

Pallet packaging

Dust, rain or shine

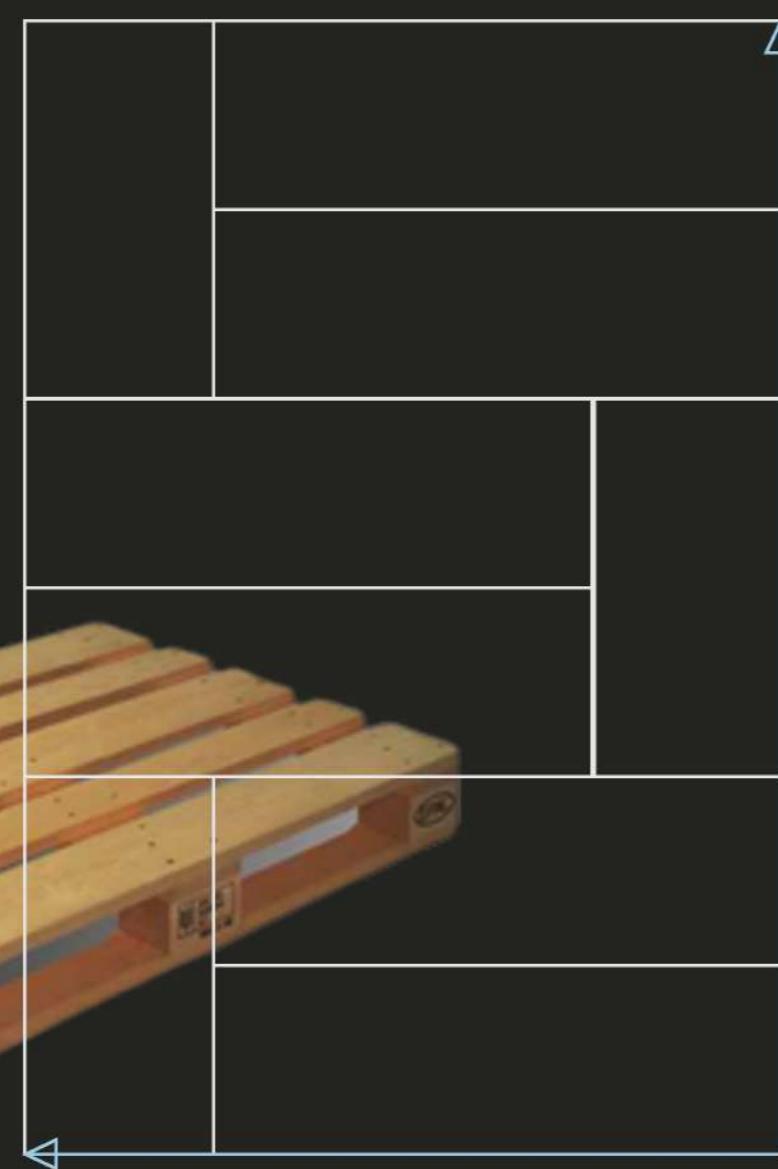
Premium Protection. Always.

Stay in or go out? We protect ourselves against almost everything, indoors and on the move. Who can protect your goods during their journey and make sure they arrive in perfect condition? No matter what.

Willems Pallet Packaging is the answer to that question.

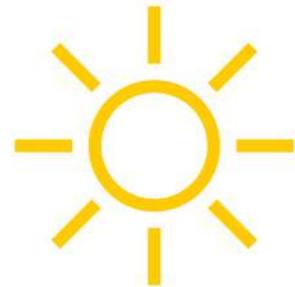


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Full protection against dirt, dust and moisture, scratches and surface damages. Our unique pallet packaging machine produces secured pallet loads that are perfectly suitable for outside storage and transport.





Protection against sun and UV radiation



Protects against rainy and windy conditions



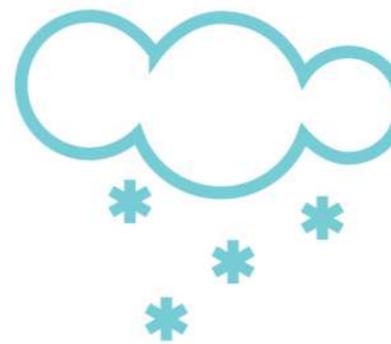
Theft protection



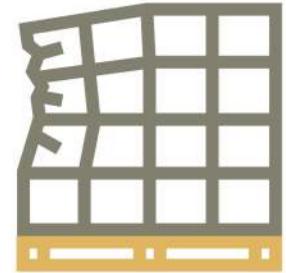
Dust and dirt



No instability

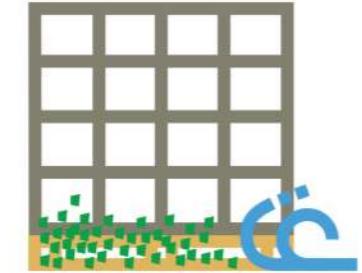


Protection against snow



06 |

No damage



No moist, pollution and splashing water



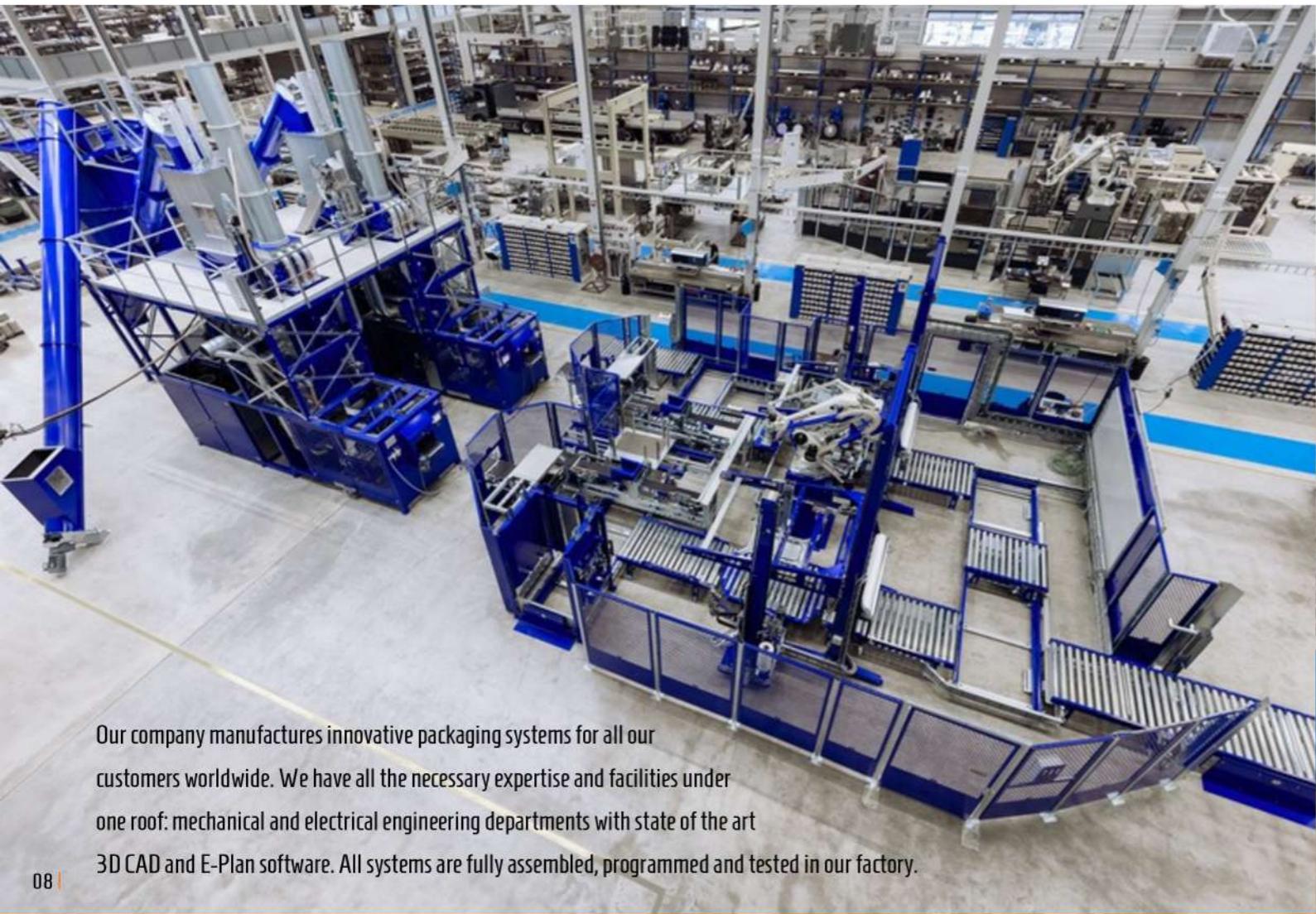
And... printable logo on film



Willems belongs to **the market leaders** in top-class packaging systems. The products to be packaged differ greatly from each other. In most cases, we are talking about bulk goods pressed in bales. Then, the rectangular bale can be significantly handled, transported, stacked, stored and presented. Both for supply of raw materials to bale presses and for pressing of bales itself, appropriate systems are required to transport both bulk and goods transport efficiently through the production line.

Willems Baling Equipment was founded in 1992. With pride we look back on countless successes in design and development of special packaging lines, both with machines and all associated transport systems to connect the units. Ideas from experienced engineers and creative designers come together in smart solutions for complex issues. Every day. And... the best is still to come.

| 07



Our company manufactures innovative packaging systems for all our customers worldwide. We have all the necessary expertise and facilities under one roof: mechanical and electrical engineering departments with state of the art 3D CAD and E-Plan software. All systems are fully assembled, programmed and tested in our factory.

08 |

Advanced engineering, high tech design. The future of packaging technology is being developed today

All systems and machines are assembled, programmed and tested in our production plant. We are continuously investing in pallet packaging technology and machine development. By constantly improving our products, we commit to the process of developing pallet packaging machines that are flexible, reliable, more efficient, more stable and guarantee the highest accuracy, safety and protection of your products and pallets.



09 |



Hooder M



Specs

Series

Medium 1800 / 2400 / 3000

Pallet dimensions

from 600 x 800mm

to 1.200 x 1.200mm

Load height

min. 250mm - max. 3.000mm

(incl. pallet)

Load dimensions

max. 1.300 x 1.300mm

Capacity

up to 80 pallets per hour

Check our
website for further details



Willem's stretch hood packaging systems
Advantages for Hooder M:

- Maximum pallet stability with an up-to-date stretch hood system.

- Optimal weather protection due to watertight pallet packaging. Suitable for outside storage.

- Easy access to all moving parts at floor level or on the balcony for easy maintenance and inspection.

- Solid construction and low overall height.

- Horizontal and vertical stretching of film results in an excellent load stability and reduced film costs.

- The hood can be pulled down to the bottom edge of a pallet, to secure the load/stack to the pallet.

- High capacity / approx. 80 pallets per hour.

- No loose film ends.

- Minimum film reel changes.

- Easy label scanning due to high transparency foil.



Specs

Series

Large 2400 / 3500

Pallet dimensions

from 600 x 800mm

to 1.600 x 1.200mm

Load height

min. 250mm - max. 3.500mm

(incl. pallet)

Load dimensions

max. 1.750 x 1.350mm

Capacity

up to 80 pallets per hour

Check our
website for further details



Willem's
stretch hood packaging systems
Advantages for Hooder L:

- Maximum pallet stability with an up-to-date stretch hood system.

- Optimal weather protection due to watertight pallet packaging. Suitable for outside storage.

- Easy access to all moving parts at floor level or on the balcony for easy maintenance and inspection.

- Solid construction and low overall height.

- Horizontal and vertical stretching of film results in an excellent load stability and reduced film costs.

- The hood can be pulled down to the bottom edge of a pallet, to secure the load/stack to the pallet.

- The stretch hood machine is suited for different film rolls. The machine-settings will change automatically to the desired roll.

- High capacity / approx. 80 pallets per hour.

- No loose film ends.

- Minimum film reel changes.

- Easy label scanning due to high transparency foil.

Wrapper sun

Stretch wrapper model sun handles

pallet sizes from 600 x 800 to 1.600 x 1.200 mm.



Check our website for further details



Specs

Series

Medium 1800 / 2400 / 3000

Pallet dimensions

from 600 x 800mm
to 1.600 x 1.200mm

Load height

min. 250mm - max. 3000mm

Load dimensions

(incl. pallet)
max. 1.600 x 1.200mm

Capacity

up to 60 pallets per hour

SUN

Willem's stretch hood packaging systems
Advantages for Wrapper sun:

- Stable and representative pallet packaging.
- Dust and rainproof pallet packaging, suitable for outdoor storage due to the integrated topsheet dispenser.
- Variable stretch ensures low film consumption with minimal environmental impact.
- Easy in use.
- The foil can be pulled around the pallet. Laminated layers of foil ensure a stable attachment between pallet and load.
- Possibility to process different pallet sizes through each other.
- Possibility to seal foil string with an integrated sealing bar.
- Small footprint due to modular construction.
- All moving parts are accessible (easy maintenance and easy inspection).
- Possible to "stack and wrap". During stacking with a robot, wrapping can be done per layer. This way, even the most unstable load can be fixed.

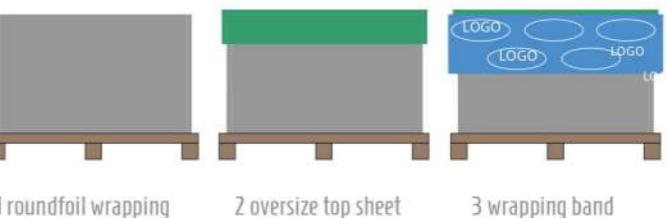
Stretcher TS



packing bricks on pallets

Bricks are packed on a pallet with foil wrapping, top sheet and straps. The total foil consists of a round foil and a top sheet in excess that is stretched with a wrapping band around. This creates a solid unit with distinct advantages for the presentation and use.

Because of the transparent top sheet, the structure, colour and lay pattern of the bricks can be seen at a glance. The wrapping band can also be printed with logos and information for an appealing presentation. But more important: this way of packaging makes the bricks more easy of use; a total brick layer can be simply mechanically grabbed so that direct laying becomes possible. A clever solution from Willem's.



Willem's
baling equipment

Bundling machine



insulation material

Packaging insulation sheets requires a special technique. Willem's created a bundling machine that produces wide wrapping bands of transparent film. Wrapping the sheets with this creates a tight and stable whole. The wrapping straps can even be printed for prominent advertising and presentation.





A family owned business



Clever design
smart in every small part



Since its foundation in 1992, **Willems** has grown into one of the industry leaders. Nowadays the **Willems** brand is synonymous with innovation and top quality. We invest in the latest developments in machine construction. Our designers work on machines that are safer, faster, more efficient and even more precise. Modern techniques and continuous improvements result in reliable machines that meet the highest standards of effectiveness.



All disciplines are represented in our enterprise; designers, constructors, production staff, service engineers. From the first ideas and sketches up to installing and adjusting machines on your location, our professionals are prepared for the job. Brilliant ideas from experienced engineers and creative designers come together to create smarter solutions. Everyday.

Service and parts

Willem's
baling equipment

Quality

In manufacturing, a measure of excellence or a state of being free from defects, deficiencies and significant variations. It is brought about by strict and consistent commitment to certain standards that achieve uniformity of a product in order to satisfy specific customer or user requirements. ISO standard defines quality as "the totality of features and characteristics of a product or service that bears its ability to satisfy stated or implied needs."

Reliability

1. The ability of an apparatus, machine, or system to consistently perform its intended or required function or mission, on demand and without degradation or failure.
2. Manufacturing: The probability of failure-free performance over an item's useful life, or a specified timeframe, under specified environmental and duty-cycle conditions.

Efficiency

The comparison of what is actually produced or performed with what can be achieved with the same consumption of resources (money, time, labour, etc.). It is an important factor in determination of productivity.

Willem's builds robust machines to last for long. All integrated systems and electronics meet the highest standards so reliability is guaranteed. Our involvement does not stop when the system has been sold. Willem's feels responsible for trouble free operation of the total production line, 24/7. Via built-in modems in machines, we can monitor data online and any malfunctions can be cured or even prevented from a distance. If necessary, we ensure that experienced specialists are available at your location to keep your production line in good condition. Everywhere, worldwide.

Spare parts **Maintenance** **After sales** **Responsible partner** **Teleservice**

Reach us on:



Productrange

Willem's offers total solutions for compressed packaging of bulky products; high quality machines for screening, weighing, compressing, packaging and palletising. All of them easy to integrate into your production line.

log shavers

Transport and processing of logs Our systems for **length- and sideways transport** supply via step feeders the debarker and log shaver. **Log shavers** are equipped with advanced interchangeable blade cassette for optimised production.

bulk handling

Not only the machines, but the entire logistics of production can be delivered by Willem's turnkey. **Screens, transportation and buffer systems** belong to this. **Drum screen** for separation in two formats; small parts fall through the screen, large parts remain. **Star screen** to remove large parts from the product too. **Airscreen** for product-specific applications.

Chain, belt, screw conveyors. Horizontal and inclined screws with various dimensions and capacities, depending on the product. **Conveying floor bunkers** or bunkers with screws for buffering are being produced to the client's specifications.

balers

Willem's supplies horizontal and vertical balers for compressed packaging of various products. Depending on your wishes, our presses produce bales with weights between 1 and 1500 kg.

Products: Alfalfa, bark, cellulose fibres, flax, fiberglass, glass wool, grass, hay or straw, hemp fibre, insulation material, corn, mulch, nylon fibres, paper pulp, potting soil, compost soil, pulp fibres, sawdust, short dusty fibres, silage, substrates, synthetic fibres, peat, wood chips, wood shavings, etc.

Bundling machines for merging small packages.

The machine collects products, packs two pieces of foil on roll and draws the film over the formatted products.

Form filling machine for pellets and other release products. Capacity: Depending on product specifications tailored to customer requirements.

FFS machines (Form Fill Seal) for the disposal of bulk products.

robots

Our high end **robot palletising systems** can be easily adjusted to requested, constantly changing product specifications and sizes. For example for stacking bags, bales or barrels.

pallet packaging

Our experience in designing and building high-quality packaging systems led to **the ultimate stretch hooder and wrapping machines**. These offer an excellent solution for a large number of pallet packaging needs during storage and transportation.

refiner

We developed **turn-key refiner-lines**. Due to the RMP-process and the intuitive operation via the touchscreen, you can produce **specific fibers** that suits your purpose. The gap distance is changeable with one push on a button so various products can be fiberized into different fraction sizes.

log shavers



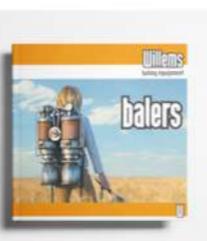
- Log transport system
- Log shavers
- Grinding machines

bulk handling



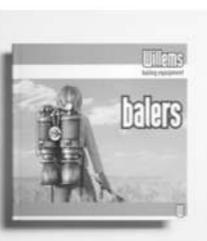
- Stationary and conveying floor bunkers
- Chain conveyors, infeed systems, redlers and air transport
- Screening
- Truck loading- and unloading systems

baling equipment



- Balers
- Flatfoil machines
- Form filling machines
- Bundling machines

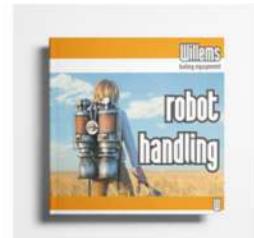
pallet packaging



- Stretch hooders
- Bricks packaging machines
- Insulation sheets bundling machines
- Wrappers

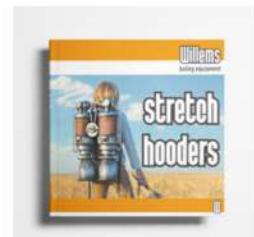
Product brochures

robot handling



- Robot palletising systems
- Pallet transport
- Special Features

refiner



- RMP-process
- Willem's Refiner Solutions
- Products