

Willem's
baling equipment



Balers



More efficient packaging and transport Transport of air is a waste.



Transporting air is nonsense. Nevertheless many packs on the move everyday are filled with air. Compression makes products and packaging more compact.

Being compressed there will be saved immediately on:

- Packaging material. Using foil, cardboard and plastic will be limited and that is environmentally friendly.
- Storage volume and costs. Fewer pallets and containers mean less capacity in warehouses and storage areas.
- Transport volume and costs. Less freight, handling and fuel consumption.

Optimum packaging starts with the tight bales of Willems Baling Equipment.



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*Willem's makes packaging...
... fit like a glove*

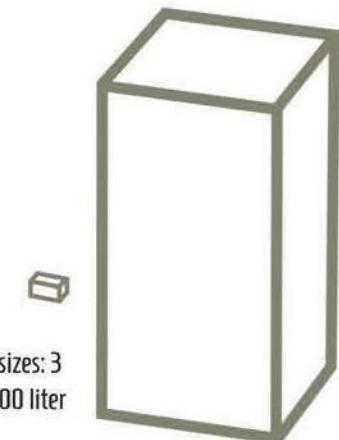


Producing bales is all about compression. It is important that the bulk products become so compact that the specifications and characteristics of the product remain, but the volume decreases significantly and the product becomes available in a manageable form. As one of the leading manufacturers worldwide, Willem's has a lot of experience in advanced compression and packaging of various bulk products in rectangular bales.

Shaped from flat foil – without wasting packaging material – this method gives a tight result so the bales look beautiful and can be perfectly stacked. The tight bale of strong foil provides excellent protection for the contents during storage and transportation.

As a result, the product can be transported efficiently from producer to consumer and arrives in good condition at its destination.

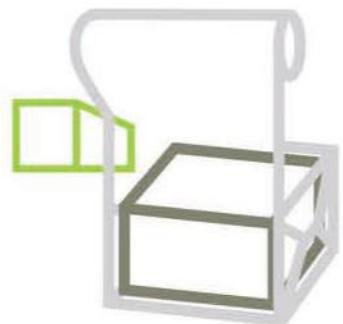




Bale sizes: 3
to 3000 liter



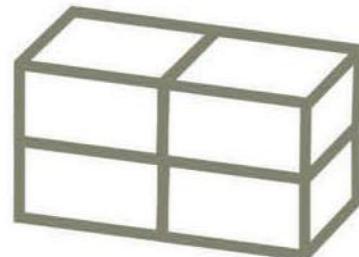
Protection against sun, rain, snow and
(discoloration by) UV-radiation



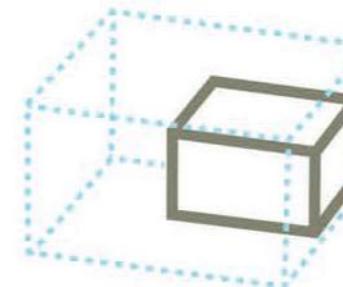
Bale shaped directly out of flat foil



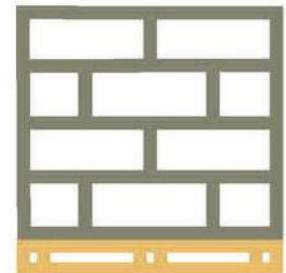
No dust
or dirt



Tight presentation

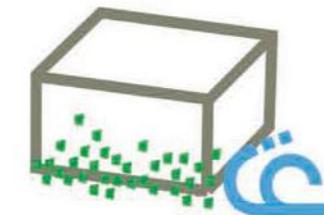


Compression means less volume



06 |

Perfectly stackable



No moist, green moss and splashing water



And... logo printing possible on foil



Willems is a **leading manufacturer** of state-of-the-art
packaging machines.

We build machines and transportation systems for
handling bulk, bales, boxes et cetera.

Our production is fitted with the finest equipment,
which allows them to work accurately and efficiently.

We employ highly-qualified specialists and utilise
extremely advanced facilities for designing, fabricating,
assembling, and thoroughly testing our machines and
transportation systems.

Our experts have a lot of experience designing and
developing complete production lines.

Willems Baling Equipment was established in 1992.
With pride we are looking back at many successes in
designing and developing the ultimate packaging machines.
When the ideas of experienced engineers and creative young
designers meet, special things are happening.

Together we generate a massive capacity in solving complex
packaging challenges.

Every day. For 30 years already.
And... the best is yet to come.

07 |

Balers



Balers in many shapes and sizes

In the Willem's baling range there is a suitable baler for every application and bulk product.

The balers are specially designed to compress and pack all kinds of bulk product exactly to the wishes of our clients.

All presses have excellent specifications resulting in good reliability, durability and safety.



Lucerne, bark, cellulose fibres, flax, alfalfa, grass, chopped and non-chopped hay/straw, hemp fibres, pellets, kenaf, substrates, sugarcane, tee tree mulches, wood shavings, granulate, pine chips, insulation, peat, paper pulp, sawdust, nylon fibres, textile, crushed cotton, shredded paper, shredded card board, glass wool, coconut fibre, wood fiber, rice husk, et cetera...

Willem's
baling equipment



BPV300-HL30 horizontal baler

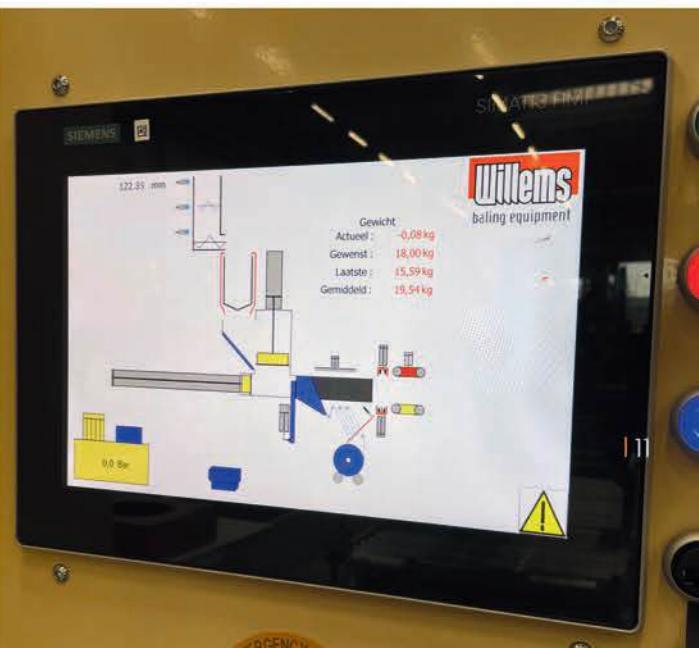
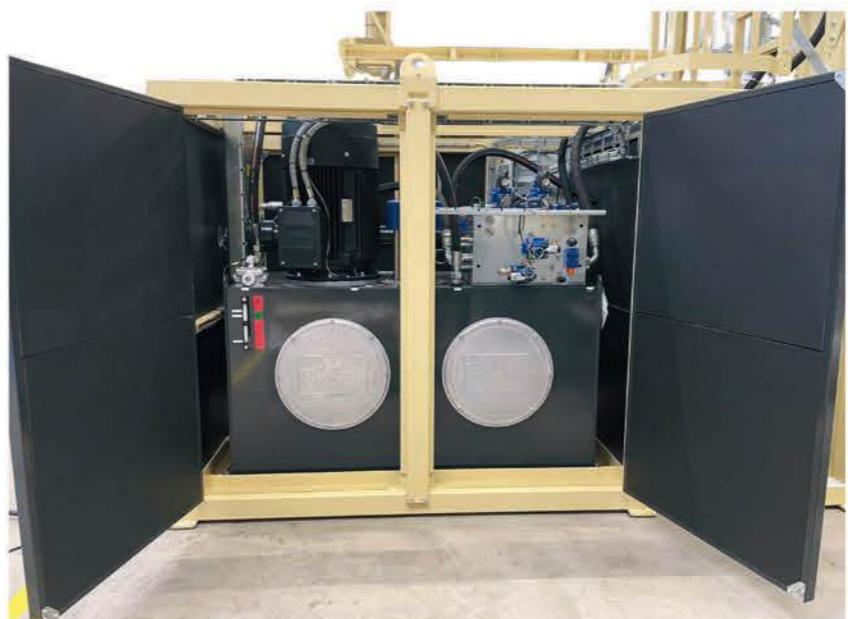


- Standard Willem's baler
- Low density products
- Example bale dimension:
790 x 395 x 300 mm (l x w x h)*
- Capacity up to 300 bales per hour**
- Bale weight up to 50 kg**
- Option: - Noise reducing panels

Depending on customers wishes

** Depending on product specifications

Check our
website for further details



BPVB150-HL30 horizontal baler



- Small foot print
- Example bale size: 790 x 395 x 300 mm (l x w x h)*
- Capacity up to 180 bales per hour
- Bale weight up to 50 kg**
- Included pre-weighing hopper
- Fully automatic flatfoil packing system

* Other bale sizes on request

** Depending on product specifications

Check our
website for further details



WillemS
baling equipment

BPV300-VHL30 horizontal baler

WillemS
baling equipment



- Low density products
- Dusty products
- Standard bale dimension: 790 x 395 x 300 mm (l x w x h)*
- Capacity up to 300 bales per hour**
- Bale weight up to 50 kg**
- Option: - Noise reducing panels

* Depending on customers wishes

** Depending on product specifications

Check our
website for further details



BPV250-HC20 high compression baler



Check our
website for further details



- Low density products
- High compression rate
- Standard bale dimensions: 500 x 300 x 300 mm (l x w x h)*

- Capacity up to 250 bales per hour**
- Bale weight up to 50 kg**
- Options: - Noise reducing panels
- Strapper
- Slicer

* Depending on customers wishes
** Depending on product specifications



BPV150-HVH20 extreme volumes



- Voluminous products
- Bale sizes depending on customers wishes
- Capacity up to 150 bales per hour*
- Bale weight up to 50 kg*
- Compression up to 20-1
- Options: - Noise reducing panels
- Foil exchanging unit

* Depending on product specifications

Check our
website for further details



BPV25-HL300 maxi baler

- Low density products
- Standard bale dimensions:
1,600 x 1,200 x 680 mm (l x w x h)*

- Capacity up to 60 bales per hour**
- Bale weight up to 300 kg**
- * Depending on customers wishes
- ** Depending on product specifications

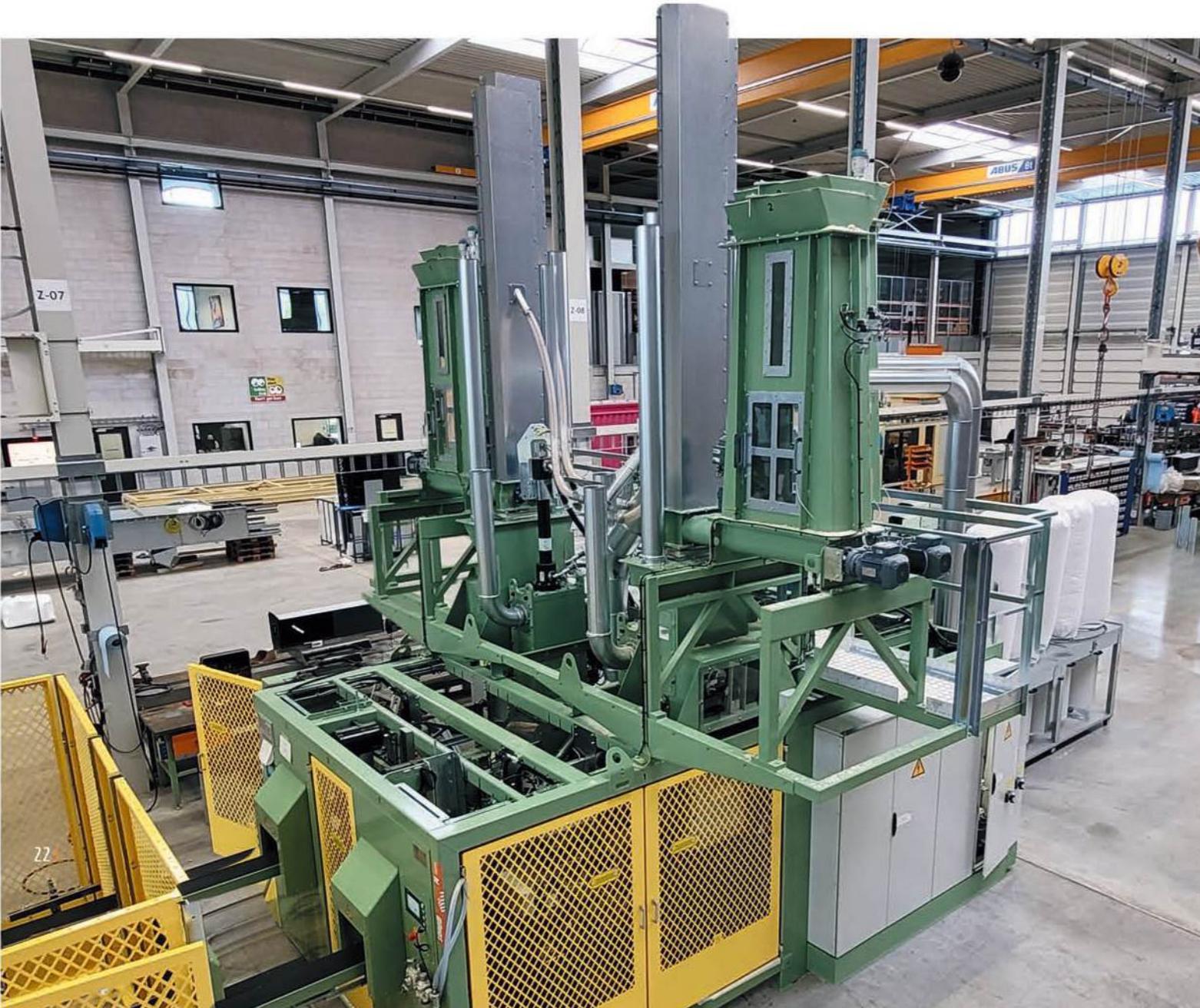


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BPV1000-HL10 small package baler

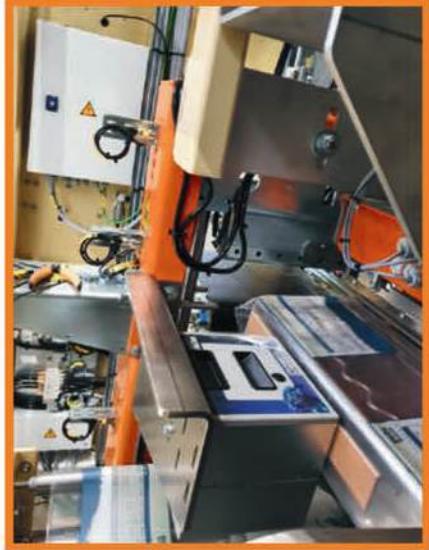


Check our website
for further details



- Low density products
- Various bale dimensions possible *
- Capacity up to 1,000 bales per hour**
- Bale weight up to 10 kg**
- Options:
 - Fluid injection
 - Carrying handling
 - Printers
 - Multiple bale sizes all with one baler

* Depending on customers wishes
** Depending on product specifications



BPV700-HL5 small package baler

WillemS
baling equipment

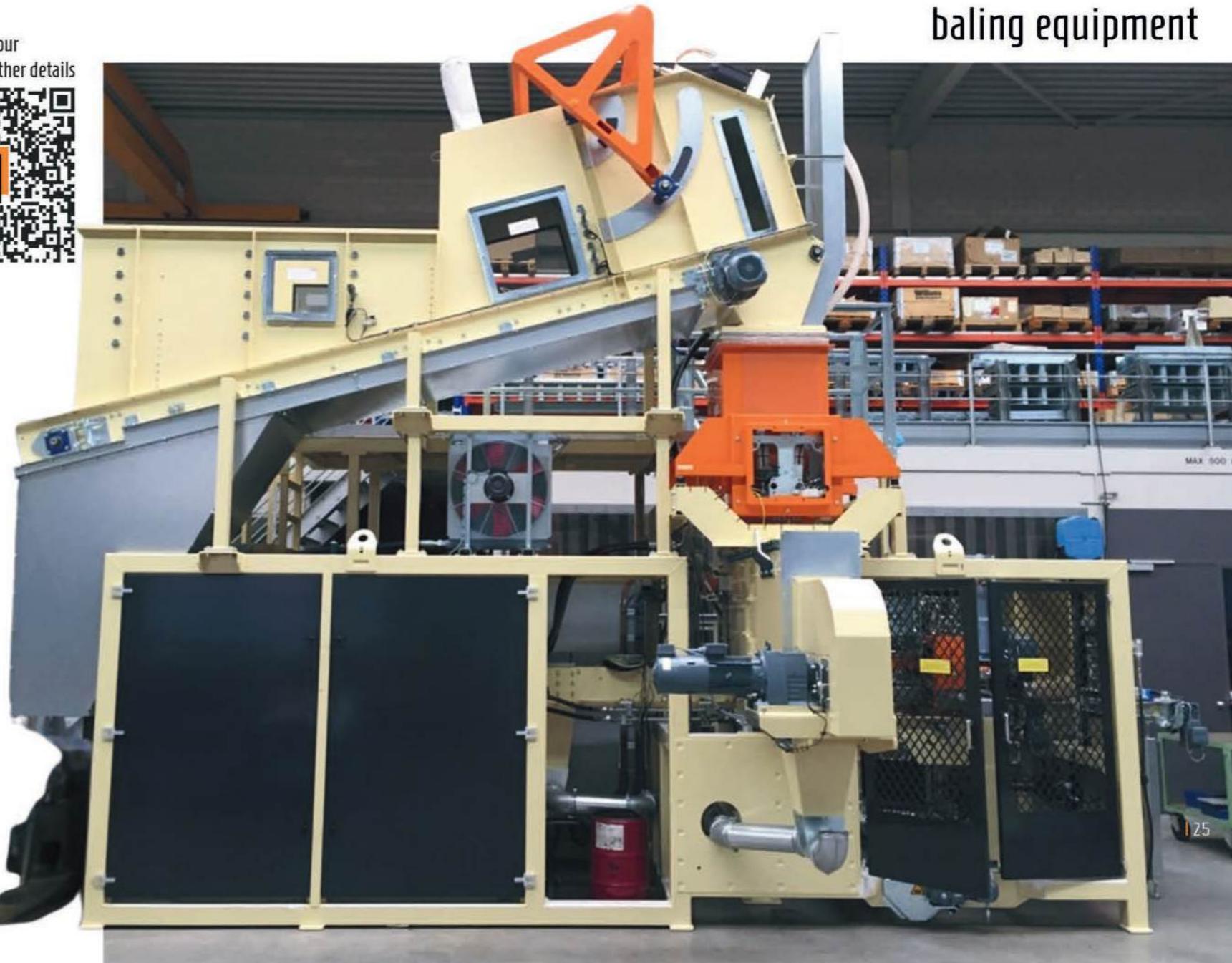
- Low density products
- Various bale dimensions possible *
- Capacity up to 700 bales per hour**
- Bale weight up to 5 kg**

- Options:
 - Liquid addition
 - Adding herbs or powders
 - Carrying grip
 - Multiple bale sizes all with one baler
 - Possible with bio-degradable foil

*Depending on customers wishes

** Depending on product specifications

Check our
website for further details



BPV300-HB30 horizontal side compression baler

Check our
website for further details



- Low density products
- Variable bale dimensions *
- Capacity up to 300 bales per hour**
- Bale weight up to 50 kg**

* Depending on customers wishes

** Depending on product specifications



- Suitable for:
 - higher compaction
 - products that need final compression from the side (no length compaction)
 - insulation
- Options:
 - Noise reducing panels

BPV300-VL vertical baler



- Rapid expanding products
- Various bale dimensions possible > on demand
- Capacity to approx. 300 bales per hour*
- Options: - Noise reducing panels
- Exchangeable shaft
- Extra bale dimensions

* Depending on product specifications

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website for further details



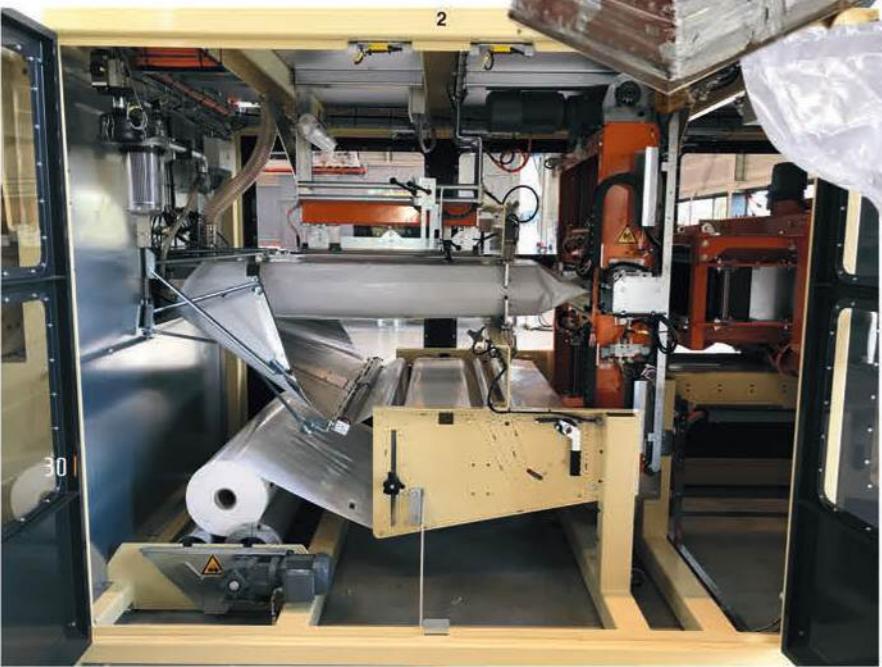
Willem's
baling equipment

BPV200-VP30 vacuum packing

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baling equipment

- Products with higher moisture content
- Long fibres
- Capacity up to 160 bales per hour*
- Bale weight up to 20 kg*
- Vacuum packed bales
- Long shelf life of product in bale
- Option:
 - Automatic valve applicator in machine to release air from inside the bale

* Depending on product specifications



Check our
website for further
details

BPV25-VB500 baler high compressed bales packed in straps

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baling equipment



- BIG bales, standard bale size: 1,100 x 760 x 1,300 mm (l x w x h)
- Capacity up to 20 bales/hour at bales of 500 kg textile, depending on amount of straps*
- Possible with steel wires, or with plastic straps
- Full automatic strapping and packing
- Possible to pull bag over bale before strapping

- Included pre-weighing / dosing system so all bales will have an equal bale weight
- Option:
 - Mutilating system optional

* Depending on customers wishes



Check our
website for further details



VBB30 vertical BIG baler

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baling equipment



- Rapid expanding products
- Standard bale dimensions :
1,150 x 950 x 2,700 mm / 40" x 48" x 106" (l x w x h)*
- Capacity up to 30 bales per hour**
- Bale weight up to 1,500 kg**
- Options:
 - Bale stacker

Check our
website for further details



* Depending on customers wishes

** Depending on product specifications

BPV200-HL50 Silage baler



- High moisture products
- Standard bale dimension: 590 x 380 x 220 mm*
- Capacity: up to 200 bales per hour**
- Bale weight: up to 50 kg**
- Options:
 - Stainless steel execution
 - Double seals
 - Stainless steel piston rods
 - Protection sleeve over piston rods
 - Clamping system on output push chute
 - Noise reducing panels

* Depending on customers wishes

** Depending on product specifications



BPV30-HVH300

Maki bales extreme volume.

Designed for efficient and consistent production, this machine is ideal for handling large, low-density products.

It combines precision, capacity, and automation to ensure reliable bale formation and packaging.

- Suitable for extremely low-density products
- Produces big bales in a standard size of 1200 × 1000 × 800 mm
- Capacity up to 25 bales per hour, depending on volume and number of straps
- Compatible with plastic straps
- Fully automatic strapping and packaging process
- Equipped with a pre-weighing/dosing system for uniform bale weight
- Options available: one or two strappers
- Optional automatic foil exchange units for continuous operation



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Packing in paper

Full electric baler

Willem's
baling equipment



Check our
website for further details



- Suitable for dry, non-expandable products
- Standard bale dimension: 790 x 395 x 300 mm*
- Bale weight and capacity depending on product specifications

* Depending on customers wishes



- Full electric baler, no hydraulics
- Suitable for products with less compression
- Standard bale dimension: 790 x 395 x 250 mm
- Bale weight and capacity depending on product specifications

* Depending on customers wishes

SBM-1000 bundling machine

- Bundling of small packages
- Up to 8 bales each bundle
- Capacity up to 1,000 bales per hour
- Bale weight up to 10 kg
- Also for suitable panels



WillemS
baling equipment

FFS1200 Form fill Seal machine

WillemS
baling equipment



Check our
website for further details.



- Free falling products when compression is not required
- Different dimensions possible*
- Capacity up to 1200 bags per hour**
- Bag weight up to 30 kg
- Options: - Extra bag dimensions
- Exchangeable shaft

* Depending on customers wishes

** Depending on product specifications

Flatfoil instead of tubular foil or preformed bags



Our bales are shaped out of **flatfoil**. This offers advantages over so-called tubular foil or preformed bags; the foil may be thinner, less machining required, no bags in stock and much less material loss.

An environmentally friendly and reliable continuous process. The flatfoil sheet is made up of 3 layers of UV-resistant and with good adhesion properties. Foil thickness of 40 to 150 microns.

Perfect fit packaging

Not just a promotional text or commercial advert. The bales produced by all Willems balers are always tight in shape. That makes them easy to stack and they look great! With printed logo, product title and information they can be displayed immediately at sales locations.



Polyethylene is very suitable for recycling: it can be processed and used indefinitely. Even in places where reuse is not feasible, it is a useful 'fuel' and supplies energy.



Service and parts

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.



Clever design

smart in every small part



A family owned business



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.



Productrange

Willems 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 **Willems** 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

Willems 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.

Willem's

baling equipment

top quality from The Netherlands



Willem's Baling Equipment bv

Smaragdweg 20
5527 LB Hapert Nederland
+31(0)497.64 40 55
wbe@willembsbaling.eu
willemonline.com



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