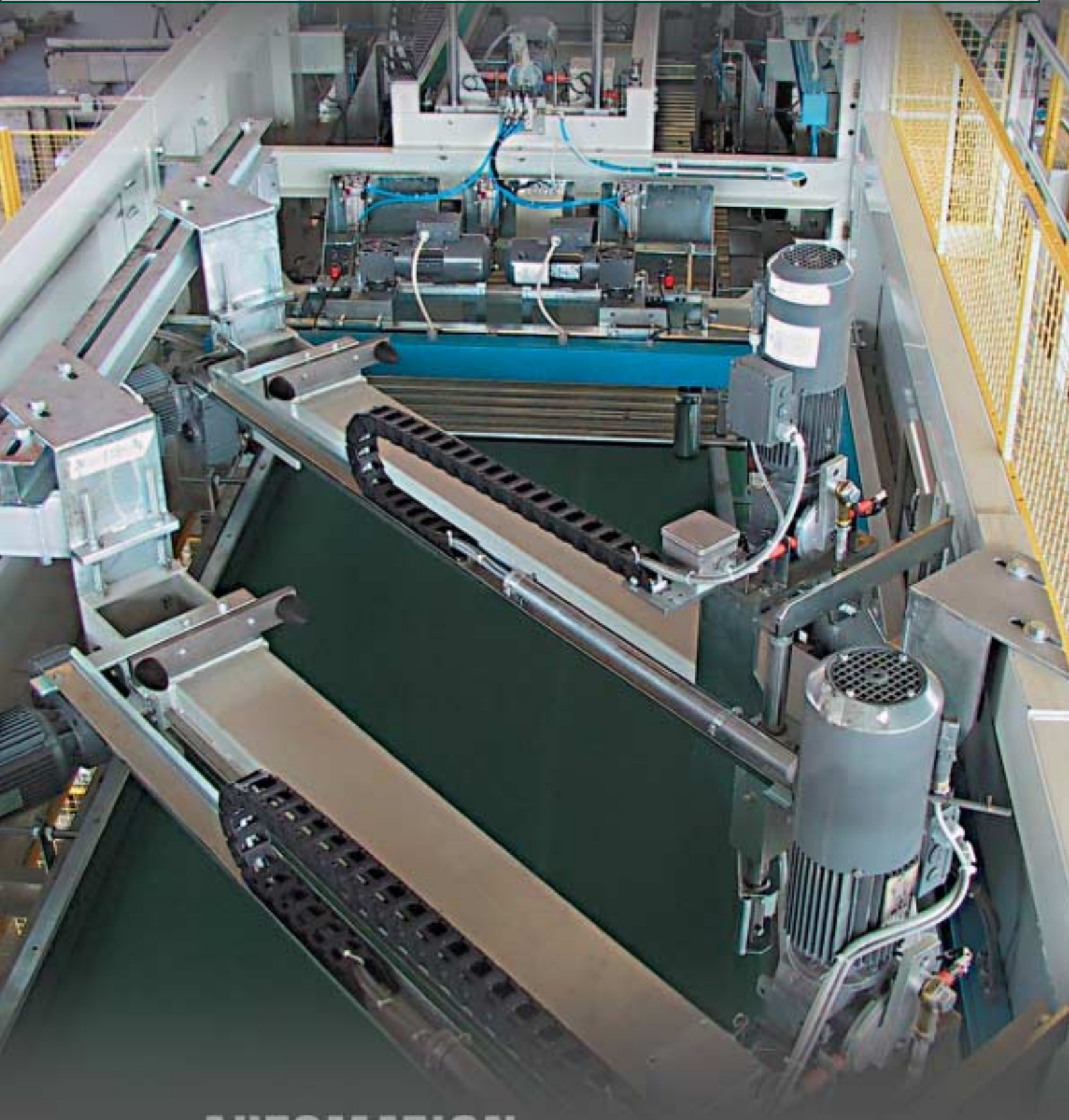
The targeted employment of peripheral devices provides fully automatic operation. The composition of the entire system, specified according to your particular demands, ensures your requirements are fulfilled completely. This results in trouble-free operation and first-class quality palletizing.

Furthermore, the modular structure facilitates employment of the automatic palletizer, even when performance requirements have to be increased. This ensures you are purchasing state of the art technology to work well into the future. You can handle either paper or plastic bags, filled with building products.

We assist you in the choice of:

- Feeding conveyors
- Turning devices
- Levelling units
- Transfer units
- Empty pallet magazines
- Accumulating and accelerating conveyors
- Pallet roller conveyor
- Glue applying device
- Optional programmes
- Cover sheet placer

UNINTERRUPTED PROCESSES FOR EFFICIENT PALLETIZING



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● ● ● PALLET INFORMATION

The **CHRONO-PAL™ PL 4000H** is designed for bag palletizing in layer formats of 5 or 10 for euro or industrial pallets. There are options available for alternative pallet types. The pallets' sizes are 800 x 1,200 mm or 1,500 x 1,200 mm. The maximum load is 2,000 kg. The normal loading height is 1,850 mm.

The bag sizes vary between
380 - 450 mm (width)
600 - 900 mm (length)
120 - 200 mm (height).

LAYER FORMATION

	5	6	6	6	7	7	8	8	8	10
Layer dimensions [mm]	1,200 x 1,000	1,200 x 900	1,200 x 900	1,200 x 1,200	1,200 x 700	1,160 x 1,000	1,200 x 900	1,200 x 900	1,100 x 1,100	1,200 x 1,100
Pallet dimensions [mm]	1,200 x 800	1,200 x 800	1,200 x 800	1,200 x 1,200	1,100 x 800	1,200 x 1,000	1,200 x 800	1,200 x 800	1,100 x 1,100	1,200 x 1,000

PALLETIZING PERFORMANCE

CHRONO-PAL™ PL 4000H

in sets of 5
in sets of 10

3,800 bags/hour
5,000 bags/hour



● ● ● TECHNICAL DATA

Air consumption	50-100 NI/min
Operating pressure	5-6 bar
Electrical requirements	400 V, 3 phases, 50 Hz
Control voltage	24 V
Noise level	75-80 dB (A)



UTMOST PALLETIZING OUTPUT FOR HIGHEST DEMANDS



Bag pressing device as bag flattener with damping device

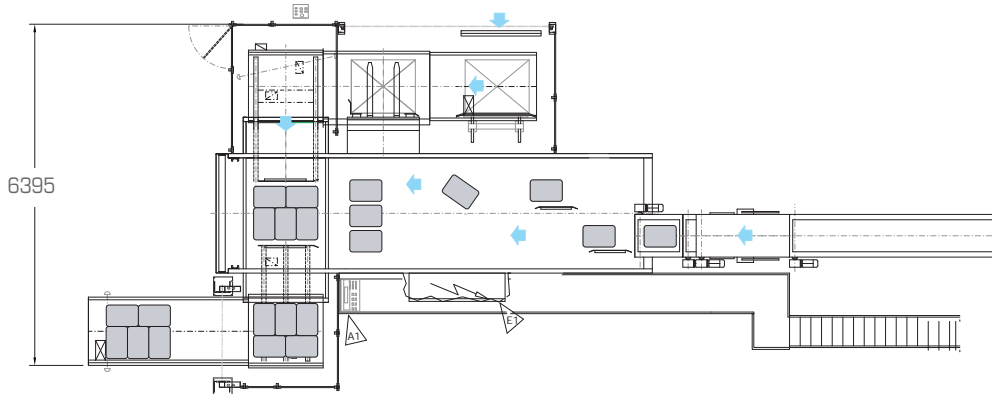
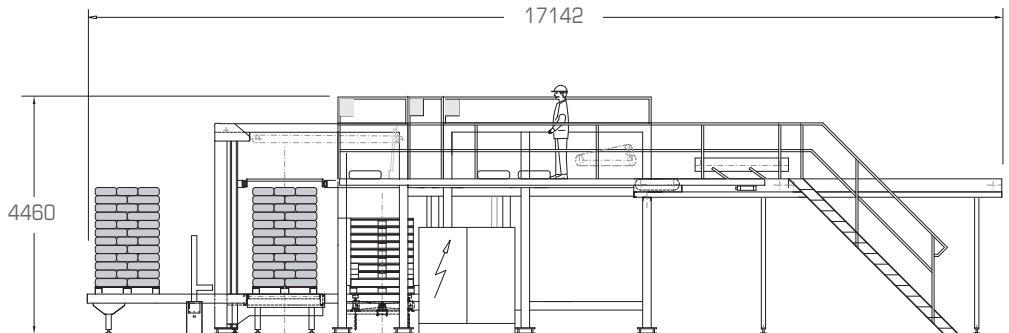


Increased stability of loaded pallet by additional compression



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WORLDWIDE PRESENCE

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For nearly 125 years now, **Chronos Richardson Systems** has made its mark on the European and Asian markets thanks to its innovative packaging and processing solutions and approach to complete integrated system projects tailored to customers' individual needs. Armed with its experience, the inventor of the first automatic weigher is now recognized as a specialist in weighing, batching, bagging and palletising for the food, feed, chemicals, plastics, fertilizer, milling and cement industries.

Chronos Richardson Systems is part of the Industrial Equipment Group of Premier Tech, one of the largest players in the field of industrial flexible packaging worldwide.

Find your solution with Chronos Richardson Systems.



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