

ENVIRONMENTAL  
TECHNOLOGY

***HSM Horizontal Baling Presses***  
***Waste Management Solutions***  
***for Industry, Retailers and Manufacturers***



**HSM<sup>®</sup>**



## 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 incorporated 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.

## HSM quality has an obvious reason: The "Made in Germany" seal of approval.

HSM has always adhered to quality principles, whether in development and construction, production, project planning or service. All HSM plants are certified according to DIN EN ISO 9001 and work towards the creation of long-lasting products that retain the value of the HSM brand long into the future. The clear belief in German

production is a part of the responsibility that comes with being an integral part of the regional community. In HSM plants, motivated and highly-skilled professionals are dedicated to securing the position of HSM in Germany.



### Wide range of application:



cardboard



car tyres



PET/UBC



expanding foams



stiff plastics



plastic film

Further materials  
upon request



# ***HSM Horizontal Baling Presses – Advantages and features***



**HSM HL 3521**

## ***Advantages:***

- **The volume of any kind of packaging material is reduced by up to 95 % in a matter of seconds!**
- **Application areas:** wholesale, manufacturers, logistics, central stores, paper industry, printing plants, distribution centres
- **Materials:** paper, cardboard, plastic film, expanding foams, polystyrene, hollow vessels, metal buckets, barrels, car tyres and much more
- **Pressing power:** from 80 kN to 320 kN
- **Bale weight:** up to 600 kg
- **Low overall height, large loading aperture,** also suitable for bulky material

## ***Technical features:***

- **Long service life** due to the wear-resistant electro-hydraulic drive
- **High throughput capacity** with large loading aperture
- **Low subsequent costs** due to low-maintenance hydraulics
- **Smooth, trouble-free operation** due to torsion-free press ram guidance with roller bearings
- **Easy operation** by membrane keypad
- **Optimal compression** due to retaining claws in the press chamber
- **Polythene bag attachment** as option
- **Feeding:** manual or automatic
- **Bale strapping:** manual, with polyester tape or wire



## HSM AK 807

*Small and powerful.*

*The HSM AK 807 is the smallest model in the HSM range for continuous feeding. Material such as cardboard and light paper can be fed continuously via the loading hopper. This machine is also especially suitable for air feed connection. The compression cycle is controlled via light barrier.*

- Suitable for applications with a throughput of up to approx. 36 m<sup>3</sup>/hour
- Loading hopper for continuous feeding
- Manual strapping
- Low price, reliable
- Specialist machine for cardboard and light paper

## HSM AK 1407 Kontinuo

*Multifunctional and flexible.*

*The efficient solution when it comes to the continuous compression of large quantities of paper, cardboard, textile fibres and plastic packaging. Due to the wide, convenient loading hopper the HSM AK 1407 Kontinuo is ideal for an air feed connection. The compression cycle is controlled via a light barrier. Four castors provide mobility.*

- Suitable for applications with a throughput of up to approx. 35 m<sup>3</sup>/hour
- Fully automatic compression
- Loading hopper for continuous feeding
- Manual strapping
- Compresses paper, cardboard, textile fibres and plastic packaging

### Technical data explanations (for all horizontal baler models):

- **Bale size** The height/length of the bales varies depending to the expansion force of the compressed material.
- **Hourly output** The hourly output depends on the type and quantity of the material to be pressed, and on the number of persons loading the machine.
- **Cycle time in idle operation (theor.)** The time it takes for the press ram to move forward/down without material and return idling to the home position. The pressing time does not depend on material.

Model	HSM AK 807	HSM AK 1407 Kontinuo
Pressing power in kN	82	140
Motor in kW	4	7.5
Voltage / Frequency	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz
Loading aperture W x L in mm	450 x 710	650 x 650
Loading height in mm	1400	1535
Bale weight in kg, depending on material	up to 60	up to 120
Maximum bale size W x H x L in mm	500 x 500 x 400 - 800	700 x 600 x 300 - 700
Hourly output in bales	6 - 10	6 - 10
Cycle time idle operation (theor.) in sec.	17.6	27.3
Dimensions of machine L x W x H in mm	3940 x 1140 x 1310	3600 x 970 x 1940
Machine weight in kg	1000	1500

All technical data and dimensions are approximate values. Technical and design modifications reserved.



## HSM 8 TE

**Size doesn't matter!**

**In terms of performance, efficiency and flexibility our mobile HSM 8 TE small baler is hard to beat. This compact baling press is also extremely easy to operate: insert the strapping tape, switch it on and watch it go! Also the strapping and ejection of the bales can be performed easily. The complete bale ejection means that the compact bales are ejected by the machine directly onto a pallet and can be easily transported to a storage location.**

- Automatic return stroke of press ram after the pressing cycle
- Secured loading flap during compression by encoded solenoid switch
- Convenient bale strapping with continuous polyester tape
- The electronically secured bale removal door with automatic bale unloading provides the highest ease of operation



## HSM 12 Gigant

**Flexible compactor for voluminous material.**

**Our HSM 12 Gigant is in its element anywhere where voluminous cardboard packaging, plastic film or other materials need to be pressed. The extremely large loading aperture makes the unit simple and convenient to load. The result is compact bales which can be easily transported. And if the baler is required urgently in another part of the company – no problem: its 4 castors mean that it can be used anywhere at any time.**

- The standard hardened chrome-plated piston rod guarantees a long service life
- The hydraulic counter plate provides the highest ease of operation and reliability
- Fast, convenient, 3-fold bale strapping with continuous polyester tape
- The full stroke of the press ram ejects the bale completely

Model	HSM 8 TE	HSM 12 Gigant
Pressing power in kN	80	140
Motor in kW	4	7.5
Voltage / Frequency	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz
Loading aperture W x L in mm	645 x 730	800 x 1200
Loading height in mm	690	780
Bale weight in kg, depending on material	up to 70	up to 150
Maximum bale size W x H x L in mm	645 x 505 x 500	800 x 600 x 900
Hourly output in bales	4 - 7	3 - 7
Cycle time idle operation (theor.) in sec.	21	30
Dimensions of machine L x W x H in mm	2520 x 780 x 850	4300 x 1030 x 1630
Machine weight in kg	590	1280

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## HSM HL 1615

The Keyword is "Rugged"!

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

- High throughput capacity with large split loading aperture
- The standard hardened chrome-plated piston rod guarantees a long service life
- The hydraulic counterplate provides the highest ease of operation and reliability
- Manual bale strapping with continuous polyester tape, available as 3-fold or 4-fold version
- 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

Model	<b>HSM HL 1615</b>
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 180
Maximum bale size W x H x L in mm	700 x 800 x 1100
Hourly output in bales	3 - 7
Cycle time idle operation (theor.) in sec.	32
Dimensions of machine L x W x H in mm	4530 x 1100 x 1990
Machine weight in kg	1700 ( 3-fold strapping) / 1800 (4-fold strapping)

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## HSM HL 3521 / HL 3521 S

All-round professional expertise

**There are two models of this professional machine available to ensure that you have the right unit for the material you need to press. The basic model, the HL 3521, with its exceptional 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. The 6-fold strapping is performed in a manual process with continuous polyester tape or wire. The HL 3521 S has been especially designed for compressing strongly expanding material such as foam. With a powerful 22 kW drive, very large loading aperture and manual 6-fold strapping with Quick-Link wire, this machine is perfect for compressing difficult materials. 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 infrared light curtains
- The unique design and controllable positioning of the press ram allow for easy cleaning and servicing

Model	HSM HL 3521	HSM HL 3521 S
Pressing power in kN	320	320
Motor in kW	9.2 / 15	22
Voltage / Frequency	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz
Loading aperture W x L in mm	740 x 2100	740 x 2100
Loading height in mm	1200	1200
Bale weight in kg, depending on material	up to 600	up to 500
Maximum bale size W x H x L in mm	800 x 1000 x 1200	800 x 1000 x 1200
Hourly output in bales	3 - 7 / 4 - 7	4 - 7
Cycle time idle operation (theor.) in sec.	46 / 24	21
Dimensions of machine L x W x H in mm	6700 x 1650 x 2485	7900 x 1650 x 2485
Machine weight in kg	5500	5900

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Hauptsitz Deutschland /  
Headquarters Germany:

HSM GmbH + Co. KG  
Austrasse 1 - 9  
88699 Frickingen

Tel. +49 (0) 75 54 / 2100-0  
Fax +49 (0) 75 54 / 2100-160  
info@hsm.eu  
www.hsm.eu  
www.securio.com  
www.v-press.com

Vertrieb / Sales:

Gratis Hotline  
DE, AT, BE, NL, LU, DK  
Tel. 00800 44 77 77 66  
Fax 00800 44 77 77 67

HSM Vertrieb Deutschland  
Deutschland@hsm.eu

HSM Vertrieb Österreich  
Austria@hsm.eu

HSM Verkoop België, Nederland,  
Luxemburg  
Benelux@hsm.eu

HSM Salgs Support Danmark  
Danmark@hsm.eu

HSM Commerciale Italia  
Italia@hsm.eu

HSM GmbH + Co. KG  
Oficina Barcelona  
C/Tona  
Nave n° 15 "El Lago"  
Pol. Ind. Monguit  
08480 L'Ametlla del Vallès  
BARCELONA  
Linea Servicio Técnico Gratuita  
Tel. 00800 44 77 77 66  
Fax 00800 44 77 77 67  
Spain@hsm.eu

HSM France SAS  
Parc de Genève  
240, Rue Ferdinand Perrier  
69800 SAINT-PRIEST  
Tél. +33 (0) 810.12.26.33  
Prix d'un appel local  
Fax +33 (0) 4.72.51.74.81  
France@hsm.eu

HSM of America LLC  
1075 Andrew Drive, Suite C  
West Chester  
PA 19380  
Tel. (610) 918-4894  
(800) 613-2110  
Fax (610) 918-4899  
customerservice@hsmofamerica.com  
info@hsmofamerica.com  
www.hsmofamerica.com

HSM (UK) Ltd.  
14 Attwood Road / Zone 1  
Burntwood Business Park  
Burntwood  
Staffordshire  
WS7 3GJ  
Tel. +44 (0) 1543.272.480  
Fax +44 (0) 1543.272.080  
info@hsmuk.co.uk  
www.hsmuk.co.uk

HSM Polska SP. z o.o.  
ul. Emaliowa 28  
02-295 Warszawa  
Tel. +48 / 22 - 862 23 69/70  
Fax +48 / 22 - 862 23 68  
info@hsm Polska.com  
www.hsm Polska.com

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