



# HSM Baling Press Systems

Waste disposal solutions for all application areas

# Baling presses for every application, every material and every individual demand.

HSM baling presses are the specialist solution for compressing waste materials by up to 95% into sorted, easily transportable bales. The product portfolio ranges from vertical and horizontal presses for trading and manufacturers to shredder

baler systems, PET/UBC compaction technology and fully automatic baling press systems for professional waste disposal companies. Regardless of the material, the volume or the location - HSM has the product for you.



## We like to do things differently: namely better.

Welcome to the update from HSM - and what stands behind it: Our People. Because even though the highest quality, reliable service and innovative product ideas have made us into one of the market leaders for baling presses, the minds, ideas and input of our entire team are always behind them

for our customers. You can find out more about us and the key differences that make up an HSM baler in the next few pages. So get to know us and send us your request! You can rest assured: You'll always get more than a baling press!

## Using HSM machines means reducing CO<sub>2</sub> emissions.

We believe: if you work in “environmental technology”, you have to follow a holistic approach in terms of the environment. Firstly, in the design and construction of our presses: here we place the focus on handling resources in a responsible way. HSM presses thus retain their value over an especially long time and work extremely energy efficiently.

- Heating of almost 6200 m<sup>2</sup> of company space through heat recovery from production
- Heating of the remaining production spaces with gas radiation heating, which saves energy through low warm-up times
- Recycled transport and packaging materials
- Exclusive use of environmentally-friendly, recyclable operating materials and aids
- Avoidance of unnecessary transportation through direct compression of waste materials in production
- Recirculation of around 60% of coolants into the production system

The dimensions and weights of bales produced using HSM presses allow an optimal loading of the truck. This means less empty space, and less expensive and environmentally damaging journeys. The new design of the frequency-controlled drive makes an even greater contribution towards environmental protection and to the efficiency of the presses. It saves up to 40% of the energy used by standard drives.



HSM quality “Made in Germany”



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 withng an integral part of the regional community. In HSM manufacturing plants, motivated and highly-skilled professionals are dedicated to securing the longterm success of HSM.

# We are your partner – for products and project planning!

HSM does not just offer hardware alone, but provides individual system solutions as well. When it comes to demanding systems, you can benefit from our extensive know-how and broad experience. Experienced HSM specialists assist you right from the start on site and provide ongoing support and service.

With the wide range of options and accessories, our disposal solution can be fully integrated into your existing operation and processes. The individualised design makes the entire system efficient. Get in touch with us and HSM will find the right solution for your individual requirements.



Hubert Veaser, Head of Project Engineering

## Examples for compressible materials



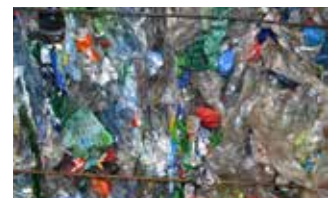
Foils



Cardboard



Paper



PET bottles



Plastics



Plastics



Plastics



Plastics

# Our reference customers

HSM machines are suited for (virtually) any task – worldwide. Models and solutions from a wide variety of product areas are used to achieve this result. See for yourself how HSM baling presses and HSM document shredders prove themselves in daily use in the following examples. On request, we would be glad to provide you with reference addresses for your applications.



VK 7215 R · Schuler Rohstoff GmbH · Deisslingen/Germany



VK 8818 R · Euro Pool System International B.V. · Budapest/Hungary



VK 12018 R · Breitsamer Entsorgung GmbH · Munich/Germany



VK 12018 R · SITA Rohstoffwirtschaft GmbH · Hochheim/Germany





## Among all of the advantages, one decisive plus point exists: HSM Service.

We deliver quality and are also responsible for this after the sale. We take service seriously, and are committed to helping our customers in the best way possible.

- On-site specialist advice from experienced consultants in the sales and project teams
- Calculation of cost savings by using a HSM baling press in comparison with the current disposal solution
- Review and formulation of the individual tasks and requirements
- Arranging meetings between the customer, field service and project team
- Implementation of special solutions
- Project drawings
- Transport organisation; coordination of other partners

This not only applies to our headquarter but also in all HSM service centres in Germany and all over the world.

- Installation, instructions and start-up
- Maintenance, servicing and upkeep
- Maintenance contracts
- 38 service centres in Germany, Austria, Switzerland, Belgium, the Netherlands and Italy
- More than 30 service engineers available at the subsidiaries (Great Britain, France, Poland, Spain, USA)
- Partner companies in more than 100 countries
- Service training for engineers and operators on-site or in the HSM training centre by the HSM Academy

# The HSM product finder: We will show you our best side!

“Tell us who you are and we will tell you which baling press you need!” Each industry has its own requirements for pressing materials, volumes and so on. Use our product finder to select the baler for your needs. The solutions shown here present the classical and most frequently used system

recommendations. Many HSM system solutions are also suitable for almost all requirements in addition to the uses displayed here. Contact us if you have other materials or applications. We will find you a suitable solution.

**Industry**  
**Small material loads \***  
(processing industry, department stores, document shredding facilities, others)

**Industry**  
**Small to medium material loads\***  
(PET bottles disposal, document shredding facilities, printing and paper industry)

**Industry**  
**Medium material loads\***  
(processing industry, department stores, document shredding facilities, printing and paper industry, others)

**Industry**  
**High material loads\***  
(processing industry, PET bottles disposal, department stores, document shredding facilities, printing and paper industry, others)

**Disposal Companies\***  
for medium and heavy as well as abrasive materials  
(e.g. sorted residual waste)

Throughput up to approx.	machine
36 m <sup>3</sup> /h **	AK 807

Throughput up to approx.	machine
28 m <sup>3</sup> /h **	VK 807 V
50 m <sup>3</sup> /h **	VK 1005
92 m <sup>3</sup> /h **	VK 1206
110 m <sup>3</sup> /h **	VK 1210
113 m <sup>3</sup> /h **	VK 2306
134 m <sup>3</sup> /h **	VK 2310

Throughput up to approx.	machine
197 m <sup>3</sup> /h **	VK 3008
214 m <sup>3</sup> /h **	VK 2012
216 m <sup>3</sup> /h **	VK 4208
228 m <sup>3</sup> /h **	VK 3012
239 m <sup>3</sup> /h **	VK 4012
251 m <sup>3</sup> /h **	VK 4212
268 m <sup>3</sup> /h **	VK 4812 V
268 m <sup>3</sup> /h **	VK 4812 P
332 m <sup>3</sup> /h **	VK 4812

Throughput up to approx.	machine
308 m <sup>3</sup> /h **	VK 5012
340 m <sup>3</sup> /h **	VK 6015
498 m <sup>3</sup> /h **	VK 7215
535 m <sup>3</sup> /h **	VK 5512
643 m <sup>3</sup> /h **	VK 8818
887 m <sup>3</sup> /h **	VK 12018
873 m <sup>3</sup> /h **	VK 15020

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\* = classical applications

\*\* = max. throughput capacity (theor.) in m<sup>3</sup> per hour

## AK 807

For industrial applications with small material loads

- Suitable for continuous loading
- Variety of uses
- Operating side can be selected
- Compact bale dimensions
- Low space requirement
- Approved system solution and technology
- Control of compression cycle via light barrier



HSM AK 807

▶ Processing industry

▶ Department stores

▶ Document shredding facilities

▶ Others

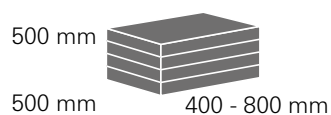




Throughput up to approx. 36 m<sup>3</sup>/ hour

## HSM AK 807

- Continuous feeding baling press
- Manual strapping
- Low price, reliable
- Especially suitable for air feed connection
- Mainly presses cardboard and light paper



Model	<b>HSM AK 807</b>
Pressing power	82 kN
Volume throughput	up to approx. 0,72 t / h
Bulk weight	up to approx. 20 kg / m <sup>3</sup>
Bale weight (depending on material)	up to approx. 60 kg
Cycle time	approx. 17,6 s / cycle
Strapping (manual)	3-fold horizontal with polyester tape

# VK 807 V, VK 1005, VK 1206, VK 1210, VK 2306, VK 2310

For industrial applications with small to medium material loads

- Suitable for continuous loading
- Variety of uses
- Suitable for many different materials
- Operating side can be selected
- Control of compression cycle via light barrier
- Compact bale dimensions
- Low space requirement
- Available as an option with manual strapping



HSM VK 2310

- ▶ Processing industry
- ▶ PET bottles disposal

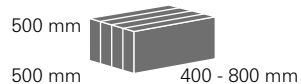
- ▶ Document shredding facilities
- ▶ Printing and paper industry



Throughput up to approx. 28 m<sup>3</sup>/ hour

## HSM VK 807 V

- The smallest fully-automatic baling press
- Particularly suitable for cardboard, foils and bleeds of paper
- Compact design
- Fully automatic vertical strapping
- Optimal for integration in assembly line



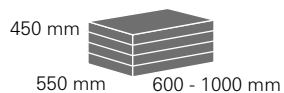
Model	<b>HSM VK 807 V</b>
Pressing power	82 kN
Volume throughput	up to approx. 0,55 t / h
Bulk weight	up to approx. 20 kg / m <sup>3</sup>
Bale weight (depending on material)	up to approx. 60 kg
Cycle time	approx. 23,2 s / cycle
Strapping (fully automatic)	2-fold vertical with wire



Throughput up to approx. 50 m<sup>3</sup>/ hour

## HSM VK 1005

- Particularly suitable for the connection with HSM Duo or TriShredder
- Optimal for compressing shredded paper and cardboard



Model	<b>HSM VK 1005</b>
Pressing power	110 kN
Volume throughput	up to approx. 1 t / h
Bulk weight	up to approx. 20 kg / m <sup>3</sup>
Bale weight (depending on material)	up to approx. 120 kg
Cycle time	approx. 8,4 s / cycle
Strapping (fully automatic)	3-fold horizontal with wire



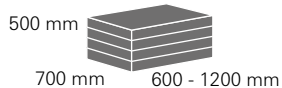
Throughput up to approx. 110 m<sup>3</sup>/ hour

## HSM VK 1206

- Tried and tested for years, reliable and with multiple uses
- Particularly suitable for cardboard, foils and PET bottles
- Optimal for connecting to air feeding systems (fast cycle times) - 600 mm loading aperture
- Available as an option with manual strapping

## HSM VK 1210

- Similar to VK 1206, with larger loading length
- Particularly suitable for cardboard, foils and PET bottles
- Available as an option with manual strapping
- Loading aperture of 1000 mm suitable for larger material pieces and higher throughput rates



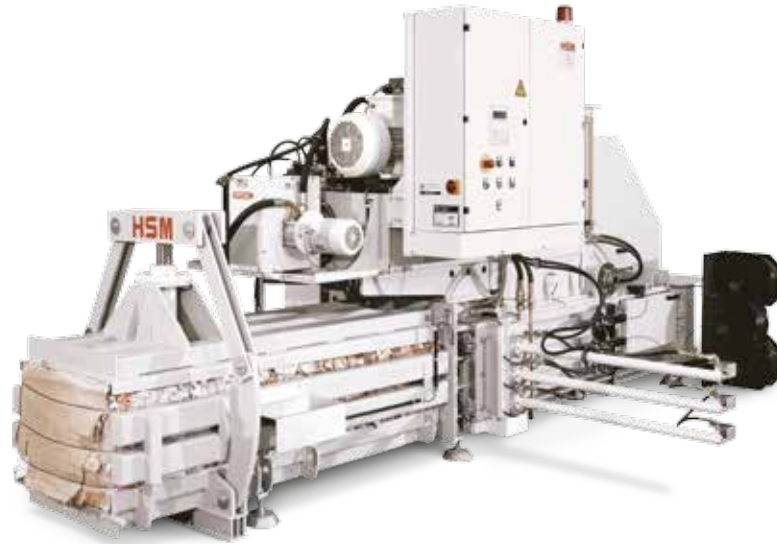
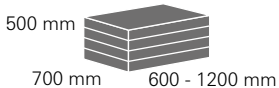
Model	HSM VK 1206	HSM VK 1210
Pressing power	160 kN	160 kN
Volume throughput	up to approx. 1,84 t / h with 20 kg / m <sup>3</sup>	up to approx. 2,2 t / h with 20 kg / m <sup>3</sup>
Bulk weight	up to approx. 40 kg / m <sup>3</sup>	up to approx. 40 kg / m <sup>3</sup>
Bale weight (depending on material)	up to approx. 200 kg	bis. approx. 200 kg
Cycle time	approx. 8,2 s / cycle	approx. 11,5 s / cycle
Strapping (fully automatic)	3-fold horizontal with wire	3-fold horizontal with wire



Throughput up to approx. 113 m<sup>3</sup>/ hour

## HSM VK 2306

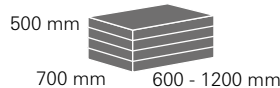
- Similar to VK 12 series, with higher pressing power
- High bale density, high bale weights, high shearing forces
- Compresses paper, cardboard, foils and PET bottles
- Particularly suitable for PET compaction and for special applications



Throughput up to approx. 134 m<sup>3</sup>/ hour

## HSM VK 2310

- Similar to VK 12 series, with higher pressing power
- High bale density, high bale weights, high shearing forces
- Compresses paper, cardboard, foils and PET bottles
- Loading aperture of 1000 mm suitable for larger material pieces and higher throughput rates



Model	HSM VK 2306	HSM VK 2310
Pressing power	240 kN	240 kN
Volume throughput	up to approx. 5,6 t / h	up to approx. 6,7 t / h
Bulk weight	up to approx. 50 kg / m <sup>3</sup>	up to approx. 50 kg / m <sup>3</sup>
Bale weight (depending on material)	up to approx. 250 kg	up to approx. 250 kg
Cycle time	approx. 6,7-12,3 s / cycle	approx. 9,4-17,2 s / cycle
Strapping (fully automatic)	3-fold horizontal with wire	3-fold horizontal with wire

# VK 2012, VK 3008, VK 3012, VK 4208, VK 4212, VK 4812, VK 4812 V, VK 4812 P

For industrial applications with medium material loads

- Throughput up to approx. 12.5 tons per hour
- Suitable for continuous loading with conveyor belt, air feeding or similar
- Suitable for different materials with bulk weights up to 60 kg/m<sup>3</sup>
- Operating side can be selected
- Versatile use, also suitable for special materials (on request)
- Control of compression cycle via light barrier
- High compression and bale weights
- Integration into automated industrial production processes



HSM VK 4812

- ▶ Processing industry
- ▶ Department stores
- ▶ Others

- ▶ Document shredding facilities
- ▶ Printing and paper industry



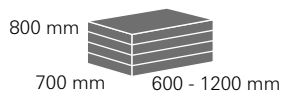
Throughput up to approx. 214 m<sup>3</sup> / hour



Throughput up to approx. 228 m<sup>3</sup> / hour

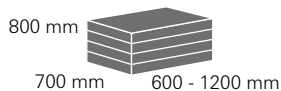
## HSM VK 2012

- Low price solution for light goods up to approx. 40 kg/m<sup>3</sup> bulk weight
- Particularly suitable for compressing lighter cardboard
- Large loading aperture suitable for bulky materials



## HSM VK 3008 / VK 3012

- Versatile solution for materials up to approx. 50 kg/m<sup>3</sup> bulk weight
- Particularly suitable for compression of paper, cardboard and foils
- VK 3008 for fast cycle times, 800 mm loading aperture
- VK 3012 with large loading aperture (1140 mm length)



Model	HSM VK 2012	HSM VK 3008 / VK 3012
Pressing power	240 kN	310 kN
Volume throughput	up to approx. 4,3 t / h with 20 kg / m <sup>3</sup>	up to approx. 11,4 t / h with 20 kg / m <sup>3</sup>
Bulk weight	up to approx. 40 kg / m <sup>3</sup>	up to approx. 50 kg / m <sup>3</sup>
Bale weight (depending on material)	up to approx. 300 kg	up to approx. 350 kg
Cycle time	approx. 10,7-19,6 s / cycle	approx. 8,2-13,9 s / cycle
Strapping (fully automatic)	4-fold horizontal with wire	4-fold horizontal with wire

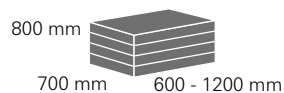




Throughput up to approx. 251 m<sup>3</sup> / hour

## HSM VK 4208 / VK 4212

- Versatile solution for materials up to approx. 60 kg / m<sup>3</sup> bulk weight
- Suitable for compressing paper, cardboard, shredded material and foils
- VK 4208 for fast cycle times, 800 mm loading aperture
- VK 4212 with large loading aperture for optimised feeding methods (1140 mm length)



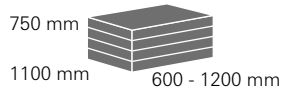
Model	<b>HSM VK 4208 / VK 4212</b>
Pressing power	420 kN
Volume throughput	up to approx. 12,5 t / h with 50 kg / m <sup>3</sup>
Bulk weight	up to approx. 60 kg / m <sup>3</sup>
Bale weight (depending on material)	up to approx. 420 kg
Cycle time	approx. 7,5-17,4 s / cycle
Strapping (fully automatic)	4-fold horizontal with wire



Throughput up to approx. 332 m<sup>3</sup> / hour

## HSM VK 4812

- For materials up to approx. 60 kg / m<sup>3</sup> bulk weight
- Particularly suitable for compression of cardboard and foils
- With large loading aperture and higher pressing power
- Large bales and high bale weights



Model	<b>HSM VK 4812</b>
Pressing power	480 kN
Volume throughput	up to approx. 16,6 t / h with 50 kg / m <sup>3</sup>
Bulk weight	up to approx. 60 kg / m <sup>3</sup>
Bale weight (depending on material)	up to approx. 550 kg
Cycle time	approx. 11,2-21,2 s / cycle
Strapping (fully automatic)	4-fold horizontal with wire

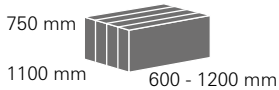


Throughput up to approx. 204 m<sup>3</sup> / hour

Throughput up to approx. 204 m<sup>3</sup> / hour

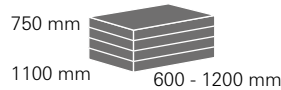
## HSM VK 4812 V

- For materials up to approx. 60 kg/ m<sup>3</sup> bulk weight
- Very low space requirement
- Especially large loading aperture for bulky materials
- High compression and bale weights
- Excellent price-/performance ratio
- Fully automatic vertical strapping



## HSM VK 4812 P

- For materials up to approx. 60 kg/ m<sup>3</sup> bulk weight
- Particularily suitable for compression of PET bottles
- Tandem connection of the main pressing cylinders for an extra compact design
- High compression and bale weights
- Excellent price-/performance ratio



Model	<b>HSM VK 4812 V</b>	<b>HSM VK 4812 P</b>
Pressing power	480 kN	480 kN
Volume throughput	up to approx. 13,4 t / h with 50 kg / m <sup>3</sup>	up to approx. 13,4 t / h with 50 kg / m <sup>3</sup>
Bulk weight	up to approx. 60 kg / m <sup>3</sup>	up to approx. 60 kg / m <sup>3</sup>
Bale weight (depending on material)	up to approx. 550 kg	up to approx. 550 kg
Cycle time	approx. 13,8-24,5 s / cycle	approx. 13,8-24,5 s / cycle
Strapping (fully automatic)	4-fold vertical with wire	4-fold horizontal with wire

## VK 4012

### For industrial applications with special requirements

- Throughput up to approx. 12 tons per hour
- Operating side can be selected
- Control of compression cycle via light barrier
- Suitable for materials with bulk weights up to approx. 40 kg / m<sup>3</sup>
- For continuous loading with conveyor belt or for manual feeding
- High compression and bale weights
- Suitable for integrating into automated production and disposal processes (e.g. central storages, distribution centres, etc.)



HSM VK 4012

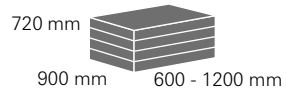
- ▶ Processing industry
- ▶ Disposal companies
- ▶ Department stores
- ▶ Others



Throughput up to approx. 239 m<sup>3</sup> / hour

## HSM VK 4012

- Versatile solution for materials up to approx. 40 kg/m<sup>3</sup> bulk weight
- Particularly suitable for compressing lighter packaging materials, such as cardboard and foils
- Compact, space-saving design
- Large loading aperture



Model	<b>HSM VK 4012</b>
Pressing power	450 kN
Volume throughput	up to approx. 12 t / h
Bulk weight	up to approx. 40 kg / m <sup>3</sup>
Bale weight (depending on material)	up to approx. 400 kg
Cycle time	approx. 12,2-16,7 s / cycle
Strapping (fully automatic)	3-fold horizontal with wire

## VK 5012, VK 5512, VK 7215

For professional disposal management or larger industrial applications - with high throughput rates

- 5-fold strapping for optimised bale result
- Particularly suitable for cardboard, paper and foils and also for compressing DSD goods and PET bottles
- Also suitable for materials with bulk weights higher 60 kg / m<sup>3</sup>
- Optimised bale dimensions and bale weights for efficient truck loading
- Large loading aperture, quick mode of operation
- Control of compression cycle via light barriers
- High compression and bale weights
- Available as an option with frequency-regulated drive – saves 40% of the energy used by standard drives



HSM VK 5512

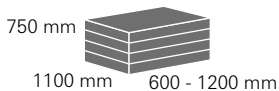
- ▶ Processing industry
- ▶ Document shredding facilities
- ▶ PET bottles/UBC disposal
- ▶ Printing and paper industry
- ▶ Department stores
- ▶ Others
- ▶ Disposal companies



Throughput up to approx. 308 m<sup>3</sup> / hour

## HSM VK 5012

- Suitable for cardboard, foils and compressing DSD goods, UBC as well as PET bottles (other materials on request)
- Optimised bale dimensions and bale weights for efficient truck loading
- Large loading aperture suitable for bulky material
- Programmable Siemens logic controller with touch panel
- Optimally adjusted software for different materials guarantees high bale quality even when material is frequently changed
- Solid steel construction with highly wear resistant steel parts inside the press chamber and press channel
- Easy access to all servicing parts due to large inspection doors



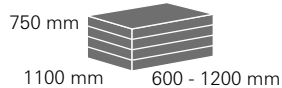
Model	<b>HSM VK 5012</b>
Pressing power	500 kN
Volume throughput	up to approx. 15,42 t / h with 50 kg / m <sup>3</sup>
Bulk weight	up to approx. 60 kg / m <sup>3</sup>
Bale weight (depending on material)	up to approx. 480 kg
Cycle time	approx. 12 - 22,8 s / cycle
Strapping (fully automatic)	4-fach horizontal mit Draht



Throughput up to approx. 535 m<sup>3</sup>/ hour

## HSM VK 5512

- Versatile solution also for materials with bulk weights higher 60 kg / m<sup>3</sup>
- Particularly suitable for compression of cardboard, foils, DSD goods, PET bottles, UBC and much more on request
- For continuous loading
- Available as an option with frequency-regulated drive – saves 40% of the energy used by standard drives



Model	<b>HSM VK 5512</b>
Pressing power	560 kN
Volume throughput	up to approx. 26,8 t / h with 50 kg / m <sup>3</sup>
Bulk weight	> 60 kg / m <sup>3</sup> with 50 kg / m <sup>3</sup>
Bale weight (depending on material)	up to approx. 550 kg
Cycle time	approx. 6,9-21,7 s / cycle
Strapping (fully automatic)	5-fold horizontal with wire

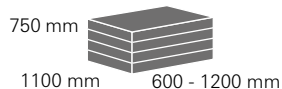




Throughput up to approx. 498 m<sup>3</sup> / hour

## HSM VK 7215

- Versatile system also for materials with bulk weights higher 60 kg / m<sup>3</sup>
- For professional disposal management or larger industrial applications
- High throughput capacity
- For cardboard, paper, foils, DSD goods, PET bottles, UBC and much more on request
- For continuous loading
- 1500 mm loading aperture
- Option: VK 7215 R suitable for residual waste (with wear-resistant steel)
- Available as an option with frequency-regulated drive – saves 40% of the energy used by standard drives



Model	<b>HSM VK 7215</b>
Pressing power	720 kN
Volume throughput	up to approx. 24,9 t / h with 50 kg / m <sup>3</sup>
Bulk weight	> 60 kg / m <sup>3</sup>
Bale weight (depending on material)	up to approx. 620 kg
Cycle time	approx. 8,9-13,2 s / cycle
Strapping (fully automatic)	5-fold horizontal with wire

# VK 6015

For industrial applications with special requirements

- 4-fold strapping for optimised bale result
- Particularly suitable for cardboard, paper and foils and also for compressing DSD goods, UBC and PET bottles
- Also suitable for materials with bulk weights higher 60 kg / m<sup>3</sup>
- Optimised bale dimensions and bale weights for efficient truck loading
- Large loading apertures, quick mode of operation
- Control of compression cycle via light barriers
- High compression and bale weights
- Available as an option with frequency-regulated drive – saves 40% of the energy used by standard drives



HSM VK 6015

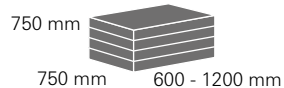
- ▶ Processing industry
- ▶ PET bottles/UBC disposal
- ▶ Department stores
- ▶ Disposal companies
- ▶ Document shredding facilities
- ▶ Printing and paper industry
- ▶ Others



Throughput up to approx. 340 m<sup>3</sup> / hour

## HSM VK 6015

- Very high specific pressure - for high compaction
- High shearing force
- Versatile system also for materials with bulk weights higher 60 kg / m<sup>3</sup>
- Particularly suitable for compression of paper, cardboard, foils, production remains, e.g. trimmings from a variety of materials
- For continuous loading
- Available as an option with frequency-regulated drive – saves 40% of the energy used by standard drives



Model	<b>HSM VK 6015</b>
Pressing power	720 kN
Volume throughput	up to approx. 17 t / h with 50 kg / m <sup>3</sup>
Bulk weight	> 60 kg / m <sup>3</sup>
Bale weight (depending on material)	up to approx. 470 kg
Cycle time	approx. 8,9-23,7 s / cycle
Strapping (fully automatic)	4-fold horizontal with wire

## VK 8818, VK 12018, VK 15020

For professional disposal management or major industrial applications

- Versatile use, tried and tested many times
- Suitable for most varied materials, e.g. cardboard, paper and foils, DSD goods, sorted residual waste and substitute fuels
- Also suitable for materials with bulk weights higher 60 kg / m<sup>3</sup>
- Large loading apertures, fast mode of operation
- High bale weights, optimised bale sizes
- Very sturdy construction
- Control of compression cycle via light barriers
- For continuous operation with all standard conveyor and feeding facilities
- Available as an option with frequency-regulated drive – saves 40% of the energy used by standard drives



HSM VK 12018



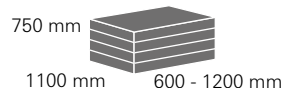
- ▶ Processing industry
- ▶ PET bottles/UBC disposal
- ▶ Department stores
- ▶ Disposal companies
- ▶ Document shredding facilities
- ▶ Printing and paper industry
- ▶ Others



Throughput up to approx. 643 m<sup>3</sup> / hour

## HSM VK 8818

- High pressing power
- 5-fold strapping for optimal bale result with expansive materials
- Loading aperture 1000 x 1800 mm suitable for bulky material
- Versatile solution also for materials with bulk weights higher 60 kg / m<sup>3</sup>
- Optimised bale dimensions and bale weights for efficient truck loading
- Option: VK 8818 R suitable for residual waste (with wear-resistant steel)
- Available as an option with frequency-regulated drive – saves 40% of the energy used by standard drives



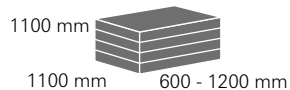
Model	<b>HSM VK 8818</b>
Pressing power	880 kN / 1000 kN
Volume throughput	up to approx. 32,1 t / h with 50 kg / m <sup>3</sup>
Bulk weight	> 60 kg / m <sup>3</sup>
Bale weight (depending on material)	up to approx. 800 kg
Cycle time	approx. 8,3-12,8 s / cycle
Strapping (fully automatic)	5-fold horizontal with wire



Throughput up to approx. 887 m<sup>3</sup> / hour

## HSM VK 12018

- Extremely high pressing power
- Optimised bale dimensions and bale weights for efficient truck loading
- Large loading aperture suitable for bulky material
- For large volumes
- 5-fold strapping for optimal bale result also with expansive materials
- For continuous operation with all standard conveyor and feeding facilities
- Solid steel construction with extremely wear-resistant, replaceable steel
- Easy access to all servicing parts by large inspection doors
- Modern control programme with touch screen
- Option: VK 12018 R suitable for residual waste (with wear-resistant steel)
- Available as an option with frequency-regulated drive – saves 40% of the energy used by standard drives



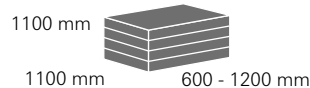
Model	<b>HSM VK 12018</b>
Pressing power	1200 kN
Volume throughput	up to approx. 44,4 t / h with 50 kg / m <sup>3</sup>
Bulk weight	> 60 kg / m <sup>3</sup>
Bale weight (depending on material)	up to approx. 1100 kg
Cycle time	approx. 8,8-14,5 s / cycle
Strapping (fully automatic)	5-fold horizontal with wire



Throughput up to approx. 873 m<sup>3</sup> / Stunde

## HSM VK 15020

- Very high pressing power
- 5-fold strapping for optimal bale result with expansive materials
- Very large loading aperture suitable for bulky material
- Versatile solution also for materials with bulk weights higher 60 kg / m<sup>3</sup>
- Optimised bale dimensions and bale weights for efficient truck loading
- Option: VK 15020 R suitable for residual waste (with wear-resistant steel)
- Available as an option with frequency-regulated drive – saves 40% of the energy used by standard drives



Model	<b>HSM VK 15020</b>
Pressing power	1500 kN
Volume throughput	up to approx. 43,6 t / h with 50 kg / m <sup>3</sup>
Bulk weight	> 60 kg / m <sup>3</sup>
Bale weight (depending on material)	up to approx. 1250 kg
Cycle time	approx. 10,0-15,6 s / cycle
Strapping (fully automatic)	5-fold horizontal with wire



# HSM special technical solutions and optional features

Anything you need is possible: Depending on the purpose and your individual requirements, other function modules can be added to each baling press. The modular system

comes with the solution to resolve disposal tasks in the best possible way. All models up to HSM VK 42 could also be equipped with manual strapping (AK).



## Shearing blade clearing device

- Removes material jams in front of the shearing blade



## Protective sound cover

- Protects the driving unit against dirt and dust and reduces the noise level to up to 9 dB(A)



## Feeding systems

- Lifting/tilting systems, conveyor technology or suction systems for loading the baling press



## Remote maintenance system

- For external communication and data transmission
- External monitoring of the machine via system and web-cam is possible for HSM and the customer
- Enables a long-term continuous machine operation, minimization of maintenance costs
- Usable as training device



## Pre-Compactor

- For pre-compacting pressing material
- Prevents bridges in the loading shaft
- Optimises filling and throughput capacity



## Frequency inverter

- Energy savings up to 40 % compared to the standard drive, process optimisation, energy-saving motor drive
- Available for VK 5512, VK 6015, VK 7215, VK 8818, VK 12018, VK 15020



## Perforator

PET-Perforator for versatile requirements and different feeding systems. Bulky PET- bottles are compressed to compact bales.

## Other options:

- Motors and pumps in many special voltages on request
- Control cabinet heating at ambient temperatures of below 10 °C
- Tank heating at ambient temperatures of below 4 °C
- Oil cooler for use during continuous operation or high ambient temperatures
- Extension of control system for multiple components with separate control panel in feeding area
- Less use of wire, thanks to the ability to switch off wire strappings manually
- Special paintwork in the colour of your choice
- Adaptation hopper for optimum connection to feeding conveyor, cyclone or similar
- Working hour meter
- Bale chute, bale discharge
- Acoustic or visual warning signals
- and much more

# Proven overall quality: Sophisticated solutions in the smallest

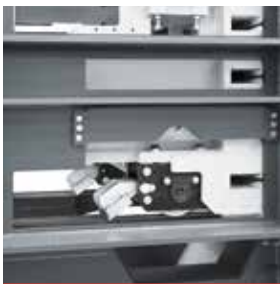
“The whole is more than the sum of its parts.” The combination of all detailed solutions means that each user reaps the maximum benefit. Longevity, economic efficiency, operator-

friendliness and durability - these are the typical benefits of each HSM baling press. A major argument for HSM balers is their economic efficiency during operation.



## Gimballed press\* cylinder system\*\*

- Tension free mounted press cylinder
- Reduced wear on the pressing cylinder and press ram guides
- Longer service life of the hydraulic cylinder and other components



## Solid press carriage guidance with easy maintenance access

- Optimal self cleaning of the roller track
- Individually arranged, movable rail cleaners
- Very strong roller bearings
- Direct lubrication



## Locking cylinder\*

- Increases operational safety during wire-  
strapping e.g. if there is a power cut
- Prevents the press ram being pushed  
back during bale strapping at  
emergency-stop or loss of power
- Prevents bending of the wire insertion  
cylinder



# detail.

A lower consumption of oil and energy keeps servicing costs low. In particular, the use of oil filter systems pays off quickly as the oil consumption is drastically reduced.

These advantages turn each HSM baling press into an investment that is profitable over its entire service life.

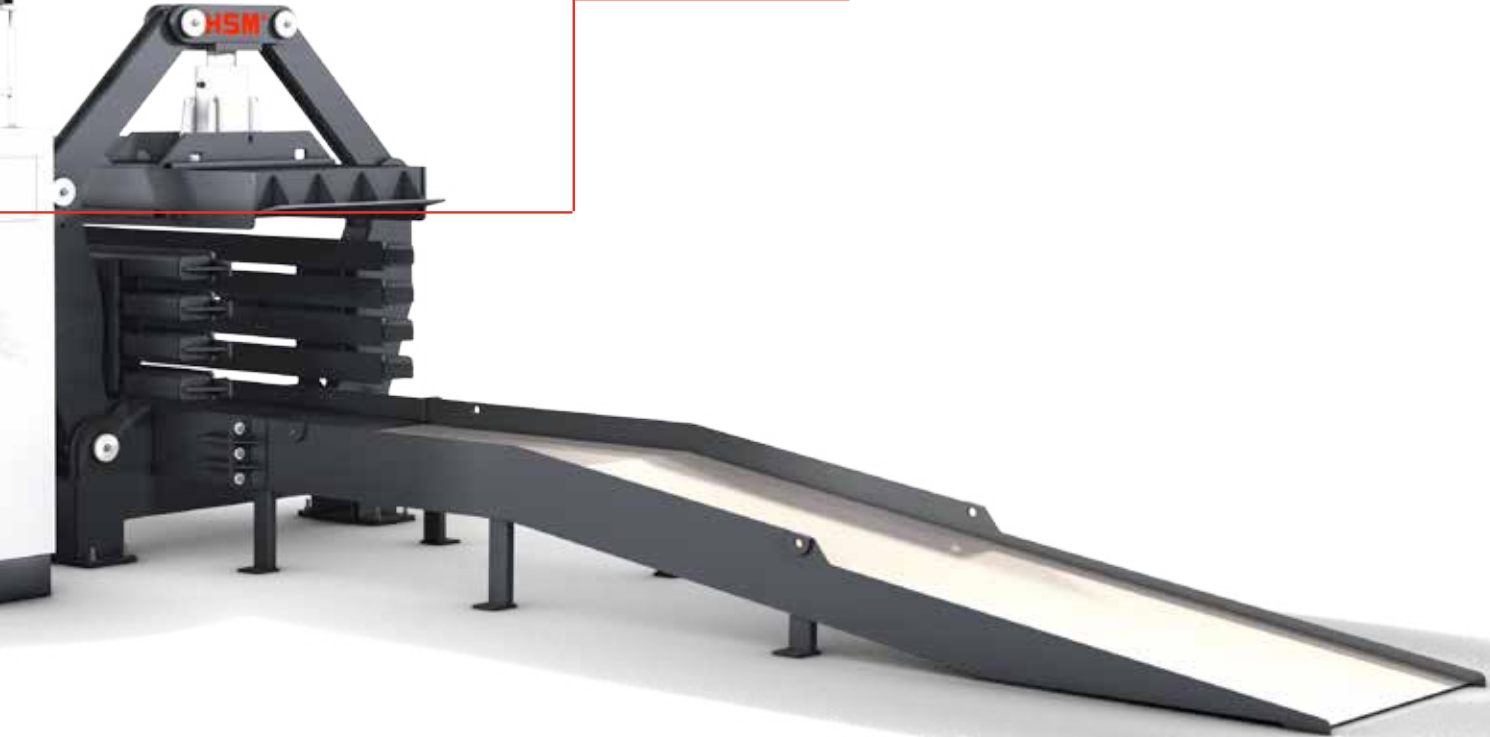
## Wear-resistant steel

- Use of wear-resistant steel for highly stressed areas
- Double-walled design of pressing chamber and pressing channel ensures easy maintenance and replacement\*
- Wear-resistant steel twisting fingers for a very long service life



## Frequency controlled drive

- Energy savings of up to 40 % compared to the standard drive with unchanged performance
- Process optimisation
- Energy-saving motor and machine drive
- Available as option\*



## Door safety lock system

- Key-operated inspection door safety lock system (Castle-lock) for highest level of operator safety\*

\* not available for VK 5012  
\*\* VK 5512 without gimbaled press cylinder system

# Technical details at a glance:

Model	Main driving power in kW	Main driving power with FC in kW	Pressing power in kN	Specific Pressing power in N/cm <sup>3</sup>	Cycle time in idle operation (theor.) in sec	Volume throughput in idle operation (theor.) in m <sup>3</sup> /h	Volume throughput at 20 kg/m <sup>3</sup> in t/h	Volume throughput at 50 kg/m <sup>3</sup> in t/h
<b>HSM AK 807</b>	4	-	82	32,8	17,6	36	0,72	-
<b>HSM VK 807 V</b>	4	-	82	32,8	23,2	28	0,55	-
<b>HSM VK 1005</b>	7,5	-	110	44,4	8,4	50	1,00	-
<b>HSM VK 1206</b>	9,2	-	160	45,7	8,2	92	1,84	-
<b>HSM VK 1210</b>	9,2	-	160	45,7	11,5	110	2,19	-
<b>HSM VK 2012</b>	9,2	-	240	42,9	19,6	117	2,34	-
	15	-	240	42,9	10,7	214	4,28	-
<b>HSM VK 2306</b>	9,2	-	240	68,6	12,3	62	1,23	3,08
	15	-	240	68,6	6,7	113	2,25	5,63
<b>HSM VK 2310</b>	9,2	-	240	68,6	17,2	73	1,47	3,67
	15	-	240	68,6	9,4	134	2,68	6,71
<b>HSM VK 3008</b>	15	-	310	55,4	11,3	143	2,86	7,16
	22	-	310	55,4	8,2	197	3,93	9,83
<b>HSM VK 3012</b>	15	-	310	55,4	13,9	166	3,31	8,29
	22	-	310	55,4	10,1	228	4,55	11,38
<b>HSM VK 4012</b>	15	-	450	69,4	16,7	174	3,49	8,72
	22	-	450	69,4	12,2	239	4,79	11,97
<b>HSM VK 4208</b>	22	-	420	75	10,3	157	3,13	7,83
	30	-	420	75	7,5	216	4,33	10,82
<b>HSM VK 4212</b>	15	-	420	75	17,4	132	2,64	6,61
	22	-	420	75	12,7	181	3,63	9,07
	30	-	420	75	9,2	251	5,01	12,53
<b>HSM VK 4812</b>	15	-	480	58,2	21,2	175	3,5	8,76
	22	-	480	58,2	15,4	240	4,81	12,02
	30	-	480	58,2	11,2	332	6,64	16,61
<b>HSM VK 4812 V</b>	15	-	480	58,2	24,5	151	3,03	7,57
	22	-	480	58,2	18,2	204	4,08	10,21
<b>HSM VK 4812 P</b>	15	-	480	58,2	24,5	151	3,03	7,57
	22	-	480	58,2	18,2	204	4,08	10,21
<b>HSM VK 5012</b>	15	-	500	58,2	22,8	163	3,25	8,13
	22	-	500	61	16,6	223	4,47	11,16
	30	-	500	58,2	12,0	308	6,17	15,42
<b>HSM VK 5512</b>	22	-	560	67,9	21,7	171	3,42	8,55
	30	-	560	67,9	15,7	236	4,72	11,81
	45	-	560	67,9	14	266	5,32	13,3
	55	45	560	67,9	8,7	425	8,51	21,27
	75	55	560	67,9	6,9	535	10,7	26,76
<b>HSM VK 6015</b>	30	-	720	128,0	23,7	128	2,57	6,41
	45	-	720	128,0	20,9	145	2,91	7,27
	55	45	720	128,0	13,2	231	4,62	11,55
	75	55	720	128,0	10,4	291	5,81	14,53
<b>HSM VK 7215</b>	55	45	720	87,3	13,2	339	6,77	16,94
	75	55	720	87,3	10,5	426	8,52	21,31
	90	75	720	87,3	9	498	9,95	24,88
<b>HSM VK 8818</b>	90	75	880	106,7	12,8	417	8,34	20,85
	90+45	45+45	880	106,7	8,3	643	12,86	32,14
	90	75	1000	121,2	12,8	417	8,34	20,85
	90+45	45+45	1000	121,2	8,3	643	12,86	32,14
<b>HSM VK 12018</b>	90	75	1200	99,2	14,5	540	10,81	27,02
	-	45+45	1200	99,2	10,0	786	15,73	39,32
	90+55	55+55	1200	99,2	8,8	887	17,74	44,36
<b>HSM VK 15020</b>	55+55	45+45	1500	124	15,6	557	11,14	27,86
	75+75	55+55	1500	124	11,4	767	15,34	38,35
	-	75+75	1500	124	10,0	873	17,45	43,64

## Explanations of the technical data:

- Main driving power Rated power of baler driving motor without additional aggregates (e.g. oil cooler).
- FC Frequency-controlled drive
- Pressing power Cylinder piston surface multiplied with the maximum hydraulic pressure (theoretical value).
- Specific pressing power Force in N acting on 1 cm<sup>2</sup> of the material to be compressed.
- Cycle time in idle operation (theor.) The time it takes for the press ram to move forward without material and return idling to the home position. The pressing time does not depend on material.
- Volume throughput in idle operation (theor.) The maximum volume that can be theoretically pressed in one hour without interruption of the pressing procedure for loading or strapping. It is calculated by dividing the press chamber volume by the pressing time.
- Volume throughput at 20 / 50 kg/m<sup>3</sup> The maximum weight that can be theoretically pressed in one hour at a bulk weight of 20 / 50 kg/m<sup>3</sup> without interruption of the pressing procedure for loading or strapping.
- Practical volume throughput The practical volume throughput is up to 70 % of the theoretical volume throughput and depends on the loading method, the bulk weight, the type of material and control delays.



Bale weight in kg with 1200 mm bale length	Bale size W x H x L in mm	Bale/channel cross-section W x H in mm	Strapping x-fold	Loading aperture W x L in mm	Loading volume in m <sup>3</sup>	Tank Capacity in l	Weight in t from	Model
30-60 (with 600 mm)	500 x 500 x var.	500 x 500	3	450 x 710	0,18	30	1,0	<b>HSM AK 807</b>
30-60 (with 600 mm)	500 x 500 x var.	500 x 500	2	450 x 710	0,18	30	1,0	<b>HSM VK 807 V</b>
60-120 (with 1000 mm)	550 x 450 x var.	550 x 450	3	500 x 475	0,12	70	1,2	<b>HSM VK 1005</b>
100 - 200	700 x 500 x var.	700 x 500	3	620 x 600	0,21	123	3,5	<b>HSM VK 1206</b>
100 - 200	700 x 500 x var.	700 x 500	3	620 x 1000	0,35	123	4,0	<b>HSM VK 1210</b>
170 - 300	700 x 800 x var.	700 x 800	4	620 x 1140	0,64	123	5,0	<b>HSM VK 2012</b>
170 - 300	700 x 800 x var.	700 x 800	4	620 x 1140	0,64	300	5,0	
140 - 250	700 x 500 x var.	700 x 500	3	620 x 600	0,21	123	3,8	<b>HSM VK 2306</b>
140 - 250	700 x 500 x var.	700 x 500	3	620 x 600	0,21	300	3,8	
140 - 250	700 x 500 x var.	700 x 500	3	620 x 1000	0,35	123	4,0	<b>HSM VK 2310</b>
140 - 250	700 x 500 x var.	700 x 500	3	620 x 1000	0,35	300	4,0	
190 - 350	700 x 800 x var.	700 x 800	4	620 x 800	0,45	300	6,3	<b>HSM VK 3008</b>
190 - 350	700 x 800 x var.	700 x 800	4	620 x 800	0,45	300	6,3	
190 - 350	700 x 800 x var.	700 x 800	4	620 x 1140	0,64	300	6,3	<b>HSM VK 3012</b>
190 - 350	700 x 800 x var.	700 x 800	4	620 x 1140	0,64	300	6,3	
250 - 400	900 x 720 x var.	900 x 720	3	820 x 1250	0,81	300	7,0	<b>HSM VK 4012</b>
250 - 400	900 x 720 x var.	900 x 720	3	820 x 1250	0,81	300	7,0	
220 - 420	700 x 800 x var.	700 x 800	4	620 x 800	0,45	300	6,3	<b>HSM VK 4208</b>
220 - 420	700 x 800 x var.	700 x 800	4	620 x 800	0,45	630	6,3	
220 - 420	700 x 800 x var.	700 x 800	4	620 x 1140	0,64	300	6,3	<b>HSM VK 4212</b>
220 - 420	700 x 800 x var.	700 x 800	4	620 x 1140	0,64	300	6,3	
220 - 420	700 x 800 x var.	700 x 800	4	620 x 1140	0,64	630	6,3	
300 - 550	1100 x 750 x var.	1100 x 750	4	1020 x 1250	1,03	300	10,0	<b>HSM VK 4812</b>
300 - 550	1100 x 750 x var.	1100 x 750	4	1020 x 1250	1,03	300	10,0	
300 - 550	1100 x 750x var.	1100 x 750	4	1020 x 1250	1,03	630	10,0	
300 - 550	1100 x 750 x var.	1100 x 750	4	1020 x 1250	1,03	300		<b>HSM VK 4812 V</b>
300 - 550	1100 x 750 x var.	1100 x 750	4	1020 x 1250	1,03	300	10,0	
300 - 550	1100 x 750 x var.	1100 x 750	4	1020 x 1250	1,03	300		<b>HSM VK 4812 P</b>
300 - 550	1100 x 750 x var.	1100 x 750	4	1020 x 1250	1,03	300		
300 - 480	1100 x 750 x var.	1100 x 750	4	1020 x 1250	1,03	300		<b>HSM VK 5012</b>
300 - 480	1100 x 750 x var.	1100 x 750	4	1020 x 1250	1,03	300	17,5	
300 - 480	1100 x 750 x var.	1100 x 750	4	1020 x 1250	1,03	630		
300 - 550	1100 x 750 x var.	1100 x 750	5	970 x 1250	1,03	300		<b>HSM VK 5512</b>
300 - 550	1100 x 750 x var.	1100 x 750	5	970 x 1250	1,03	630		
300 - 550	1100 x 750 x var.	1100 x 750	5	970 x 1250	1,03	630	17,5	
300 - 550	1100 x 750 x var.	1100 x 750	5	970 x 1250	1,03	1250		
300 - 550	1100 x 750 x var.	1100 x 750	5	970 x 1250	1,03	1250		
260 - 470	750 x 750 x var.	750 x 750	4	620 x 1500	0,84	630		<b>HSM VK 6015</b>
260 - 470	750 x 750 x var.	750 x 750	4	620 x 1500	0,84	630	20,0	
260 - 470	750 x 750 x var.	750 x 750	4	620 x 1500	0,84	1250		
260 - 470	750 x 750 x var.	750 x 750	4	620 x 1500	0,84	1250		
340 - 620	1100 x 750 x var.	1100 x 750	5	970 x 1500	1,24	1250		<b>HSM VK 7215</b>
340 - 620	1100 x 750 x var.	1100 x 750	5	970 x 1500	1,24	1250	24,0	
340 - 620	1100 x 750 x var.	1100 x 750	5	970 x 1500	1,24	2000		
500 - 700	1100 x 750 x var.	1100 x 750	5	970 x 1800	1,49	2000		<b>HSM VK 8818</b>
500 - 700	1100 x 750 x var.	1100 x 750	5	970 x 1800	1,49	2000	33,0	
500 - 700	1100 x 750 x var.	1100 x 750	5	970 x 1800	1,49	2000		
500 - 700 (500 - 800)	1100 x 750 x var.	1100 x 750	5	970 x 1800	1,49	2000		
700 - 1100	1100 x 1100 x var.	1100 x 1100	5	970 x 1800	2,18	2000		<b>HSM VK 12018</b>
700 - 1100	1100 x 1100 x var.	1100 x 1100	5	970 x 1800	2,18	2000	38,0	
700 - 1100	1100 x 1100 x var.	1100 x 1100	5	970 x 1800	2,18	3000		
800 - 1250	1100 x 1100 x var	1100 x 1100	5	970 x 2000	2,42	3000		<b>HSM VK 15020</b>
800 - 1250	1100 x 1100 x var	1100 x 1100	5	970 x 2000	2,42	3000	45,0	
800 - 1250	1100 x 1100 x var	1100 x 1100	5	970 x 2000	2,42	3000		

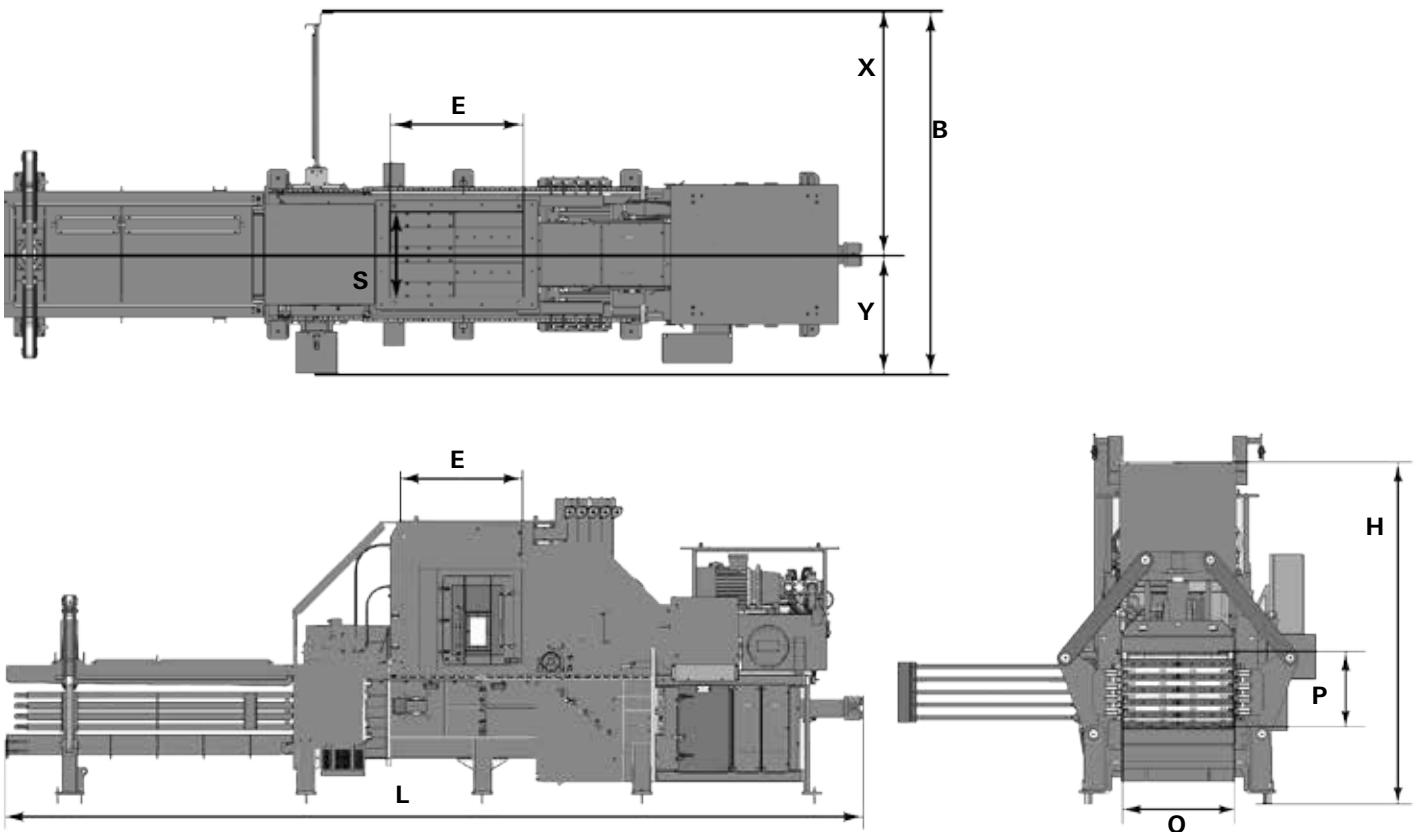
- Bale weight: Bale weight varies depending on the type, humidity and condition of the compressed material and on bale length / height. Bale weight with 1200 mm length (differing data to bracket).
- Bale size: The height/length of the bales varies depending to the expansion force of the compressed material. With channel baling presses the bale length can be set variable within the specified limits
- Bale / channel cross-section: Width x height of bale or of press channel.
- Strapping: Information concerning the number of times the bales are strapped.
- Loading aperture: Size of the opening through which material can be loaded.
- Loading volume: Loading aperture x height of press chamber.
- Tank capacity: Volume of hydraulic oil tank in litres.
- Weight: Net weight of machine without packaging, loaded material, feeding system or options.
- Voltage / frequency: Three-phase current power supply, 3 x 400 V / 50 Hz.
- Bulk weight: Weight of the loaded material per cubic meter. The bulk weight affects the volume throughput.
- Throughput capacity: Max. amount (weight / volume) that can be theoretically processed in one hour.

All mentioned performance data are approximate values depending on material, bulk weight, kind of feeding and type of baler. All technical data and dimensions are approximate values. Technical and design modifications reserved.

# Model dimensions in mm:

Model	Overall length	Overall width	Press channel width (interior dimension)	Press channel height (interior dimension)	Loading hopper length (cubic, interior dimension)	Loading hopper width (cubic, interior dimension)	Loading hopper overall height (cubic)	Wire insertion cylinder width to centre of baling press (cubic)	Twisting unit width to centre of baling press
	L	B	O	P	E	S	H	X	Y
HSM AK 807	3940	1140	500	500	710	450	1400	-	-
HSM VK 807 V	3940	1140	500	500	710	450	1400	-	-
HSM VK 1005	3790	2240	550	450	475	500	1100	1480	790
HSM VK 1206	4750	2350	700	500	600	620	1940	1800	1025
HSM VK 1210	5550	2350	700	500	1000	620	1940	1800	1025
HSM VK 2012	6700	2350	700	800	1140	620	2030	1700	900
HSM VK 2306	5260	2600	700	500	600	620	1940	1800	1025
HSM VK 2310	6060	2600	700	500	1000	620	1940	1800	1025
HSM VK 3008	6100	2350	700	800	800	620	2030	1700	900
HSM VK 3012	6700	2350	700	800	1140	620	2030	1700	900
HSM VK 4012	6180	3190	900	720	1250	820	2350	2090	1126
HSM VK 4208	6600	2350	700	800	800	620	2030	1700	900
HSM VK 4212	7200	2350	700	800	1140	620	2030	1700	900
HSM VK 4812	7700	3750	1100	750	1250	1020	2400	2520	1230
HSM VK 4812 V	6820	2570	1100	748	1250	1020	2791	-	1210
HSM VK 4812 P	6820	2570	1100	748	1250	1020	2791	-	1210
HSM VK 5012	8982	4000	1100	750	1250	1020	3000	2640	1361
HSM VK 5512	10000	3990	1100	750	1250	970	3260	2757	1362
HSM VK 6015	10500	3769	750	750	1500	620	3260	2582	1187
HSM VK 7215	10600	3970	1100	750	1500	970	3260	2757	1362
HSM VK 8818	11900	3870	1100	750	1800	970	3270	2782	1377
HSM VK 12018	12700	4160	1100	1100	1800	970	3622	2782	1377
HSM VK 15020	12900	4159	1100	1100	2000	970	3622	2782	1377

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



- |   |  |   |   |
|---|--|---|---|
| L | Overall length                                   | S | Loading hopper overall height, cubic                    |
| B | Overall width                                    | H | Loading hopper width, cubic, interior dimension         |
| O | Press channel width, interior dimension          | X | Wire insertion cylinder width to centre of baling press |
| P | Press channel height, interior dimension         | Y | Twisting unit width to centre of baling press           |
| E | Loading hopper length, cubic, interior dimension |   |   |

# HSM – Specialist baler solutions for all applications:

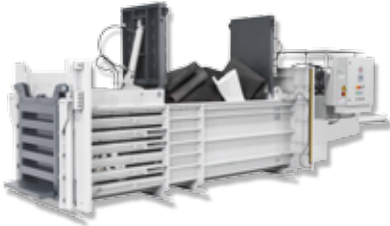


## Vertical baling presses

**HSM V-Press** – compact waste management solutions.

**HSM Multichannel baling press** – parallel operation of sorted materials.

**HSM Barrel press** – compaction of light metal and rolled hoop barrels.



## Horizontal baling presses

**HSM Horizontal baling press** – large loading aperture and low overall height. Suitable for different materials such as paper, cardboard, foils, expanding foams, polystyrene, hollow vessels, metal buckets, barrels, car tyres and much more.



## Dewatering presses

**HSM Dewatering presses** – for the food and beverage industry, specially designed for emptying, compressing and conveying incorrectly filled or expired disposable packages.

**HSM Label presses** – mainly used in breweries and bottling plants.



## PET Systems

**HSM PET Systems** – draining, perforation, crushing and compressing of PET bottles, beverage containers and cans.



## Cardboard perforators / Hard drive shredder

**HSM Cardboard perforators** – convert bulky used cardboard containers into an allpurpose and free packaging material.

**HSM Hard drive shredder** – destroy securely and economically digital data media such as hard drives, magnetic tapes, CDs/DVDs, Blu Rays and USB sticks.



## Bulk shredding

**HSM Conveyor belt document shredders, HSM Shredder baler combinations and**

**HSM Multistage shredder systems** – fully automatic document disposal systems for the professional destruction and compaction of large amounts of files.

# HSM – the company

## Cutting. Shredding. Compressing.



Since 1971, HSM has been pursuing a clear strategy – a consistent commitment to quality “Made in Germany”. This product and service quality is the key to success in both the office technology and environmental technology business sectors. As a specialist for products and services for data protection as well as technologies for optimising logistics and recycling processes, HSM is one of the world’s leading providers.

**Enquire now! We are always glad to help.**

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