

HSM Vertical Baling Presses

Waste Management Solutions for
Manufacturers and Retailers



The HSM V-Press Compact Advantages

- **Attractive cost/performance ratio**
The HSM V-Press series combines the outstanding quality standards of HSM environmental technology with high level of profitability. Due to both their performance and durability, they are the economic waste management solution par excellence: The HSM V-Press reduces costs of the most underestimated cost centre: "waste disposal."
- **Service to fit your needs**
In the HSM V-Press series you will find exactly the right baling press to fit your needs. For instance, you can choose the machine according to the volume and pressing power required for your operations.
- **Optimal bale size and weight**
The bales have the ideal size for perfect HGV load utilisation. This saves on transport costs and increases the marketing efficiency of the bales, which the large waste disposal companies will buy from you as valuable material.
- **Easy-to-use**
The entire pressing cycle, beginning with closing the door, is fully automatic. A text display informs you in detail about the respective status of the process. When the pressing procedure comes to an end, the sliding door opens automatically. Extracting the bale is simple and easy, and it can be comfortably transported on a pallet.
- **High operational flexibility**
With the HSM V-Press you can decide whether you prefer to press cardboard or foils at the touch of a button.
- **Extremely high level of process reliability**
Thanks to the newly developed HSM TSC (Torsion Control System), the angle of the press ram is monitored continuously in every direction. This avoids one-sided overcharge, optimises the pressing procedure and assures longer service life.

With HSM - Turn your waste into valuable material!

Packaging can become a problem

Packaging is indispensable for transporting products safely. But it can quickly become a problem when it begins to pile up, block valuable space and entail expensive personnel costs.

We turn waste into valuable material

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.

HSM has the answer

HSM builds baling presses which compress cardboard or packaging material into compact bales weighing up to 550 kg. This high degree of compression saves expensive storage space and makes transport and handling easier.

Compact load – the HSM V-Press:

Due to its size, cost efficiency and capacity, the V-Press is incredibly well-suited for industry, manufacturers and retailers alike. With this compact baling press you can reduce the volume of your on-site packaging material by up to 95%.



Press ram

Optimized pressing

- Massive press ram and extremely robust press ram guidance
- Integrated HSM TCS (Torsion Control System) prevents one-sided overcharge during the pressing procedure*



Data display and controller

Convenient and secure automatic start

- Pressing procedure starts automatically upon closing the door
- Upon opening the door, a security switch assures an automatic stop of the pressing procedure

Data display and controller

- Modern microprocessor controller with membrane keypad and display*
- Display of the respective current status
- Selectable programmes for pressing foils or cardboard



Self-engaging locking system

Safe locking-system

Absolutely safe and easy-to-operate locking system – self-engaging



Wire or tape strapping

Strapping

Tape strapping for V-Press 403, 605, 610, 820 and MKP.
Wire strapping for V-Press 840, 860, 1160 standard and tape strapping optional – strapping can then be chosen as required



Pallet spacer

Easy bale ejection

User-friendly, easy-to-operate bracket used to activate the bale ejection device

Sophisticated details

Spacer for optimum positioning of the euro-pallet

* V-Press 403, 605 and 610 without HSM TCS and without display. MKP without HSM TCS.

Putting our experience into every detail!

The three configurations:

eco

Double door with hand wheel door lock



plus

Sliding door with hand wheel door lock (except with V-Press 820 plus - loading flap instead)



max

Sliding door with hydraulic door lock; additional covering



HSM V-Press 403 Beginner's model

The entry-level model HSM V-Press 403 allows you to economically dispose of your packaging waste.

- Tilting container for ease of loading
- Display for finished bales through sight slot
- Bale removal and transport with bale removal trolley
- Safe design, enclosed on all sides
- Low height and small footprint for easy installation
- Automatic start/stop with push-button control
- Short cycle times save time, overheads and personnel costs
- Automatic return stroke

HSM V-Press 605 More power in less space

The HSM V-Press 605 is perfectly suited for pressing cardboard or foils in areas where space is limited.

- Easy and safe to operate
- Runs quietly
- Small footprint
- State-of-the-art microprocessor controller and membrane keypad with LED display
- Mechanical bale ejector
- Configuration:
eco – double door with hand wheel door lock

HSM V-Press 610 Compact and efficient

With its high pressing power and bale size, which ensure an optimal HGV load utilisation, the HSM V-Press 610 is the compact disposal solution for your plant.

- Large loading aperture for safe and easy operations
- Low-maintenance, durable hydraulics reduce overheads
- State-of-the-art microprocessor controller and membrane keypad with LED display
- Mechanical bale ejector
- Configuration:
eco – double door with hand wheel door lock

HSM V-Press 820 A strong disposal station

Thanks 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 pressing material, increasing both loading volume and bale output
- Quick and easy press assembly which does not require an HSM service specialist for initial start-up
- Configurations:
eco – double door with hand wheel door lock
plus – loading flap with hand wheel door lock

	HSM V-Press 403	HSM V-Press 605
Pressing power in kN	33	60
Motor in kW	1.1	1.5
Voltage / Frequency	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz
Loading aperture W x H in mm	580 x 380	800 x 495
Bale weight in kg (depending on material)	25 - 40	up to 70
Maximum bale size L x W x H in mm	580 x 380 x 300 - 600	800 x 600 x 600
Hourly output in bales	3 - 6	3 - 6
Cycle time in idle operation (theor.) in sec.	16	20
Volume throughput in idle operation (theor.) in m ³ /h	20	60
Press chamber size W x D x H in mm	580 x 380 x 600	800 x 600 x 1045
Dimensions of machine W x D x H in mm	855 x 780 x 1910	1190 x 815 x 1980
Machine weight in kg	360	480
Strapping	2-fold or 3-fold with polyester tape	3-fold with polyester tape

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

	HSM V-Press 610	HSM V-Press 820
Pressing power in kN	120	188
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 495	1200 x 610 (eco), 1200 x 558 (plus)
Bale weight in kg (depending on material)	up to 100	up to 250
Maximum bale size L x W x H in mm	800 x 600 x 600	1200 x 780 x 1000
Hourly output in bales	3 - 6	2 - 5
Cycle time in idle operation (theor.) in sec.	20	23
Volume throughput in idle operation (theor.) in m ³ /h	58	111
Press chamber size W x D x H in mm	800 x 600 x 1045	1200 x 780 x 1400
Dimensions of machine W x D x H in mm	1190 x 815 x 1980	1700 x 997 x 2470
Machine weight in kg	490	1250 (eco), 1280 (plus)
Strapping	3-fold with polyester tape	4-fold with polyester tape

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V-Press 403



V-Press 605 eco



V-Press 610 eco



V-Press 820 plus

HSM V-Press 840

Powerful and comfortable

The HSM V-Press 840 provides top-notch results and delivers highly compressed bales, even with heavily expansive materials.

- Robust mechanical bale ejector belt for comfortable bale removal
- Special hydraulic cylinders with hard-chrome plated pistons reduce wear, prevent breakdowns and prolong service life
- 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 860

Service and efficiency

With a pressing power of 532 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.

- Special retaining claws optimize the compression of the pressing material and reduce the number of loading actions
- Comfortable, easy-to-use membrane keypad with text display which show the current status of the machine
- Configurations:
eco – double door with hand wheel door lock
plus – sliding door with hand wheel door lock
max – sliding door with hydraulic door lock
- **Special solutions for the optimum compression of PET/UBC and stiff plastics upon request**

HSM V-Press 1160

Most powerful

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.

- Low-maintenance, sturdy hydraulics and hard-chromed pistons ensure long service life
- Highly compressed bales which can already be marketed without requiring any further pressing
- High process reliability through HSM TSC (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 840	HSM V-Press 860
Pressing power in kN	356	532
Motor in kW	7.5	7.5
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 360	up to 480
Maximum bale size L x W x H in mm	1200 x 780 x 1200	1200 x 780 x 1200
Hourly output in bales	2 - 3	1 - 2
Cycle time in idle operation (theor.) in sec.	32	46
Volume throughput in idle operation (theor.) in m ³ /h	84	57
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	1746 x 1066 x 2986 (eco), 1746 x 1244 x 2986 (plus, max)	1746 x 1066 x 2986 (eco), 1746 x 1244 x 2986 (plus, max)
Machine weight in kg	1650 (eco), 1815 (plus), 1865 (max)	1810 (eco), 1940 (plus), 1990 (max)
Strapping	4-fold with wire / optional polyester tape	4-fold with wire / optional polyester tape

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	HSM V-Press 1160
Pressing power in kN	532
Motor in kW	7.5
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 550
Maximum bale size L x W x H in mm	1200 x 1100 x 1200
Hourly output in bales	1 - 2
Cycle time in idle operation (theor.) in sec.	46
Volume throughput in idle operation (theor.) in m ³ /h	78
Press chamber size W x D x H in mm	1195 x 1100 x 1640
Dimensions of machine W x D x H in mm	1737 x 1452 x 2986 (eco), 1737 x 1568 x 2986 (plus, max)
Machine weight in kg	2130 (eco), 2250 (plus), 2300 (max)
Strapping	4-fold with wire / optional polyester tape

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V-Press 840 eco



V-Press 860 plus



V-Press 1160 max

HSM MKP 80 / 180

Guaranteed fully sorted disposal

As multiple chamber balers, the HSM MKP 80 and MKP 180 are ideally suited to parallel operation and above all economical pressing of various materials. With the MKP 180 any number of chambers can be suggested as required.

- Large aperture and chamber for ease of loading
- HSM MKP 80 has bale removal trolley for easy removal and transport of bales
- HSM MKP 180 includes mechanical bale ejector
- State-of-the-art microprocessor controller and membrane keypad with display
- Excellent door locking system protecting the user
- Special retaining claws optimize the compression of the pressing material, increasing both loading volume and bale output

	HSM MKP 80	HSM MKP 180
Pressing power in kN	75	170
Motor in kW	2.2	5.5
Voltage / Frequency	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz
Loading aperture W x H in mm	700 x 500	1100 x 500
Bale weight in kg (depending on material)	50 - 80	110 - 200
Maximum bale size L x W x H in mm	700 x 500 x 650 - 800	1100 x 700 x 800
Hourly output in bales	2 - 4	2 - 5
Cycle time in idle operation (theor.) in sec.	24	25
Volume throughput in idle operation (theor.) in m ³ /h	32	67
Press chamber size W x D x H in mm	700 x 500 x 1000	1100 x 700 x 1200
Dimensions of machine W x D x H in mm	1820 x 1120 x 2170	3000 x 1250 x 2400
Maschinengewicht in kg	885	1500
Strapping	3-fold with polyester tape	3-fold with polyester tape

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MKP 80

Experience HSM's service

Which is the right baling press for you?

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

And if something does go wrong?

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

When does a baling press start paying for itself?

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

HSM all-round service

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

What quality can I expect from HSM?

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

Renting our baling presses

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

How long is my warranty?

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

Any special wishes?

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

Notes on the technical details:

- **Pressing power:** Cylinder piston surface multiplied by the maximum hydraulic pressure (theoretical value).
- **Motor:** Rated power of driving motor.
- **Voltage / frequency:** Three-phase power supply.
- **Loading aperture:** Size of the opening through which material can be loaded.
- **Bale weight:** The bale weight varies depending on the type, humidity and condition of the compressed material and the bale length or height.
- **Bale size:** The height/length of the bales varies depending on 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 down without material and return idling to the home position. The pressing time does not depend on the 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.
- **Press chamber size:** The press chamber is the space below the press ram in the home position.
- **Dimensions of machine:** External dimensions of the machine when set up for operation.
- **Machine weight:** Net weight of the machine without packaging, loaded material or options.
- **Strapping:** The number of times the bales are strapped.



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