SYMACH

barrywehmiller
bw
betterworld

Designing & Manufacturing
Packaging & Palletizing systems

ENGLISH



MACH series
Palletizing Systems
stable rectangular palletizing

symach.nl

Packaging & Palletizing

High-quality Palletizing Machines

The philosophy of SYMACH is that any palletizer model should perform the same way and should therefore be capable of producing the same level of stacking quality, independent of the speed. Flexibility of the system is considered one of the main requirements. Unlike most other palletizing systems, such as the traditional gantry systems or bag grippers, the SYMACH palletizer will stack any bag, regardless of type, individually with overlap, to ensure a neat stable pallet.

Unique product-friendly

A unique and important feature of the SYMACH palletizers is the manipulator. Its handles each bag individually. Traditional slide valve systems or grippers occasionally stack inaccurately or even damage the packaging. Due to our product-friendly method these problems have finally become a thing of the past. The bags glide horizontally into the manipulator over a smooth surface. Once inside, the bags are stopped by a fixed final partition and carefully centered by centering plates. Thus, the position of the bag in the manipulator is secured and the bag is released exactly over the programmed position. This method enables one to stack very accurately and with overlaps. Our experience with agricultural products has taught us that this stacking method guarantees the best stability. Of course, other stacking methods are also possible, the manipulator enables customers to realize the most diverse stacking patterns.

Industries served:

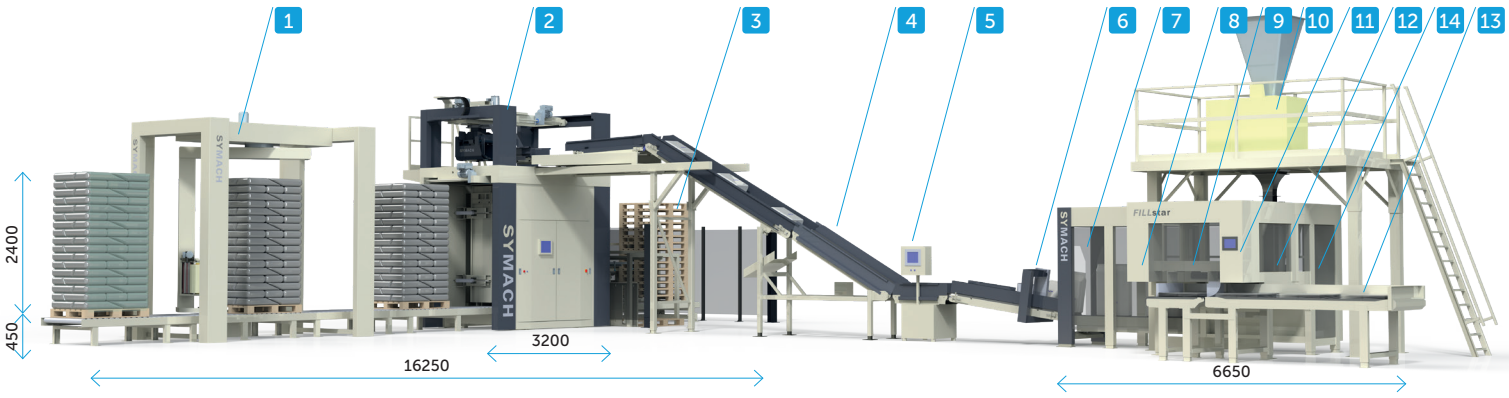
- Animal feed
- Aquafeed
- Carrots
- Cat litter
- Charcoal
- Cocoa
- Fertilizer
- Flour
- Grains & seed
- Granules
- Gravel
- Nuts



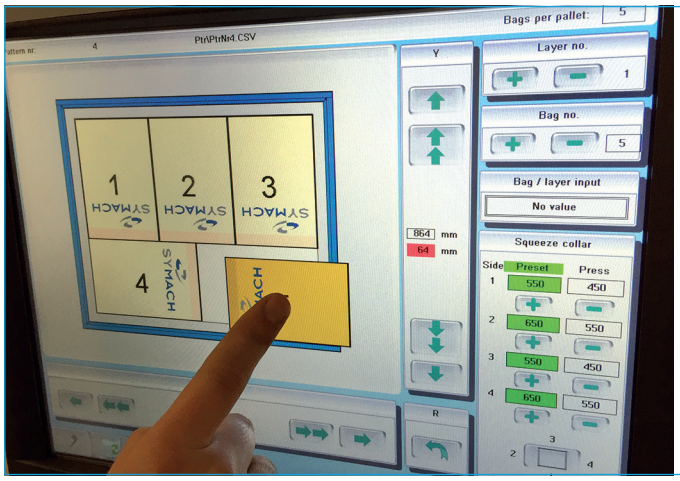






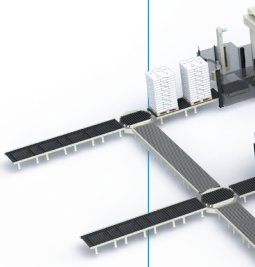


1. Wrapper
2. Palletizer
3. Empty Pallet Dispenser
4. Rejection Belt
5. Check Weigher
6. Metal Detector
7. Inline Turning Belt
8. Sewing
9. Sealing
10. Nett Weigher
11. Deaeration
12. Labeling Station
13. Empty Bag Magazine
14. Filling Spout



Important Features

- Intuitive drag & drop operation
- Product-friendly handling
- Overlapping of bags
- Straight stacking without product overhang
- High efficiency >95%
- Low maintenance



Hybrid Multi head

The optional hybrid head is a multifunctional design for bags, bundles, cases, cartons and crates: the centralizing unit places any type of carton or crate precisely on a pallet without the drop that is used when stacking bags. The unique design of the head of the SYMACH palletizer, in combination with the user-friendly intuitive machine software enables customers to program to a variety of stacking patterns.

Options

Each model of the SYMACH Palletizer range can be equipped with several options to dedicate the machine for a specific job, or with a combination of options that make the machine even more multifunctional and versatile.

- Onions
- Peat
- Pet food
- Potatoes
- Premixes
- Pulses
- Rice
- Salt
- Sand
- Sugar
- Tea
- Wood pellets









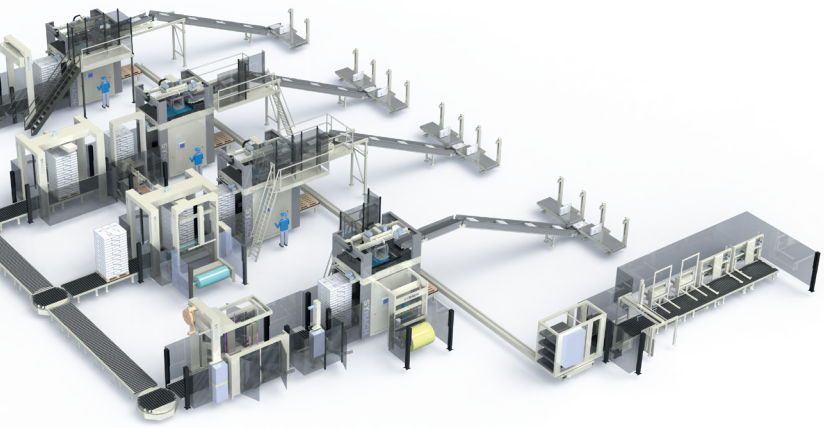
Stacking cage

The stacking cage, though optional, is almost always selected because of its added value. It prevents overlapping stacked bags from gliding off one another, which would cause the load to extend beyond the pallet. By completely enclosing the bags when stacking them onto the pallet, the gliding of the bags is prevented. Thus, the load maintains the desired measurements and has a nice tight appearance.

Market and Customer requirements

Markets and customers can require different options such as:

- slip sheet dispensers for paper or plastic, pre-cut or from a roll, for bottom of pallet or as intermediary sheet
- Pallet tray formers wich forms blanks to pallet trays and dispenses to an empty pallet
- check weighing
- metal detection
- bag ejection systems



Research and Development

In every packing station, the palletizer has become a key component that requires a certain level of customization.

At SYMACH, a team of engineers work close together to innovate and develop the mechanical and software applications that the market dictates.
Your customers demand high quality presentation. Packaging materials are constantly changing and whether you are dealing with bags of pet food, grass seed, potatoes or cartons of delicate product, SYMACH is here to help, to listen to your needs and work with you to custom build a solution for new and existing machines.

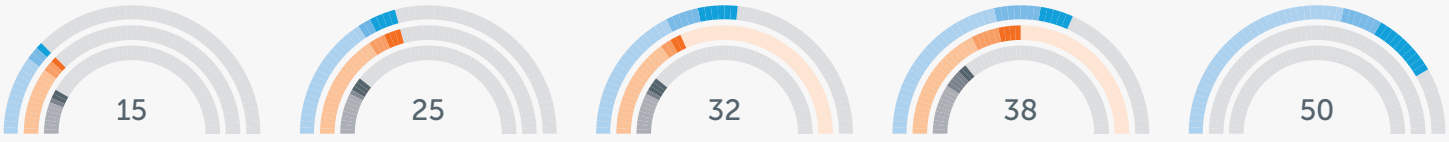
Pallet securing & Pallet transport

SYMACH manufactures a wide variety of standard machines for pallet securing and pallet transport.

- Wrapping machines, single or double rotating arm or turntable for stretch net and film or even craft and net; to secure the pallet for transport with a unique clipping unit.
- Top sheet dispenser; dustproof or rainproof.
- Corner board applicator and strapping machines; to place protective corners and straps around the finished pallet.
- Pallet label applicator; to be integrated with a SYMACH wrapping machine and apply non-adhesive labels.
- Pallet transport; pallet shuttle transfer cart, roller or chain conveyors, turntables, empty pallet dispensers for one or for flexible use of different pallet sizes, pallet double stacker.



Palletizing capacity



- Palletizing head - bags
- Hybrid Multi head - bags
- Hybrid Multi head - boxes

Bags/layer	5 - 2	8 - 6	14 - 9
Weight (est.)	25 - 50 kg	10 - 15 kg	5 kg



About SYMACH

SYMACH develops and manufactures palletizers and bag-filling machines that are optimally suited to your business activities. Our products enable us to lay the foundations for efficient, flexible logistics processes.

We build our packaging machines and palletizers based on years of experience and an innovative understanding of the available options. The result: customized modular design, exceptional reliability and excellent performance in terms of speed and quality.

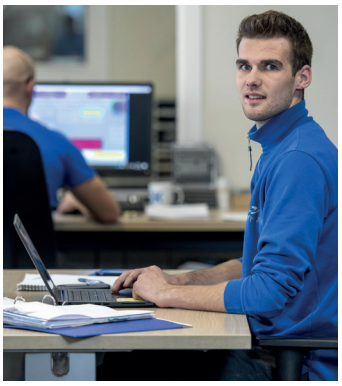
We give our customers a head start and create value for people and companies. We build the optimum solution for you with the utmost care and motivation. Companies from all over the world choose SYMACH from a wide range of sectors, from the agricultural food sector to the industrial and chemical industry. They choose our custom-made solutions for the packing of granules and complete end-of-line systems for bags, boxes and crates.

Our service engineers ensure the machines are well maintained. This ranges from preventative maintenance to lightning-fast repairs in the event of an emergency. You can rely on us. Our palletizers and bag-filling machines are critical in ensuring reliable business operations and optimum efficiency.

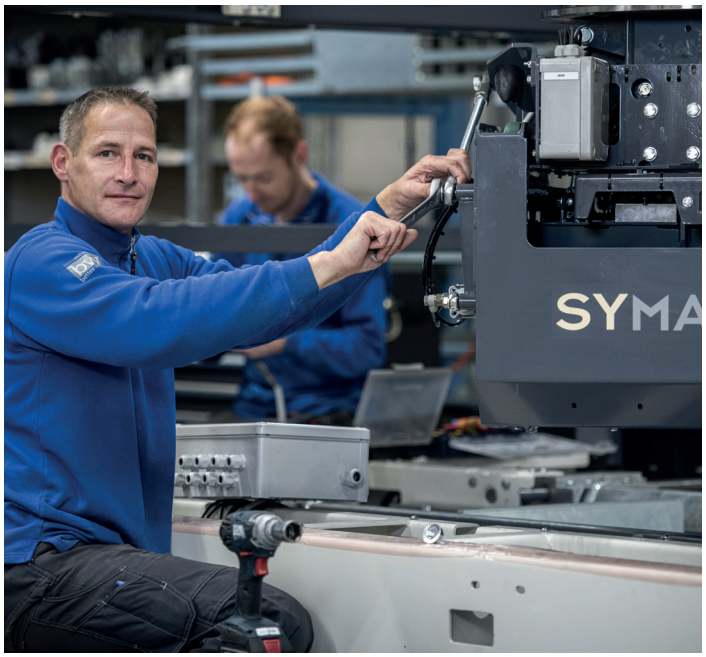
BW Flexible Systems

Netherlands based SYMACH is a Barry-Wehmiller Flexible Systems company, a global manufacturer of packaging systems that fill and bag thousands of food and non-food products.









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New Generation Palletizing

Rotax Palletizing Head

SYMACH is introducing a new patented technology simultaneously reducing the number of movements significantly and increasing positioning speeds up to 50 bpm.









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