

# HSM®

Great Products, Great People.



## HSM Horizontal Baling Presses

Waste Management and Recycling Solutions for Industry,  
Retailers and Manufacturers.

# Save on waste costs with volume reduction!

HSM baling presses can reduce the volume of your waste by up to 95%! Which means valuable space is saved on site and you have the opportunity to generate a secondary raw material of sorted bales, which can be incorpo-

rated back into the recycling system. What's more, the baled recycled material has a value which can offset your disposal costs and may even generate a profit.



**Volume reduction up to 95 %**



**Perfect HGV load utilisation**



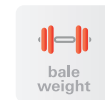
**Attractive price-performance ratio**



**Easy-to-use**



**Energy efficient**



**Bale weight up to 850 kg**



## Application areas

Wholesale, manufacturers, logistics, central storage facilities, paper industry and many more.



## Materials

Paper, cardboard, plastic film, expanding foams, polystyrene, hollow vessels, metal buckets, barrels and many more.



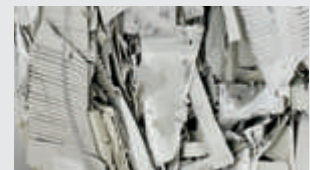
Central storage facilities



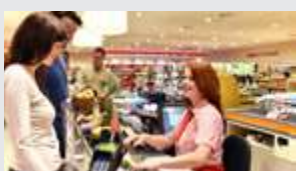
Printing plants



Foam



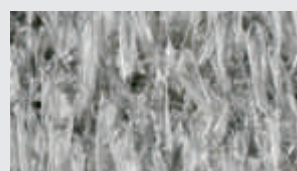
Stiff plastic



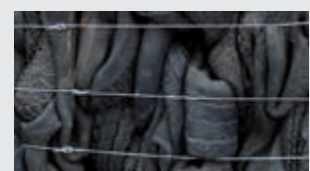
Food retailers



Distribution centres

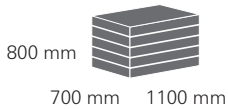


PET



Car tyres

## HSM HL 1615



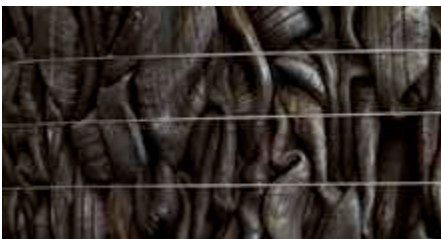
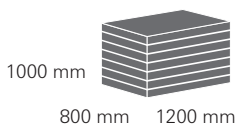
This all-purpose stationary baler is designed for high loads and completely flattens paper scraps, large cardboard boxes, plastic film and comparable materials – even rigid paint cans and light metal barrels (up to 200 litres). To handle even extremely one-sided loads in the press chamber, the press ram guidance has an especially large and sturdy construction. Both large loading flaps, which together function as an over-size feeding opening, make it possible to compact voluminous materials simply and quickly without having to manually tear them into smaller pieces beforehand.

- High throughput via large split-loading hopper and short compression cycle
- The hydraulic counterplate provides the highest ease of operation and reliability
- Manual bale strapping with continuous polyester tape
- The full stroke of the press ram ejects the bale completely
- Optimum operator protection provided by lateral protective grating and safety lock for the loading flaps
- Baler can be transported for reassembly
- Torsion resistant press ram guidance
- Automatic bale finish signal



Model	HSM HL 1615
Pressing power in kN	150
Motor in kW	7.5
Voltage / Frequency	3 x 400 V / 50 Hz
Loading aperture (W x L) in mm	700 x 1500
Loading height in mm	990
Bale weight in kg (depending on material)	up to 200
Maximum bale size (W x H x L) in mm	700 x 800 x 1100
Cycle time idle operation (theor.) in sec.	32
Dimensions of machine (L x W x H) in mm	4470 x 1343 x 2042
Machine weight in kg	1890
Strapping	4-fold with polyester tape

## HSM HL 3521 S / HL 3521 T



To ensure our customers have the right machine for their needs, we have developed two variants of our tried and tested HSM HL 3521 baler. The HSM HL 3521 S, with its exceptionally large loading aperture is the perfect machine for compressing large quantities of paper, cardboard, foils or packaging material and for extremely large and bulky materials. It has also been especially designed for compressing strongly expanding material such as foam. The model HSM HL 3521 T can be filled via conveyor and is specially designed to compact tyres. Of course, other packaging materials can also be compressed.

- Hydraulic counterplate for bale removal ensures optimum operating convenience and safety
- The full stroke of the press ram ejects the bale completely
- Stored-program controller PLC
- High levels of compression are ensured by optimally dimensioned retaining claws
- Optimum operation ensured by the return stroke of the press ram
- Hydraulic loading flap for maximum operating comfort and for precompressing
- Safeguarding of the operating area with protective grid (HSM HL 3521 T) or infrared light curtains (HSM HL 3521 S) for maximum operator safety
- The unique design and controllable positioning of the press ram allows for easy cleaning and servicing

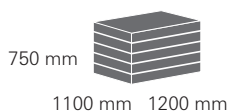
Model	HSM HL 3521 S	HSM HL 3521 T
Pressing power in kN	320	320
Motor in kW	9.2 / 22	22
Voltage / Frequency	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz
Loading aperture (W x L) in mm	800 x 2100	800 x 2100
Loading height in mm	1200	1200
Bale weight in kg (depending on material)	up to 600	up to 850
Maximum bale size (W x H x L) in mm	800 x 1000 x 1200	800 x 1000 x 1200
Cycle time idle operation (theor.) / incl. loading flaps in sec.	71 / 44	44
Dimensions of machine (L x W x H) in mm	8100 x 1903 x 2493	8120 x 1870 x 2658
Machine weight in kg	7100	8100
Strapping	6-fold with Quick-link wire (tape as option)	5-fold with Quick-link wire

## HSM HL 4809 ST / HL 4812



With their technical features, operating concept and special design for bulky cardboard, the HSM HL 4809 ST and HSM HL 4812 are optimal for retail and small central storage facilities. The HSM HL 4809 ST produces bales with a cross-section of 1100 x 750 mm and a weight of up to 420 kg, therefore achieving an optimum HGV capacity. The integrated hydraulic lifting/tilting device significantly reduces the number of people required to compact the recycling material. Both models are an economical solution with a fast return on investment. The HSM HL 4812 can be fed manually or via conveyor. Bale ejection is handled by the machine efficiently and safely with minimum operator effort. All in all a sophisticated solution for small to medium quantities at a great price-performance ratio and high automation level.

HSM HL 4812



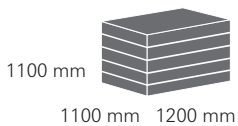
- Very low space requirement
- Compresses cardboard and film
- Especially large loading aperture for bulky materials
- Convenient filling via hydraulic lifting/tilting device (HSM HL 4809 ST)
- HSM HL 4812 suitable for continuous loading, for example via conveyor
- Hydraulic sliding door for bale removal ensures optimum operating convenience and safety
- High specific pressing power provides a high compaction of the material and consequently an optimum HGV load
- Intuitive, multilingual operational guidance via graphic description
- Pallet locking mechanism for safe bale removal
- The HSM HL 4809 ST is also available as a variant with automatic start or with a bevelled hopper for manual loading

Model	HSM HL 4809 ST	HSM HL 4812
Pressing power in kN	480	480
Motor in kW	9.2 + 1.5	15 / 22
Voltage / Frequency	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz
Loading aperture (W x L) in mm	1020 x 900	1020 x 1250
Loading height in mm	-	1455
Bale weight in kg (depending on material)	up to 420	up to 420
Maximum bale size (W x H x L) in mm	1100 x 750 x 1200	1100 x 750 x 1200
Cycle time idle operation (theor.) in sec.	approx. 35	approx. 37.5 / 27.3
Dimensions of machine (L x W x H) in mm	5926 x 1978 x 2042	5116 x 2411 x 2558 (bevelled hopper)
Machine weight in kg	approx. 5900	approx. 7000
Strapping	4-fold horizontally with Quick-link wire	4-fold horizontally with Quick-link wire

## HSM HL 7009 / HL 7009 MGB



HSM HL 7009 / HL 7009 MGB



These very compact, horizontal working counterplate presses are suitable for large disposal tasks in retail and in small to medium central facilities. The bales from an HSM HL 7009 have a cross-section of 1100 x 1100 mm with a bale length of 1200 mm and can weigh up to 600 kg. Both machines therefore achieve an optimum HGV capacity. With the large bales from the HSM HL 7009, you also save on handling expenses. The integrated hydraulic lifting/tilting device significantly reduces the number of people required to compact the recycling material. Both models are an economical solution with a fast return on investment.

- Very low space requirement thanks to compact and sturdy design
- HSM HL 7009 MGB – emptying of large refuse containers (1 x 1100 l or 2 x 240 l)
- Compresses cardboard and plastic film
- Especially large loading aperture for bulky materials
- Convenient filling via hydraulic lifting/tilting device
- Hydraulic sliding door for bale removal ensures optimum operating convenience and safety
- Optimised bale dimensions and bale weights for efficient truck loading
- High specific pressing power provides a high compaction of the material and consequently an optimum HGV load
- Intuitive, multilingual operational guidance via graphic description
- The HSM HL 7009 is also available as a variant with automatic start or with a bevelled hopper for manual loading

Model	HSM HL 7009	HSM HL 7009 MGB
Pressing power in kN	700	700
Motor in kW	9.2 + 1.5	9.2 + 1.5
Voltage / Frequency	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz
Specific pressing power in N/cm <sup>2</sup>	approx. 58	approx. 58
Cycle time of lifting / tilting system in sec.	17	17
Cycle time in idle operation (theor.) incl. lifting / tilting system in sec.	approx. 47 (full stroke), approx. 33 (part stroke)	approx. 47 (full stroke), approx. 33 (part stroke)
Loading aperture (W x L) in mm	1020 x 900	1020 x 900
Bale size (W x H x L) in mm	1100 x 1100 x 1200	1100 x 1100 x 1200
Bale weight in kg, depending on material in kg (with 1200 mm length)	up to 600	up to 600
Dimensions of machine (W x D x H) in mm	5992 x 2066 x 2394	5813 x 1994 x 3690
Required space for the machine including pivoting radius of the lifting/tilting system (trolley) and pallet for the bale (W x D x H) in mm	5992 x 2901 x 2975	6523 x 1994 x 3782
Machine weight in kg	approx. 7400	approx. 7400
Strapping, manual	4-fold horizontally with Quick-link wire	4-fold horizontally with Quick-link wire

## Our references



### himolla

When manufacturing our high-quality upholstered furniture, large quantities of offcuts are produced every day in the foam assembly. We press these with the new HL 3521 S from HSM in a much shorter time than before.

Thanks to the simple and intuitive operation of the HSM press and the use of the Quick-Link wire, we were able to reduce the process costs considerably. The bales weigh 350 to 400 kg and therefore contain up to 50 % more material than before.

This makes selling the bales more lucrative and saves costs for storage and transport.



**CHRISTIAN HUBER**

Deputy Head of Foam Assembly  
himolla Polstermöbel GmbH

## Experience HSM's quality and service!



### Which is the right baling press for you?

It is not always easy to decide which is the right system for a particular disposal task. We have specialists and dealers all over the world who can analyse your needs on site and give you detailed advice. Only then can you be sure that you will get the right baler to suit your specific requirements.

### When does a baling press start paying for itself?

Are you wondering what financial benefits a baling press might have over your existing disposal system? We will calculate the costs you will save by using a baling press rather than external disposal for your individual situation.

### What quality can I expect from HSM?

We build high-quality, reliable products to the highest standards of German engineering. In order to meet these standards, we produce the majority of components ourselves, and are certified according to DIN EN ISO 9001.

### How long is my warranty?

All our baling presses have a one-year warranty (in single-shift operation).

### And if something does go wrong?

We certainly won't leave you alone. Our service guarantees personal support in all service issues – before and after purchase! Our agents and trading partners provide advice and assistance in many countries worldwide.

### HSM all-round service ...

... ensures that you no longer have to worry about maintenance prevention. HSM offers service contracts for every need – for the long service life of your press and to save you money.

### Renting our baling presses?

HSM gives you the option of renting our baling presses. There are various possibilities which our sales team will be happy to explain.

### Any special wishes?

Some materials place special demands on a baling press, HSM offers various versions to meet these requirements. Special solutions are also available on request.



● **Head office and production sites in Germany**

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● **Sales and service points**