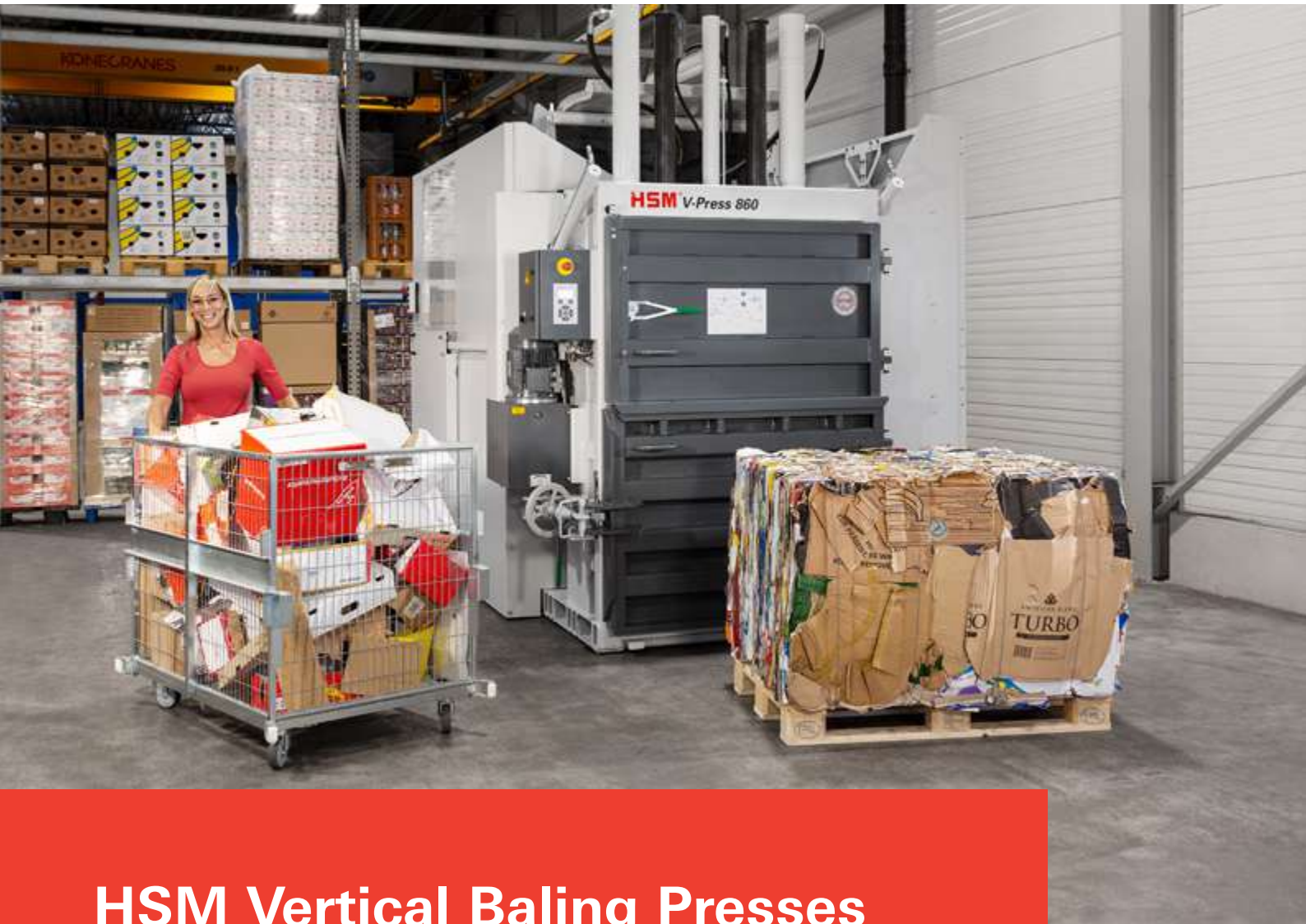


# HSM<sup>®</sup>

Great Products, Great People.



## HSM Vertical Baling Presses

Waste Management Solutions for Manufacturers and Retailers

# Save on waste costs with volume reduction!

Due to their size, cost efficiency and capacity, the vertical baling presses HSM V-Press are incredibly well-suited for industry, manufacturers and retailers alike. With these compact baling presses you can reduce the volume of your on-site packaging material by up to 95 %.



**Volume reduction up to 95 %**



**Perfect HGV load utilisation**



**Attractive price-performance ratio**



**Easy-to-use**



**Energy efficient**



**Bale weight up to 550 kg**

## Expert for a wide range of waste materials



HSM has successfully committed itself compacting waste materials since 1971. As one of the world's leading manufacturers, HSM now offers proven and highly effective vertical balers for compressing a variety of materials such as cardboard, film, PET bottles, beverage cans, hard plastics, wooden crates, and many others.

The goal is to significantly reduce volume for more economical transport and preparation for recycling. Some materials pose significant challenges for the plant technology. PET, for example, is a particularly abrasive and expansive material for which HSM offers special vertical balers.



### Partnership

Our competent team will accompany you as partners in all phases – and all around the world. From consulting and project planning to delivery and assembly all the way to customer service.



### Solutions to match your requirements

We can provide comprehensive on-site advice. Experienced specialists from our sales and project teams can determine the optimum solution for your requirements.



### Reliability

Whichever solution you decide upon, you will always choose innovative, reliable and highly efficient technology “Made in Germany” with HSM.



### Service

Our service experts will accompany you from installation, training and initial start-up to service and maintenance for smooth and efficient operation.

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

HSM originated from the idea to reduce the volume of residual materials through pressing, and returning these newly recovered valuable products to the production cycle. Since the company was founded in 1971, sustainability has been our core business and a matter of course. When designing and constructing our presses, we focus on the responsible use of resources. HSM presses thus retain their value over a particularly long lifespan and operate extremely energy-efficiently. The bale dimensions and weights

of HSM baling presses are designed to allow optimum utilisation of truck capacities. And transporting less air saves expensive and environmentally damaging transport trips. The frequency-controlled drives make an even greater contribution to environmental protection and the economic efficiency of the presses. This saves up to 40 % electricity compared to a conventional drive.



No use of composite materials guarantees 100 % product recycling



Use of only environmentally compatible, recyclable auxiliary and operating materials



Use of low-solvent lacquers



Recycling of metal production waste



Use of photovoltaics to generate electricity for production



Use of heat recovery in production



Short transport trips due to production in Germany

## With HSM –Turn your waste into valuable material!

Packaging can become a problem. However, considered as part of the recycling chain, used packaging becomes a valuable secondary raw material. HSM has solutions for handling and compacting this raw material using tried-and-tested technology and innovative solutions.



# Our references

## HSM machines are suitable for (virtually) any task – worldwide.

Models and solutions from a wide range 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.



### ROLAND KALISCH

Produktionsleiter,  
Hans SCHNEIDER Elektronik GmbH

With the two baling presses from HSM, we've been able to make a massive reduction in our volume of waste. The compressed bales require significantly less space than the unpressed waste.



### ANDREAS BACK

Leiter Qualitätsmanagement, Umwelt & CSR,  
Hornbach Baumarkt AG

With hindsight we can say that it was absolutely the correct decision to go with the vertical baler and HSM.



## HSM quality "Made in Germany"

HSM has always committed itself to the principle of "Quality". HSM relies on Germany as a production location and quality products "Made in Germany". All three German HSM plants are certified under DIN EN ISO 9001. Since we manufacture our products ourselves, we can guarantee first-class quality. The large

vertical range of manufacture is characteristic of HSM and brings decisive advantages. Production can thus be controlled reliably, flexibly and independently. But it also allows us to control the origin, quality and ingredients of the raw materials and other materials used.

# Which baling press is the right one for your company?

## The available doors



### Double door

- To fill the press, the upper half of the doors is swung to the right
- Self-latching, closing technology
- Automatic start of the pressing process after closing the door



### Loading flap

- To fill the press, the upper half of the doors is folded down
- The filling flap can then be used as storage and therefore facilitates filling
- Particularly suitable for filling with small-sized material
- Automatic start of the pressing process after closing the door



### Sliding door

- To fill the press, the upper half of the doors is pushed down
- Opens automatically after the compression process
- Once opened, the upper edge of the gate can be used as storage and therefore facilitates the filling
- Automatic start of the pressing process after closing the door
- Easy to operate

## The door lock



### Bell-crank lever

- Quick and safe opening of the door
- Suitable for machines with up to 40 kN of pressing power



### Hand wheel door lock

- Counter-rotating thread for quick opening and closing
- Mounted at an ergonomic height
- Easy to handle
- Opening aid for expansive materials



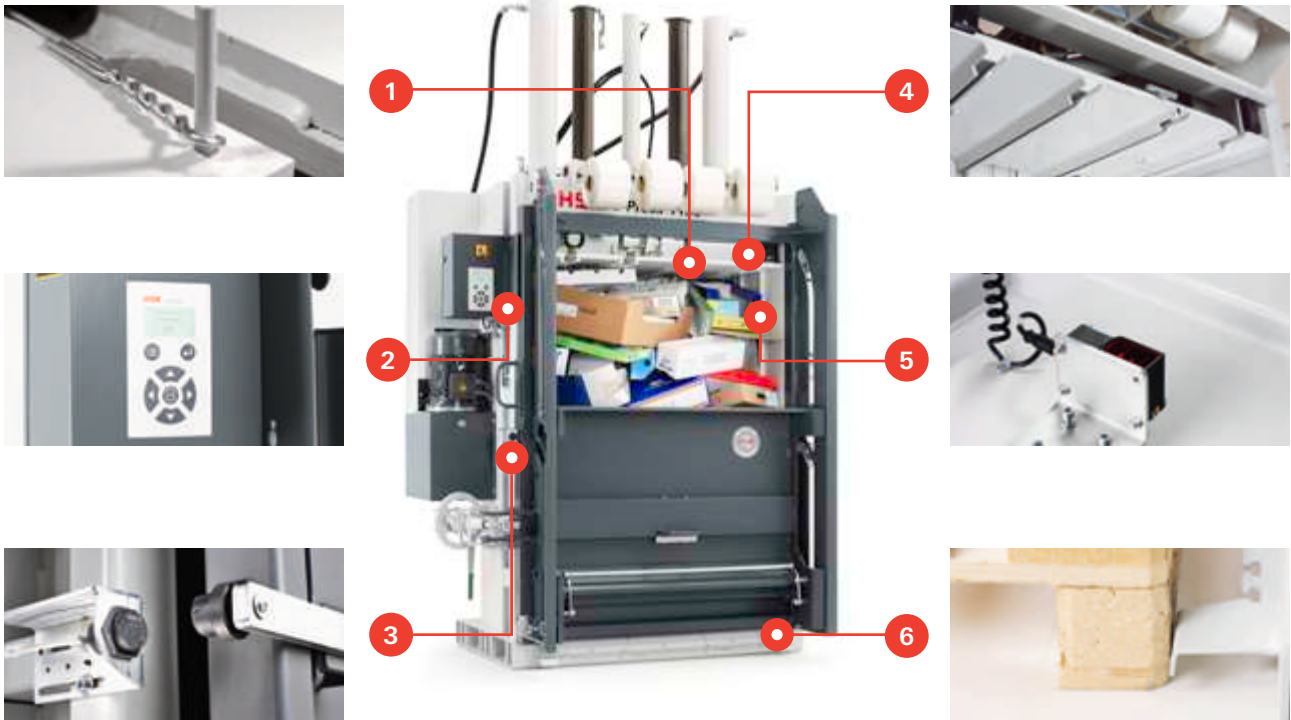
### Hydraulic door lock

- Convenient opening and closing via two-hand operation
- Particularly suitable for rapidly expanding material
- No manual effort required

# Putting our experience into every detail!

“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.



1

## Strapping

- Tape strapping for HSM V-Press 503, 504, 605, 610, 818, 820 and 825. Wire strapping for HSM V-Press 830, 860 and 1160 standard and tape strapping optional – strapping can then be chosen as required.

2

## Data display and controller

- Modern microprocessor control with membrane keypad and graphical display.\*\*
- Display of the respective current status.
- Programmes to select plastic foils or cardboard.

3

## Convenient and secure automatic start

- Pressing procedure starts automatically upon closing the door.
- When the door is opened, a safety switch ensures an automatic stop of the pressing procedure.

4

## Optimized pressing

- Massive press ram and extremely robust press plate guidance.

5

## Integrated HSM TCS

- (TorsionControlSystem) prevents one-sided overloads during the pressing procedure.\*

\*HSM V-Press 503 and HSM FP 3000 without HSM TCS

\*\*HSM V-Press 503 with push button



## HSM V-Press 60

**The mobile baling press HSM V-Press 60 compresses plastic film and lightweight packaging material right where the material is.**

- The used packing material is fed into the HSM V-Press 60 immediately after unpacking and does not need to be transported to interim storage
- The lever action allows the HSM V-Press 60 to produce well compressed, stackable bales – compression 5:1 and more
- Effortless to operate with a minimum amount of strength
- Does not need any electricity, servicing or maintenance
- Bales produced can be repressed in hydraulic HSM baling presses i.e. compressed into denser and larger bales.



Model	HSM V-Press 60
Pressing power in kN	-
Motor in kW	-
Voltage / Frequency	-
Loading aperture (W x H) in mm	740 x 635
Bale weight in kg (depending on material)	up to 40
Bale size (L x W x H) in mm	800 x max. 800 x 600
Cycle time in idle operation (theor.) in sec.	-
Press chamber size (W x D x H) in mm	-
Dimensions of machine (W x D x H) in mm	810 x 735 x 1280
Machine weight in kg	95
Strapping	3-fold crosswise with strapping twine



## HSM V-Press 503

**Easy installation and operation make the HSM V-Press 503 the ideal model for small material volumes.**

- Compact design – small footprint
- Microprocessor controller with membrane keypad
- Suitable for cardboard as well as film
- Bale removal and transport with discharge trolley
- Automatic return stroke
- Double door with bell-crank lever



## HSM V-Press 504

**The entry-level model HSM V-Press 504 allows for the economical disposal of your packaging waste.**

- Compact and sturdy design – small footprint
- Modern microprocessor controller with membrane keypad and text display
- Selectable programmes for pressing cardboard or plastic film
- Bale removal and transport with discharge trolley
- Optionally available with mechanical bale ejector
- HSM TCS (Torsion Control System) for monitoring press ram movement
- Automatic return stroke
- Double door with bell-crank lever

Model	HSM V-Press 503	HSM V-Press 504
Pressing power in kN	30	40
Motor in kW	0,75	1,1
Voltage / Frequency	1 x 230 V / 50 Hz	1 x 230 V / 50 Hz
Loading aperture (W x H) in mm	700 x 500	700 x 470
Bale weight in kg (depending on material)	up to 50	up to 60
Bale size (L x W x H) in mm	700 x 500 x max. 850	700 x 500 x max. 600
Cycle time in idle operation (theor.) in sec.	30	27
Press chamber size (W x D x H) in mm	700 x 500 x 1050	700 x 500 x 1020
Dimensions of machine (W x D x H) in mm	953 x 679 x 1962	1020 x 812 x 1922
Machine weight in kg	245	290
Strapping	2-fold with polyester tape	2-fold with polyester tape



## HSM V-Press 605

**The HSM V-Press 605 reduces the volume of cardboard and plastic film in an economical way.**

- Low installation height and small footprint
- Special retaining claws optimize the compression of the material being pressed, increasing both the loading volume and bale output
- Quick and easy press assembly
- Mechanical bale ejector
- High process reliability due to HSM TCS (TorsionControlSystem)
- Double door with hand wheel door lock



## HSM V-Press 610

**The HSM V-Press 610 reduce the volume of cardboard and plastic film in an economical way.**

- Low installation height and small footprint
- Special retaining claws optimize the compression of the material being pressed, increasing both the loading volume and bale output
- Quick and easy press assembly
- Mechanical bale ejector
- High process reliability due to HSM TCS (TorsionControlSystem)
- Double door with hand wheel door lock

Model	HSM V-Press 605*	HSM V-Press 610
Pressing power in kN	57	120
Motor in kW	1,5	3
Voltage / Frequency	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz
Loading aperture (W x H) in mm	800 x 495	800 x 495
Bale weight in kg (depending on material)	up to 70	up to 100
Bale size (L x W x H) in mm	800 x max. 600 x 600	800 x max. 600 x 600
Cycle time in idle operation (theor.) in sec.	21	22
Press chamber size (W x D x H) in mm	800 x 600 x 1045	800 x 600 x 1045
Dimensions of machine (W x D x H) in mm	1198 x 823 x 1986	1198 x 823 x 1986
Machine weight in kg	485	540
Strapping	3-fold with polyester tape	3-fold with polyester tape

\*HSM V-Press 605 also available for AC power supply (1 x 230 V / 50 Hz).



## HSM V-Press 818

**Thanks to its low transport height, the HSM V-Press 818 can be easily transported to wherever it needs to be used.**

- Low installation height and small footprint
- High process reliability due to HSM TCS (TorsionControlSystem)
- Convenient membrane keypad with text display, which shows the current status of the machine
- Long service life due to low maintenance, reliable hydraulics and hard chrome-plated piston rod
- Configurations:  
plus – loading flap with hand wheel door lock  
plus pro – sliding door with hand wheel door lock



## HSM V-Press 820

**Due to its powerful motor, its ergonomic design and its sophisticated and innovative technology, the HSM V-Press 820 combines all of the advantages of a baling press into one machine.**

- State-of-the-art microprocessor controller and membrane keypad with LED display
- Special retaining claws optimize the compression of the material being pressed, increasing both the loading volume and bale output
- Quick and easy installation due to crossed cylinders
- High process reliability due to HSM TCS (TorsionControlSystem)
- Loading flap with hand wheel door lock

Model	HSM V-Press 818	HSM V-Press 820
Pressing power in kN	185	178
Motor in kW	4	4
Voltage / Frequency	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz
Loading aperture (W x H) in mm	1195 x 530 (plus) 1195 x 540 (plus pro)	1195 x 558 (plus)
Bale weight in kg (depending on material)	up to 200	up to 250
Bale size (L x W x H) in mm	1200 x max. 700 x 780	1200 x max. 1000 x 780
Cycle time in idle operation (theor.) in sec.	27	23
Press chamber size (W x D x H) in mm	1200 x 780 x 1300	1200 x 780 x 1400
Dimensions of machine (W x D x H) in mm	1700 x 1046 x 2370 (plus) 1709 x 1248 x 2370 (plus pro)	1700 x 1075 x 2499
Machine weight in kg	1070 (plus), 1173 (plus pro)	1300 (plus)
Strapping	4-fold with polyester tape	4-fold with polyester tape



## HSM V-Press 825

The HSM V-Press 825 is characterized by its very low transport height.

- Robust mechanical bale ejector belt for easy bale removal
- Special hydraulic cylinders with hard-chrome plated pistons reduce wear, prevent breakdowns and prolong service life
- Low installation height and small footprint
- High process reliability due to HSM TCS (TorsionControlSystem)
- Configurations:  
plus – loading flap with hand wheel door lock  
plus pro – sliding door with hand wheel door lock



## HSM V-Press 830

With a pressing power of 300 kN and a low overall height, the HSM V-Press 830 saves space for expensive storage areas and facilitates the transport and handling of recyclable materials.

- Robust mechanical bale ejector belt for easy bale removal
- Special hydraulic cylinders with hard-chrome plated pistons reduce wear, prevent breakdowns and prolong service life
- Low installation height and small footprint
- High process reliability due to HSM TCS (TorsionControlSystem)
- Sliding door with hand wheel door lock

Model	HSM V-Press 825	HSM V-Press 830
Pressing power in kN	250	300
Motor in kW	4	4
Voltage / Frequency	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz
Loading aperture (W x H) in mm	1195 x 530 (plus) 1195 x 540 (plus pro)	1195 x 530
Bale weight in kg (depending on material)	up to 280	up to 320
Bale size (L x W x H) in mm	1200 x max. 700 x 780	1200 x max. 1100 x 780
Cycle time in idle operation (theor.) in sec.	39	47,5
Press chamber size (W x D x H) in mm	1200 x 780 x 1300	1200 x 780 x 1460
Dimensions of machine (W x D x H) in mm	1700 x 1046 x 2370 (plus), 1700 x 1248 x 2370 (plus, pro)	1717 x 1247 x 2570
Machine weight in kg	1070 (plus), 1210 (plus pro)	1445
Strapping	4-fold with polyester tape	4-fold with wire / optional polyester tape



## HSM V-Press 860

**With a pressing power of 594 kN and employing low-noise and energy-saving technology, the HSM V-Press 860 is the most economical and ecological solution for your waste disposal.**

- Rapid stroke technology saves time and money
- Special retaining claws optimize the compression of the material being pressed and reduce the number of loading actions
- Comfortable, easy-to-use membrane keypad with text display which shows the current status of the machine
- High process reliability due to HSM TCS (TorsionControlSystem)
- Configurations:  
eco – double door with hand wheel door lock  
plus – sliding door with hand wheel door lock  
max – sliding door with hydraulic door lock



## HSM V-Press 1160

**With a maximum bale weight of 550 kg, strong pressing power and an absolutely high efficiency level, the HSM V-Press 1160 is the top-model of the HSM V-Press series.**

- Rapid stroke technology saves time and money
- High capacity press chamber means optimum filling efficiency
- Low-maintenance, sturdy hydraulics and hard-chromed pistons ensure long service life
- Highly compressed bales can already be marketed without requiring any further pressing
- High process reliability due to HSM TCS (TorsionControlSystem)
- Configurations:  
eco – double door with hand wheel door lock  
plus – sliding door with hand wheel door lock  
max – sliding door with hydraulic door lock

Model	HSM V-Press 860	HSM V-Press 1160
Pressing power in kN	594	594
Motor in kW	4	4
Voltage / Frequency	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz
Loading aperture (W x H) in mm	1195 x 650	1195 x 650
Bale weight in kg (depending on material)	up to 480	up to 550
Bale size (L x W x H) in mm	1200 x max. 1200 x 780	1200 x max. 1200 x 1100
Cycle time in idle operation (theor.) in sec.	25	25
Press chamber size (W x D x H) in mm	1195 x 780 x 1640	1195 x 1100 x 1640
Dimensions of machine (W x D x H) in mm	1797 x 1067 x 2985 (eco), 1797 x 1247 x 2985 (plus, max)	1780 x 1388 x 2985 (eco) 1780 x 1568 x 2985 (plus, max)
Machine weight in kg	1900 (eco), 2030 (plus), 2083 (max)	2427 (eco), 2427 (plus), 2430 (max)
Strapping	4-fold with wire / optional polyester tape	4-fold with wire / optional polyester tape



## The HSM V-Presses for special applications

Among the HSM V-Press 60 - 1160 balers you will find solutions for common performance requirements and problems. But time and again we also receive enquiries for very special applications. For this purpose, we have adapted our bestseller, the HSM V-Press 860, to the

requirements of special materials and needs. This is complemented by our vertical press for pressing light metal or roll hoop barrels.

**All product variants of the HSM V-Press 860 have the same technical advantages:**



**Rapid stroke technology**  
saves time and money



**High process reliability**  
due to HSM TCS  
(TorsionControlSystem)



**Convenient membrane**  
keypad with text display



**Long Service life thanks to**  
low-maintenance and sturdy  
hydraulics



## HSM V-Press 860 plus QL

Strapping with quick link wire

**The HSM V-Press 860 plus QL enables quick and easy strapping of bales with Quick-Link wire.**

- Manual 4-fold strapping with quick link wire
- Rapid stroke technology saves time and money
- Special retaining claws optimize the compression of the material being pressed and reduce the number of loading actions
- Comfortable, easy-to-use membrane keypad with text display which show the current status of the machine
- High process reliability due to HSM TCS (TorsionControlSystem)
- Sliding door with hand wheel door lock



## HSM V-Press 860 plus B

Particularly wide loading aperture

**With a pressing power of 594 kN and low-noise and energy-saving technology, the HSM V-Press 860 plus B is the most economical and ecological solution for your waste disposal.**

- Produces particularly large, high density bales which can be sold with no further compression required
- Compacts cardboard and plastic films
- Rapid stroke technology saves time and money
- Special retaining claws optimise the compression of the material being pressed and reduce the number of loading actions
- Comfortable, easy-to-use membrane keypad which show the current status of the machine
- High process reliability due to HSM TCS (TorsionControlSystem)
- Sliding door with hand wheel door lock

Model	HSM V-Press 860 plus QL	HSM V-Press 860 plus B
Pressing power in kN	594	594
Motor in kW	4	4
Voltage / Frequency	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz
Loading aperture (W x H) in mm	1195 x 650	1500x651
Bale weight in kg (depending on material)	up to 430	depending on material
Bale size (L x W x H) in mm	1200 x max.1000 x 780	1500 x max. 1200 x 780
Cycle time in idle operation (theor.) in sec.	25	25
Press chamber size (W x D x H) in mm	1195 x 780 x 1640	1500 x 780 x 1640
Dimensions of machine (W x D x H) in mm	1797 x 1314 x 2990	2099 x 1245 x 2985
Machine weight in kg	2200	2336
Strapping	4-fold with Quick link wire	4-fold with wire / optional polyester tape

# Save time and money with volume reduction and automatic loading!

In addition to the well-known advantages of the V-Press series, the HSM V-Press 860 TimeSave has a decisive added-value factor: significant savings in time with less staff needed for the task.

Thanks to the time-saving lifting/tilting device, it only takes a few seconds to load the HSM V-Press 860 TimeSave using a collection cart.

- 1 Rapid stroke technology saves time and money
- 2 Manual loading possible at any time
- 3 High degree of compression without prior cutting
- 4 Particularly large and robust collection cart\*
- 5 Convenient and quick loading



**Saves up to 1.5 h per bale compared to other vertical baling presses with automatic loading. Each cart is emptied within 12 seconds.**



**Saves up to 5.0 h per bale compared to other vertical baling presses with manual loading.**



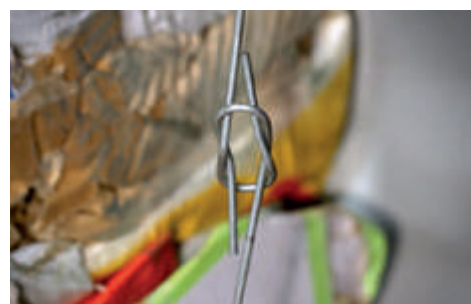
Model	HSM V-Press 860 TimeSave
Pressing power in kN	594
Motor in kW	4+3
Voltage / Frequency	3 x 400 V / 50 Hz
Loading aperture (W x H) in mm	1195 x 650
Bale weight in kg (depending on material)	up to 430
Bale size (L x W x H) in mm	1200 x max. 1200 x 780
Press chamber size (W x D x H) in mm	1225 x 780 x 1640
Dimensions of machine (W x D x H) in mm	2202 x 3584 x 3000
Machine weight in kg	3680
Strapping	4-fold with quick link wire



Convenient and quick loading



Compresses bulky cardboard with no problem



Simple and safe tying with Quick-Link wire

\* Additional equipment

- Compact design – small footprint
- Convenient and particularly fast loading via hydraulic lifting/tilting device
- Hydraulic door lock as an option
- Optimized bale dimensions and bale weights for efficient storage, transport and direct commercialisation
- Operating side optionally left hand or right hand
- High degree of operator safety and clean operation thanks to the closed system

- Compresses cardboard
- Special retaining claws optimise the compression of the material to be pressed, increasing both the loading volume and bale output
- HSM TCS (Torsion Control System) for monitoring press ram movement
- Modern microprocessor controller with membrane keypad and text display
- Manual 4-fold strapping with quick link wire



## HSM V-Press 860 L

Optimized bale transport economy

**The HSM V-Press 860 L produces bales with a recess for easy transport without pallets.**

- Rapid stroke technology saves time and money
- Special profiles in the bale ejection door in the filling hatch and in the press ram form recesses in the bales
- Flexible and fixed retaining claws optimise material compression and reduce the number of filling processes
- High process reliability due to HSM TCS (TorsionControlSystem)
- Convenient membrane keypad with text display which shows the current status of the machine
- Solid press ram and extremely stable press ram guidance
- Double door with hydraulic door lock

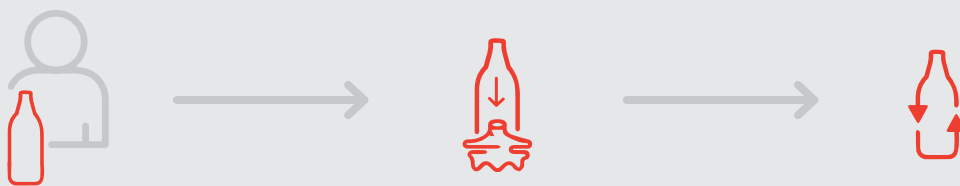
Model	HSM V-Press 860 L
Pressing power in kN	594
Motor in kW	4
Voltage / Frequency	3 x 400 V / 50 Hz
Loading aperture (W x H) in mm	1195 x 650
Bale weight in kg (depending on material)	up to 460
Bale size (L x W x H) in mm	1200 x max. 1200 x 780
Cycle time in idle operation (theor.) in sec.	25
Press chamber size (W x D x H) in mm	1195 x 780 x 1640
Dimensions of machine (W x D x H) in mm	1785 x 1067 x 2985
Machine weight in kg	1950
Strapping	4-fold with wire / optional polyester tape



## HSM is part of the recycling cycle for PET and aluminum beverage packaging

HSM is one of the world's leading providers of innovative solutions for compressing PET bottles and beverage cans when deposit is returned. As a specialist in crushers, perforators, and presses, HSM offers customized systems that efficiently meet the requirements of manufacturers, operators of deposit return machines, and the beverage and food industries.

The versatile HSM products optimize the return process: from secure destruction and emptying to compaction. Volume reductions of up to 90 % save storage space and make the transport of recyclable materials more economical and environmentally friendly.



## One recyclable material – many applications



**Reliable deposit cancellation**  
at retail



**Emptying** at commercial  
and industrial locations



**Compaction** at retail and at waste  
disposal companies



## HSM V-Press 610 P

### Compaction of PET bottles



**The vertical baling press is specially designed for the compression of opened or perforated PET/UBC bottles and beverage cans.**

- Simple loading thanks to the filling flap at a convenient working height
- Intuitive, multi-lingual operating instructions via a graphic display with membrane keypad
- Special retaining claws optimize the compression of the material being pressed and reduce the number of loading actions
- HSM TCS (Torsion Control System) for monitoring press ram movement
- Handwheel for easy door opening
- Strapping with polyester tape

## HSM V-Press 860 P

### Compaction of PET bottles



**The vertical baling press HSM V-Press 860 P is especially designed for the compression of opened or perforated PET/UBC bottles.**

- Rapid stroke technology saves time and money
- Double quantity of retaining claws optimises the compression of the material being pressed and reduces the number of loading actions
- Reinforced press chamber and door lock
- Robust mechanical bale ejector chain
- High process reliability due to HSM TCS (TorsionControlSystem)
- Loading flap with hydraulic door lock

Model	HSM V-Press 610 P	HSM V-Press 860 P
Pressing power in kN	120	434
Motor in kW	3	4
Voltage / Frequency	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz
Loading aperture (W x H) in mm	800 x 488	1195 x 650
Bale weight in kg (depending on material)	up to 100	up to 230
Bale size (L x W x H) in mm	800 x max. 800 x 600	1200 x max. 1200 x 780
Cycle time in idle operation (theor.) in sec.	22	25
Press chamber size (W x D x H) in mm	800 x 600 x 1045	1195 x 780 x 1640
Dimensions of machine (W x D x H) in mm	1192 x 823 x 1986	1870 x 1294 x 2985
Machine weight in kg	540	2290
Strapping	3-fold with polyester tape	4-fold with wire



## HSM V-Press 860 E

### Compaction of PET bottles in bags

**The vertical baling press HSM V-Press 860 E is specially designed for the compression of crushed PET/UBC bottles in bags.**

- Special retaining claws optimise the compression by stopping the expansion into the press chamber
- Reinforced press chamber and door lock
- Stainless steel tray for manual draining
- Loading flap with hydraulic door lock



## HSM V-Press 860 S

### Compaction of stiff plastics

**The model HSM V-Press 860 S is the perfect machine for the volume reduction of stiff plastics (e.g. monitor and TV set housings) and expanding plastic film (other materials upon request).**

- Rapid stroke technology saves time and money
- Double quantity of retaining claws optimise the compression of the pressing material and reduce the number of loading actions
- Reinforced press chamber and door lock
- Robust mechanical bale ejector chain
- High process reliability due to HSM TCS (TorsionControlSystem)
- Lateral attached door with hydraulic door lock

Model	HSM V-Press 860 E	HSM V-Press 860 S
Pressing power in kN	548	434
Motor in kW	4	4
Voltage / Frequency	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz
Loading aperture (W x H) in mm	1195 x 640	1195 x 650
Bale weight in kg (depending on material)	up to 320	depending on material
Bale size (L x W x H) in mm	1200 x max. 1200 x 780	1200 x max. 1200 x 780
Cycle time in idle operation (theor.) in sec.	25	25
Press chamber size (W x D x H) in mm	1195 x 780 x 1640	1195 x 780 x 1640
Dimensions of machine (W x D x H) in mm	1785 x 1544 x 2990	1868 x 1076 x 2985
Machine weight in kg	2100	2290
Strapping	4-fold with wire	4-fold with wire

# Especially for barrel compaction



## HSM FP 3000

With a pressing power of 270 kN, the HSM FP 3000 is excellently suited for pressing light metal and rolled hoop barrels.

- Low height and small footprint
- Press ram with spikes for opening the barrels and collector tray for residual liquid
- Enclosed on all sides with inspection window for safety and for dust reduction
- Membrane key-pad with LED for operator safety
- Automatic return stroke saves time, overheads and personnel costs
- Low-maintenance and durable electro-hydraulics
- Explosion protected model as per EX II 2 G Ex h IIB T4 Gb X available on request



Press ram with spikes



Volume reduction



Collector tray for residual liquid

Modell	HSM FP 3000
Pressing power in kN	270
Driving power kW	7.5
Voltage / Frequency	3 x 400 V / 50 Hz
Loading aperture (W x H) in mm	618 x 1092
Barrel type / Barrel size up to 200 litres	Lightweight sheet metal and rolling tyres
Cycle time in idle operation (theor.) in sec.	33
Dimensions of machine (W x D x H) in mm	1158 x 997 x 2892
Machine weight in kg	972

# Consumable materials

On this page you can find consumables for continuous operation of your HSM vertical baling presses.



**Strapping twine**

Item number	Suitable for press models with standard equipment	Length per roll	Weight per roll
6201993000	HSM V-Press 60	200 m	2 kg



**Polyester tape**

Item number	Suitable for press models with standard equipment	Type	Tensile strength	Length per roll	Tape width	Weight per roll
6205993010	HSM V-Press 503	<b>WG 30</b>	280 kg	500 m	8.0 mm	2.2 kg
6212993010	HSM V-Press 504 / 605 / 610 / 610 P / 818 / 820 / 825 / 830	<b>WG 40</b>	380 kg	500 m	11.5 mm	3.3 kg
6514993000	HSM V-Press 860 / 1160	<b>WG 55</b>	670 kg	400 m	14.6 mm	4.5 kg
6216993000	Very expansive materials	<b>WG 65</b>	800 kg	400 m	17.3 mm	5.3 kg
6216993050	Special applications	<b>HD 65</b>	950 kg	400 m	16.1 mm	7.1 kg



**Tape clamps**

Item number	Item	Weight/ 1000 pcs
6127990101	Tape clamps HSM	12 kg



**Eyelet wire**

Item number	Suitable for press models with standard equipment	Wire diameter/ length	Weight per roll
6135993002	HSM V-Press 830 / 860	2.8 x 3700 mm	10 kg
6136993002	HSM V-Press 1160	2.8 x 4400 mm	10 kg
6135993003	HSM V-Press 860 P / 860 S	3.1 x 3700 mm	12 kg



**Quick-Link wire**

Item number	Suitable for press models with standard equipment	Wire diameter/ length	Number of wires/ bundle
6155993000	V-Press 860 TimeSave / 860 plus QL	2.45 x 3400 mm	36

## Find out more about HSM Environmental Technology

HSM is one of the leading manufacturers of baling presses and document shredders worldwide. Get to know our whole product range at [www.hsm.eu](http://www.hsm.eu) and ask for our special catalogue.

Simply call or email, we will be happy to help!



V-Press 503



V-Press 504



V-Press 605, 610



V-Press 818, 820, 825, 830, 860, 1160



\*does not apply for HSM V-Press 60



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