



HSM Product Overview Environmental Technology 2022

valid from 01.01.2022

Vertical baling presses
Barrel presses
Horizontal baling presses
PET systems
Bulk shredding
Digital data media shredders
Packaging machines
Channel baling presses

HSM®

A success story for over 50 years

What we value and what gives you more value: a creative spirit, extensive know-how, commitment to quality and excellent customer service all from one source. Since Hermann Schwellling founded the company in 1971, we have developed from a small machinery plant in South Germany to one of the global market leaders for baling presses and waste disposal solutions. We want all our customers to benefit from the proven HSM "Made in Germany" quality, manufactured in our plants in Salem, Frickingen and Reichenbach.

We are committed to Germany as a location. We have approximately 900 employees world-wide. Every single HSM product holds a combination of decades of experience and the focused passion of our highly trained specialists and managers. "Great Products, Great People" for shared success, 100 percent quality and your satisfaction – guaranteed.



Founder and CEO
Hermann Schwellling (centre)
together with the shareholders
Christina Schwellling and
Harald Schwellling.



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, it is the minds, ideas and input of our entire team which 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 just a baling press!

**More Quality. More Service.
More Possibilities.**



Vertical baling presses

HSM V-Press – compact waste management solutions.

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

Page 4-10

Vertical
baling presses



Horizontal baling presses

HSM Horizontal baling presses – 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.

Page 12-15

Horizontal
baling presses



PET systems

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

Page 16-17

PET systems



Bulk shredding

HSM Powerline heavy duty document shredders, HSM shredder baler combinations and HSM multilevel shredder-systems – fully automatic document disposal systems for the professional destruction and compaction of large quantities of files.

Page 18-22

Bulk shredding



Channel baling presses

HSM Channel baling presses – baling presses for every application, every material and every individual requirement.

Page 23

Channel baling presses



Digital data media shredders

HSM Digital data media shredders – destroy securely and economically digital data media such as hard drives, magnetic tapes, CDs/DVDs, Blu-ray, discs, credit and loyalty cards and USB sticks.

Page 24-25

Digital data media
shredders



Packaging machines

HSM Packaging machines – convert bulky used cardboard boxes into an all-purpose and free packaging material.

Page 26-27

Packaging machines



Accessories

Dust extractors

Page 28-29







Accessories
Dust Extractors

Vertical Baling Presses

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 cost/performance ratio**
-  **Easy-to-use**
-  **Energy efficient**
-  **Bale weight up to 550 kg**


HSM V-Press 60 vertical baling press

- Compresses plastic foils, paper bags, lightweight boxes and packing paper.
- Mobile on castors.
- Effortless to operate with a minimum amount of strength.
- No electric or hydraulic components – no electricity, servicing or maintenance.
- Produces well-compressed, stackable bales.



Order number	Loading aperture W x H in mm	Dimensions W x D x H in mm	Weight in kg
HSM V-Press 60			
6201 111	740 x 635	810 x 735 x 1280	95
1 coil of strapping twine is included in the delivery.			


40 kg


600 mm 800 mm max. 800 mm

+

Consumable materials

Order number	Type	For Model	Dimensions W x D x H in mm	Weight per 100 pc.	Length/ roll	Weight/ roll
6201 993 000	Strapping twine	V-Press 60			200 m	2.0 kg
6201 995 001	Plastic bags	V-Press 60	700 x 650 x 2200	36.0 kg		

HSM V-Press 503 / 504 / 605 / 610 / 818 / 820 / 825 / 830 / 860 / 1160

- Compact and sturdy design.
- Small footprint.
- Large loading aperture.
- Selectable programmes for pressing cardboard or plastic foil.
- Modern microprocessor controller with membrane keypad and text display (except HSM V-Press 503 without text display).
- Secure filling flap and bale removal door.
- Flexible retaining claws.
- Robust, user-friendly bale ejection device (except HSM V-Press 503 and 504: bale removal and transport with discharge trolley – HSM V-Press 504 with mechanical bale ejector as option).
- TCS (TorsionControlSystem) for monitoring press ram movement (not for HSM V-Press 503).
- Automatic return stroke.
- Low maintenance hydraulics.



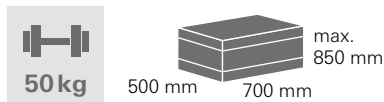
0.75 kW ~1N



HSM V-Press 503 vertical baling press

- Description see above.

Order number	Pressing power in kN	Loading aperture W x H in mm	Dimensions W x D x H in mm	Weight in kg
HSM V-Press 503 eco (double door with bell-crank lever)				
6154 104	30	700 x 500	953 x 679 x 1962	245
2 coils of strapping tape WG 30 are included in the delivery.				



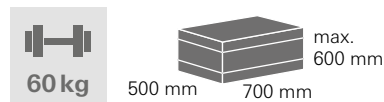
1.1 kW ~1N



HSM V-Press 504 vertical baling press

- Description see above.

Order number	Pressing power in kN	Loading aperture W x H in mm	Dimensions W x D x H in mm	Weight in kg
HSM V-Press 504 eco (double door with bell-crank lever)				
6151 151	40	700 x 470	1020 x 812 x 1922	290
HSM V-Press 504 eco (double door with bell-crank lever, with bale ejector)				
6151 251	40	700 x 470	1020 x 812 x 1922	290
2 coils of strapping tape WG 40 are included in the delivery.				



Consumable materials

Order number	Type	For model	Tensile strength	Tape width	Length/roll	Weight/roll
6205 993 010	Strapping tape WG 30	503, 504	280 kg	8.0 mm	500 m	2.2 kg
6212 993 010	Strapping tape WG 40	503, 504	380 kg	11.5 mm	500 m	3.3 kg
6127 990 101	Tape clamps					

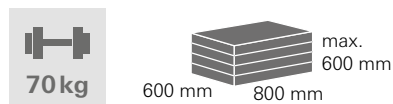


HSM V-Press 605 vertical baling press

- Description see page 5.

Order number	Pressing power in kN	Loading aperture W x H in mm	Dimensions W x D x H in mm	Weight in kg
HSM V-Press 605 eco (double door, hand wheel door lock – for three-phase current 3 x 400 V / 50 Hz)				
6112 164	57	800 x 495	1198 x 823 x 1986	485
HSM V-Press 605 eco (double door, hand wheel door lock – for alternating current 1 x 230 V / 50 Hz)				
6112 161	57	800 x 495	1198 x 823 x 1986	485

3 coils of strapping tape WG 40 are included in the delivery.

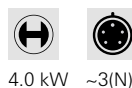
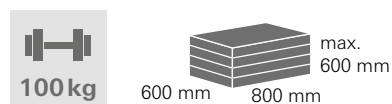


HSM V-Press 610 vertical baling press

- Description see page 5.

Order number	Pressing power in kN	Loading aperture W x H in mm	Dimensions W x D x H in mm	Weight in kg
HSM V-Press 610 eco (double door, hand wheel door lock)				
6110 164	120	800 x 495	1198 x 823 x 1986	540

3 coils of strapping tape WG 40 are included in the delivery.



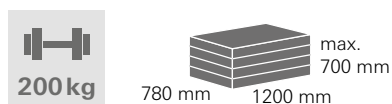
HSM V-Press 818 plus

HSM V-Press 818 vertical baling press

- Description see page 5.

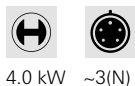
Order number	Pressing power in kN	Loading aperture W x H in mm	Dimensions W x D x H in mm	Weight in kg
HSM V-Press 818 plus (loading flap, hand wheel door lock)				
6150 264	185	1195 x 530	1700 x 1046 x 2370	1070
HSM V-Press 818 plus pro (sliding door, hand wheel door lock)				
6150 334	185	1195 x 540	1709 x 1248 x 2370	1173

4 coils of strapping tape WG 40 are included in the delivery.



+ Consumable materials

Order number	Type	For model	Tensile strength	Tape width	Length/roll	Weight/roll
6205 993 010	Strapping tape WG 30	605, 610	280 kg	8.0 mm	500 m	2.2 kg
6212 993 010	Strapping tape WG 40	605, 610, 818	380 kg	11.5 mm	500 m	3.3 kg
6127 990 101	Tape clamps					



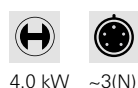
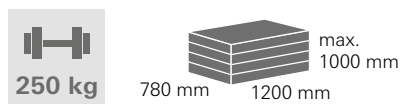
4.0 kW ~3(N)



HSM V-Press 820 vertical baling press

- Description see page 5.

Order number	Pressing power in kN	Loading aperture W x H in mm	Dimensions W x D x H in mm	Weight in kg
HSM V-Press 820 plus plus (loading flap, hand wheel door lock)				
6143 294	178	1195 x 558	1700 x 1075 x 2499	1300
4 coils of strapping tape WG 40 are included in the delivery.				



4.0 kW ~3(N)

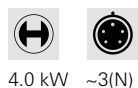
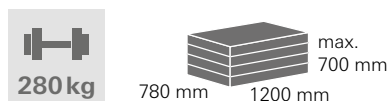


HSM V-Press 825 plus pro

HSM V-Press 825 vertical baling press

- Description see page 5.

Order number	Pressing power in kN	Loading aperture W x H in mm	Dimensions W x D x H in mm	Weight in kg
HSM V-Press 825 plus (loading flap, hand wheel door lock)				
6152 254	250	1195 x 530	1700 x 1046 x 2370	1070
HSM V-Press 825 plus pro (sliding door, hand wheel door lock)				
6152 334	250	1195 x 530	1700 x 1248 x 2370	1210
4 coils of strapping tape WG 40 are included in the delivery.				



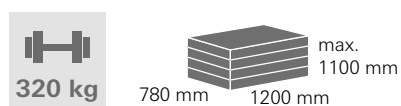
4.0 kW ~3(N)



HSM V-Press 830 vertical baling press

- Description see page 5.

Order number	Pressing power in kN	Loading aperture W x H in mm	Dimensions W x D x H in mm	Weight in kg
HSM V-Press 830 plus (sliding door, hand wheel door lock)				
6156 204	300	1195 x 530	1717 x 1247 x 2570	1445
2 bundles 53 pcs. each of the strapping wire 2.8 x 3700 mm are included in the delivery. Model with tape station: 4 coils of strapping tape WG 40 are included in the delivery.				



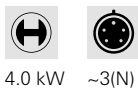
Option

Order number	Type	For model
6156 220 000	Tape station for strapping with polyester tape	V-Press 830



Consumable materials

Order number	Type	For model	Tensile strength	Tape width	Length/roll	Weight/roll
6212 993 010	Strapping tape WG 40	820, 825, 830	380 kg	11.5 mm	500 m	3.3 kg
6127 990 101	Tape clamps					
6135 993 002	Strapping wire 2.8 x 3700 mm	830				



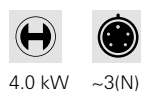
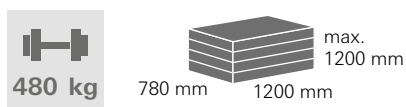
HSM V-Press 860 plus

HSM V-Press 860 vertical baling press

- Rapid stroke technology saves time and money.
- Description see page 5.

Order number	Pressing power in kN	Loading aperture W x H in mm	Dimensions W x D x H in mm	Weight in kg
HSM V-Press 860 eco (double door, hand wheel door lock)				
6148 184	594	1195 x 650	1797 x 1067 x 2985	1900
HSM V-Press 860 plus (sliding door, hand wheel door lock)				
6148 284	594	1195 x 650	1797 x 1247 x 2985	2030
HSM V-Press 860 max (sliding door, hydraulic door lock)				
6148 384	594	1195 x 650	1797 x 1247 x 2985	2083

2 bundles 53 pcs. each of the strapping wire 2.8 x 3700 mm are included in the delivery.
Model with tape station: 4 coils of strapping tape WG 55 are included in the delivery.



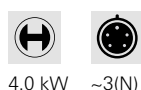
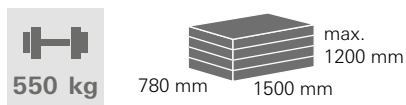
HSM V-Press 860 plus B vertical baling press

The HSM V-Press 860 plus B has a particularly wide loading aperture of 1500 mm.

- Rapid stroke technology saves time and money.
- Description see page 5.

Order number	Pressing power in kN	Loading aperture W x H in mm	Dimensions W x D x H in mm	Weight in kg
HSM V-Press 860 plus B (sliding door, hand wheel door lock)				
6158 114	594	1500 x 651	2099 x 1245 x 2985	2336

2 bundles 53 pcs. each of the strapping wire 2.8 x 3700 mm are included in the delivery.
Model with tape station: 4 coils of strapping tape WG 55 are included in the delivery.



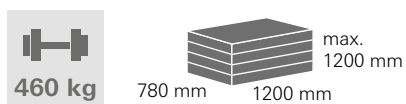
HSM V-Press 860 L vertical baling press

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

- Rapid stroke technology saves time and money.
- Description see page 5.

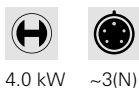
Order number	Pressing power in kN	Loading aperture W x H in mm	Dimensions W x D x H in mm	Weight in kg
HSM V-Press 860 L (double door, hydraulic door lock)				
6148 964	594	1195 x 650	1785 x 1067 x 2985	1950

2 bundles 53 pcs. each of the strapping wire 2.8 x 3700 mm are included in the delivery.
Model with tape station: 4 coils of strapping tape WG 55 are included in the delivery.



Option

Order number	Type	For model
6148 220 000	Tape station for strapping with polyester tape	V-Press 860, 860 L
6158 220 000	Tape station for strapping with polyester tape	V-Press 860 plus B



4.0 kW ~3(N)

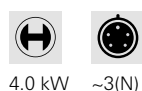
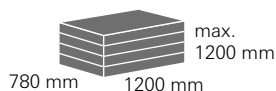
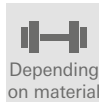


HSM V-Press 860 S vertical baling press

The HSM V-Press 860 S is designed for the volume reduction of stiff plastics (e.g. monitor and TV set housings) and expanding plastic film.

- Rapid stroke technology saves time and money.
- Description see page 5.

Order number	Pressing power in kN	Loading aperture W x H in mm	Dimensions W x D x H in mm	Weight in kg
HSM V-Press 860 S (double door, hydraulic door lock)				
6148 864	434	1195 x 650	1868 x 1076 x 2985	2290
2 bundles 53 pcs. each of the strapping wire 3.1 x 3700 mm are included in the delivery.				



4.0 kW ~3(N)

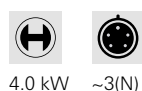
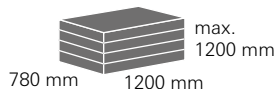
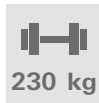


HSM V-Press 860 P vertical baling press

The 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.
- Description see page 5.

Order number	Pressing power in kN	Loading aperture W x H in mm	Dimensions W x D x H in mm	Weight in kg
HSM V-Press 860 P (loading flap, hydraulic door lock)				
6148 774	434	1195 x 650	1870 x 1294 x 2985	2290
2 bundles 53 pcs. each of the strapping wire 3.1 x 3700 mm are included in the delivery.				



4.0 kW ~3(N)

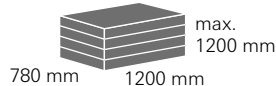
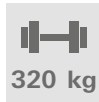


HSM V-Press 860 E vertical baling press

Die HSM V-Press 860 E ist speziell für die Verdichtung von gecrushten PET-Flaschen bestimmt.

- Special retaining claws optimise the compression by stopping the expansion into the press chamber.
- Rapid stroke technology saves time and money.
- Stainless steel tray for manual draining.
- Description see page 5.

Order number	Pressing power in kN	Loading aperture W x H in mm	Dimensions W x D x H in mm	Weight in kg
HSM V-Press 860 E (loading flap, hydraulic door lock)				
6148 101	548	1195 x 640	1785 x 1544 x 2990	2105
2 bundles 53 pcs. each of the strapping wire 2.8 x 3700 mm are included in the delivery.				



Consumable materials

Order number	Type	For model	Tensile strength	Tape width	Length/roll	Weight/roll
6212 993 010	Strapping tape WG 55	860, 860 L, 860 plus B	670 kg	14.6 mm	400 m	4.5 kg
6127 990 101	Tape clamps					
6135 993 003	Strapping wire 3.1 x 3700 mm	860 S, 860 P				
6135 993 002	Strapping wire 2.8 x 3700 mm	860 (plus B, L, P, E, S)				



4.0 kW
+ 3.0 kW

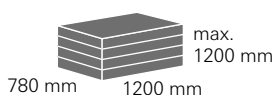


HSM V-Press 860 TimeSave vertical baling press

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.

- Rapid stroke technology saves time and money.
- Description see page 5.

Order number	Pressing power in kN	Loading aperture W x H in mm	Dimensions W x D x H in mm	Weight in kg
HSM V-Press 860 TimeSave (double door with hand wheel door lock, operation either left or right hand)				
6155 304A	594	1195 x 650	2202 x 3584 x 3004	3680
1 bundle 36 pcs. of the strapping wire 2.45 x 3400 mm is included in the delivery.				



4.0 kW ~3(N)

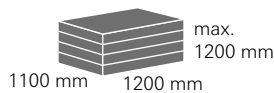
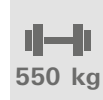


HSM V-Press 1160 max

HSM V-Press 1160 vertical baling press

- Rapid stroke technology saves time and money.
- Description see page 5.

Order number	Pressing power in kN	Loading aperture W x H in mm	Dimensions W x D x H in mm	Weight in kg
HSM V-Press 1160 eco (double door, hand wheel)				
6140 194	594	1195 x 650	1780 x 1388 x 2985	2427
HSM V-Press 1160 plus plus (sliding door, hand wheel)				
6144 194	594	1195 x 650	1780 x 1568 x 2985	2427
HSM V-Press 1160 max max (sliding door, hydraulic door lock)				
6144 394	594	1195 x 650	1780 x 1568 x 2985	2430
2 bundles 45 pcs. each of the strapping wire 2.8 x 4400 mm are included in the delivery.				
Model with tape station: 4 coils of strapping tape WG 55 are included in the delivery.				



7.5 kW ~3(N)



HSM FP 3000 Barrel press

- Suitable for light metal and rolled hoop drums.
- Closed design with inspection window.
- Microprocessor controls with membrane keypad.
- Press ram guidance with roller bearings with spikes for opening the barrels.
- Sump tray for residual collection.
- Automatic return stroke.
- Low maintenance.
- Short cycle times.
- Explosion protected model as per EX II 2 G Ex h IIB T4 Gb X available on request.
- Max. barrel size: 200 litres.

Order number	Dimensions W x D x H in mm	Max. barrel size Ø x H in mm	Dimensions W x D x H in mm	Weight in kg
HSM FP 3000				
6820 194	270	618 x 1092	1158 x 997 x 2892	972
HSM FP 3000, Explosion protected design with hand lever control				
6820 264	270	618 x 1092	1158 x 997 x 2892	972



Option / Accessory

Order number	Type	For model
6148 220 000	Tape station for strapping with polyester tape	V-Press 860, 860 L
6336 990 200	Disposal container	V-Press 860 TimeSave



Consumable materials

Order number	Type	For model	Tensile strength	Tape width	Length/roll	Weight/roll
6212 993 010	Strapping tape WG 55	1160	670 kg	14.6 mm	400 m	4.5 kg
6155 993 000	Quick-Link wire 2.45 x 3400 mm	860 TimeSave				
6135 993 002	Strapping wire 2.8 x 4400 mm	1160				

Amongst all of the advantages, there is 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. This not only applies to our headquarters but also to all HSM service centres in Germany and all over the world.



Organisation of logistics services

- Transport organisation, coordination of other partners
- Installation, instructions and start-up
- Maintenance, servicing and upkeep
- Maintenance contracts



On-site expert advice

- On-site specialist advice from experienced consultants in the sales and project teams
- Calculation of cost savings by using an 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



Service by trained engineers

- Approx. 65 field service technicians and 15 office service technicians in Germany, Austria, Switzerland, Belgium, the Netherlands and Italy
- Approx. 35 field service technicians and 10 office Service technicians in the subsidiaries (England, France, Poland, Spain, USA and China)
- Partner companies in more than 100 countries



Training sessions by the HSM Academy

Service training for engineers and operators on-site or in the HSM training centre by the HSM Academy

Horizontal Baling Presses

The HSM horizontal baling presses are suitable for industry, manufacturers and waste disposal companies. In addition to paper, cardboard and foil, they are often used for compressing expansive materials such as foams, polystyrene, hollow vessels,

metal buckets, barrels, car tyres etc. The baling presses of the HL series feature low overall height and a large loading aperture, facilitating handling of these materials by the user.



Volume reduction
up to 95 %



Perfect HGV
load utilisation



Attractive cost/
performance ratio



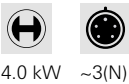
Easy-to-use



Bale weight
up to 850 kg

HSM HL 8 TE, 12 Gigant, HL 1615

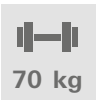
- Optimum ease of operation.
- Large loading aperture.
- Secure loading flap and bale removal door.
- Automatic return stroke.
- Compact design.
- Bale ejection on full stroke of the press ram.
- Torsion resistant press ram guidance.
- Fast, convenient bale strapping with continuous polyester tape.



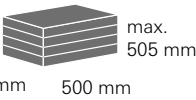
HSM 8 TE horizontal baling press

- Low maintenance hydraulics.
- Mobile on castors.

Order number	Pressing power in kN	Loading aperture W x H in mm	Dimensions W x D x H in mm	Weight in kg
HSM 8 TE				
6208 194	80	645 x 730	2505 x 813 x 868	554
3 coils of strapping tape WG 40 are included in the delivery.				



70 kg





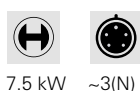
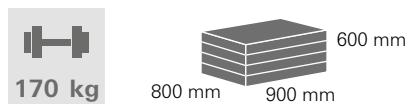
7.5 kW ~3(N)



HSM 12 Gigant horizontal baling press

- High throughput.
- Hydraulic counterplate.
- Press ram roller bearing mounted.
- Mobile on castors.

Order number	Pressing power in kN	Loading aperture W x H in mm	Dimensions W x D x H in mm	Weight in kg
HSM 12 Gigant				
6214 174	140	800 x 1200	4263 x 1030 x 1623	1330
3 coils of strapping tape WG 40 are included in the delivery.				



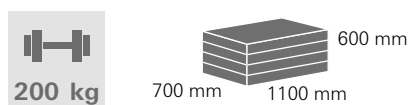
7.5 kW ~3(N)



HSM HL 1615 horizontal baling press

- High throughput via large split-loading hopper and short compression cycle.
- Hydraulic counterplate.
- Complete with protective grating.
- Press can be divided for transport.

Order number	Pressing power in kN	Loading aperture W x H in mm	Dimensions W x D x H in mm	Weight in kg
HSM HL 1615 (4-fold strapping)				
6219 134	150	700 x 1500	4470 x 1343 x 2042	1890
4 coils of strapping tape WG 45 are included in the delivery.				



Option

Order number	Type	Für Modell
6214 318 000	Polythene bag attachment	HL 12 Gigant
6217 318 000	Polythene bag attachment	HL 1615



Consumable materials

Order number	Type	For model	Tensile strength	Tape width	Length/roll	Weight/roll
6205 993 010	Strapping tape WG 30	HL 8 TE	280 kg	8.0 mm	500 m	2.2 kg
6212 993 010	Strapping tape WG 40	HL 12 Gigant	380 kg	11.5 mm	500 m	3.3 kg
6314 993 000	Strapping tape WG 45	HL 1615	580 kg	12.7 mm	400 m	3.9 kg
6127 990 101	Tape clamps					

HSM HL 4809 ST / 4812 / 7009 / 3521

horizontal baling presses for special requirements

- Very low space requirement.
- Compress cardboard and foils.
- Especially large loading aperture and hydraulic pre-compactor for bulky materials.
- Convenient filling via hydraulic lift and tilt device or bevelled hopper.
- Trolley fixing via magnet and position monitoring via sensor.
- Suitable for continuous loading.
- Hydraulic counterplate for bale removal ensures optimum operating convenience and safety.
- High specific pressing power provides a high compaction of the material and consequently an optimum HGV load.
- Intuitive, multilingual operational guidance via graphic description.
- Pallet locking mechanism for safe bale removal.



9.2 kW
+1.5 kW

~3N

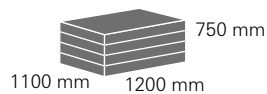
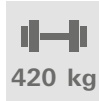


HSM HL 4809 ST horizontal baling press

- Description see above.
- 4-fold strapping with Quick-link wire.

Order number	Pressing power in kN	Loading aperture W x H in mm	Dimensions W x D x H in mm	Weight in kg
HSM HL 4809 ST (operating side optionally left hand or right hand)				
	480	1020 x 900	5926 x 1978 x 2042	approx. 5900
HSM HL 4809 ST/A (operating side optionally left hand or right hand), with automatic lift and tilt device				
	480	1020 x 900	6483 x 2239 x 2042	approx. 5900

Bundles with 36 wires 2.45 x 4400 mm are included in the delivery.



15 kW
22 kW

~3N

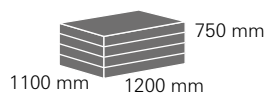


HSM HL 4812 horizontal baling press

- Description see above.
- 4-fold strapping with Quick-link wire.

Order number	Pressing power in kN	Loading aperture W x H in mm	Dimensions W x D x H in mm	Weight in kg
HSM HL 4812 (Motor 15 kW oder 22 kW)				
	480	1020 x 1250	5116 x 2411 x 2558 (cubic feeding hopper)	approx. 7000

Initial supply of wire is included in the delivery.



Accessory

Order number	Type	For model
6336 990 030	Disposal container	HL 4809 ST



Consumable materials

Order number	Type	For model
6236 993 145	Quick-link wire 2.45 x 4400 mm	HL 4809, HL 4812



9.2 kW
+1.5 kW



9.2 kW
+1.5 kW



9.2 kW
22 kW



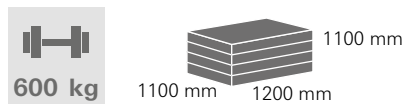
HSM HL 3521 S

HSM HL 7009 horizontal baling press

- Description see page 14.
- 4-fold strapping with Quick-link wire.

Order number	Pressing power in kN	Loading aperture W x H in mm	Dimensions W x D x H in mm	Weight in kg
HSM HL 7009 (operating side optionally left hand or right hand)				
700		1020 x 900	5992 x 2066 x 2394	approx. 7400
HSM HL 7009 ST/A (operating side optionally left hand or right hand), with automatic lift and tilt device				
700		1020 x 900	6464 x 2310 x 2394	approx. 7400

3 bundles with 36 wires 2.45 x 4400 mm are included in the delivery.

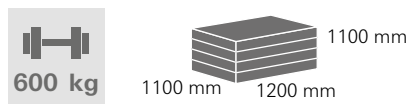


HSM HL 7009 MGB horizontal baling press

- Economical and space saving waste disposal solution for industry with automatic emptying of a large refuse container.
- Description see page 14.
- 4-fold strapping with Quick-link wire.

Order number	Pressing power in kN	Loading aperture W x H in mm	Dimensions W x D x H in mm	Weight in kg
HSM HL 7009 MGB (operating side optionally left hand or right hand)				
700		1020 x 900	5813 x 1994 x 3690	approx. 7400

3 bundles with 36 wires 2.45 x 4400 mm are included in the delivery.



HSM HL 3521 S / HL 3521 T horizontal baling presses

- Stored-programme controller PLC.
- HSM HL 3521 S with 6-fold strapping with Quick-link wire and HSM HL 3521 T with 5-fold strapping with Quick-link wire for highly expansive material.
- Flexible retaining claws.
- Press ram very stable on roller bearings.
- Description see page 14.

Artikel-nummer	Presskraft in kN	Einfüllöffnung B x L in mm	Abmessungen L x B x H in mm	Gewicht in kg
HSM HL 3521 S (for compaction of highly expansive material, Motor 9.2 kW or 22 kW)				
320		800 x 2100	7900 x 1723 x 2485	7100
HSM HL 3521 T (for compacting tyres, can be supplied with a conveyor belt), Motor 22 kW				
320		800 x 2100	8119 x 1723 x 2485	8100

3 bundles with 36 wires 2.45 x 4400 mm are included in the delivery.



*HSM HL 3521 S: up to 600 kg (depending on material).
HSM HL 3521 T: up to 850 kg.



Option / Accessory

Order number	Type	For model
6336 990 030	Disposal container	HL 7009
on request	Tape station for strapping with polyester tape	HL 3521 S



Consumable materials

Order number	Type	For model	Tensile strength	Tape width	Length/roll	Weight/roll
6216 993 000	Strapping tape WG 65	HL 3521 S	800 kg	17.3 mm	400 m	5.3 kg
6127 990 101	Tape clamps					
6236 993 121	Quick-link wire 2.95 x 3800	HL 3521 S				
6236 993 131	Quick-link wire 2.95 x 4000	HL 3521 S				
6236993 141	Quick-link wire 2.95 x 4200	HL 3521 S. HL 3521 T				
6236 993 161	Quick-link wire 2.95 x 4300	HL 3521 S				
6236 993 151	Quick-link wire 2.95 x 4500	HL 3521 S				
6236 993 145	Quick-link wire 2.45 x 4400	HL 7009. HL 7009 MGB				

Vertical baling presses

Horizontal baling presses

PET systems

Bulk shredding

Channel baling presses

Digital data media shredders

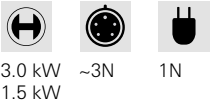
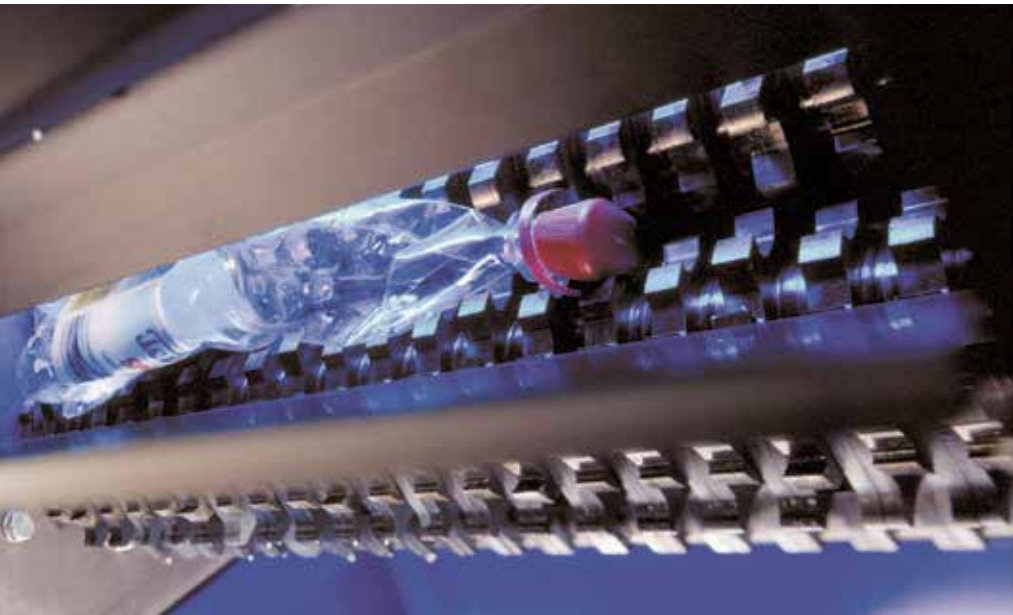
Packaging machines

Accessories
Dust Extractors

PET systems

Compressing and invalidating – HSM oers solutions for all aspects of PET disposal. With our years of experience as a pioneer in the field of PET compaction and the quality of HSM

"Made in Germany", we are your partner in the field of economical PET recycling.



HSM 1049 SA PET crusher

- Sturdy and compact design.
- Safe invalidating, crushing and compression of PET and UBCs in a single operation.
- Automatic stop with LED once collection container is full.
- Easy operation with membrane keypad.
- Removable collection trolley with reusable 290 litre polythene bag.
- Device switches o automatically.
- Hopper filling: 50-70 bottles (1 litre).

Order number	Volume reduction	Dimensions W x D x H in mm	Loading height in mm	Weight in kg
HSM PET-Crusher 1049 SA (3.0 kW motor, for three-phase current 400 V / 50 Hz)				
1697 124	1:3 up to 1:4	793 x 1751 x 2037	1206	288
HSM PET-Crusher 1049 SA (1.5 kW motor, for alternating current 1 x 230 V / 50 Hz)				
1692 141	1:3 up to 1:4	793 x 1751 x 2037	1206	230

+

Consumable material

Order number	Type	For Model	Dimensions W x D x H in mm	Weight per 100 pieces
1452 995 000	Plastic bag	Crusher 1049 SA	570 x 545 x 1150	20.5 kg



4.0 kW +
2.2 kW ~3N



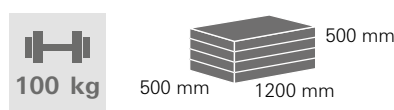
Crusher-Pressen-Kombination HSM PET CP 4988

Efficient PET recycling system reduces the volume of empty PET bottles and cans by up to 90 % in one cycle and produces compact raw material bales.

- Low space requirement.
- Manual and automatic filling possible.
- Crusher rollers made of specially hardened and ground steel
- Scraper system removes the compressed plastic bottles and cans reliably from the crusher rollers.
- Dosing shaft with several paddles ensures that the PET bottles are reliably fed to the rollers
- Impervious and sturdy – for a long service life.
- Automatic photoelectric control of the pressing process.
- Manual, 3-fold strapping with continuous polyester tape.
- Display to indicate “bale ready”.

Order number	Pressing power in kN	Dimensions W x D x H in mm	Loading height in mm	Weight in kg
HSM PET CP 4988 operating side left hand				
6577 144	100	990 x 3826 x 1800	1511	1150
HSM PET CP 4988 operating side right hand				
6577 344	100	990 x 3826 x 1800	1511	1150

3 coils of strapping tape WG 65 are included in the delivery.



3.0 kW +
4.0 kW ~3(N)



HSM PET FluidEx 600

Quick and reliable draining of full PET bottles, beverage cartons and cans which have been filled or labelled incorrectly or where the sell-by date has been exceeded.

- Containers emptied by up to 98 %.
- Optimum removal of any remaining liquids using 2-shaft technology.
- Both manual and automatic filling possible.
- Specific discharge system for liquids via hose or pump (not included in the delivery).
- Easy to clean due to side inspection door and hinged outlet chute.
- Ideal as complement to the HSM baling presses.
- Throughput up to 10,000 PET bottles (1litre) per hour.
- Low space requirement.

Order number	Dimensions W x D x H in mm	Loading height in mm	Weight in kg
HSM PET FluidEx 600			
1985 134	1215 x 3454 x 1775	approx. 1270	approx. 1230



Accessory

Order number	Type	For model
1985 170 001	Separate filter tray	FluidEx 600



Consumable materials

Order number	Type	For Model	Tensile strength	Tape width	Length/roll	Weight/roll
6216 993 000	Strapping tape WG 65	CP 4988	800 kg	17.3	400 m	5.3 kg
6127 990 101	Tape clamps					

Vertical
baling presses

Horizontal
baling presses

PET systems

Bulk shredding

Channel baling presses

Digital data media
shredders

Packaging machines

Accessories
Dust Extractors

Bulk shredding

The robust technology of the HSM Powerline heavy duty document shredders is specially designed for a large throughput and long total operating time. The top of the range model HSM Powerline FA 500.3 processes bound documents and folders of up to 550 sheets at a time. The powerful heavy duty devices are perfect for large archives or as a central station for document shredding.

The HSM Powerline shredder baler combinations are complete, compact waste disposal stations. They provide data security up to security level P-5 and compress the shredded material into bales, which can be easily transported and recycled. The HSM Powerline shredder baler combinations are built for shredding large quantities.



HSM Powerline heavy duty document shredders

- Cutting rollers made of hardened solid steel.
- Convenient material feeding via conveyor belt.
- Powerful motor for continuous operation.
- Energy efficiency class IE3 compliant motors.
- Effortless emptying via a removable trolley with a reusable collecting bag.
- An automatic reverse reduces paper jams.
- Practical storage table for data carriers.
- Mobile on castors, with parking brake.



HSM Powerline FA 400.2 heavy duty document shredder

Thanks to its large throughput, this sturdy and durable heavy duty document shredder is perfect for use in archives or central stations for document shredding.

- User safety through emergency off switch.
- Functional operator control panel with LED indicator.
- Cross cut document shredders have a manual oiler.

Order number	Cutting size in mm	Cutting capacity in sheets 80 g/m ²	Security level ISO/IEC 21964 (DIN 66399)	Shredder material	Weight in kg
HSM Powerline FA 400.2					
1534 144	11.8	144	P-1 / O-1 / T-1 / E-1		445
1513 144	5.8	104	P-2 / O-2 / T-2 / E-2		425
1514 144	5.8 x 50	96	P-3 / O-2 / T-3 / E-2		430
1515 144	3.9 x 40	80	P-4 / O-3 / T-4 / E-3 / F-1		444
Dimensions (W x D x H): 1120 x 1568 x 1649 mm					
Scope of delivery: Plastic bags (5 pieces), special lubricating oil (250 ml) for particle cut versions.					



HSM Powerline FA 500.3 heavy duty document shredder

The top model of the HSM Powerline heavy duty document shredder range. This powerhouse is perfect for the shredding of large quantities in archives or central document shredding stations.

- User safety through emergency off rail.
- Multifunction control panel for intuitive operation.
- Automatic oiler provides for consistently high cutting capacity.

Order number	Cutting size in mm	Cutting capacity in sheets 80 g/m ²	Security level ISO/IEC 21964 (DIN 66399)	Shredder material	Weight in kg
HSM Powerline FA 500.3					
1992 114	10.5 x 40-76	510-550	P-2 / O-2 / T-2 / E-2		883
1990 114	6 x 40-53	300-350	P-3 / O-2 / T-3 / E-2		905
1994 114	3.9 x 40	180-200	P-4 / O-3 / T-4 / E-3 / F-1		905
1993 114	1.9 x 15	90-100	P-5 / O-4 / T-5 / E-4 / F-2		1060
Dimensions (W x D x H): 1168 x 1796 x 1792 mm					
Scope of delivery: Plastic bags (5 pieces), special lubricating oil (5 l).					



Accessories

Order number	Type	For model
2410 114	HSM DE 4-100 Dust extractor	FA 400.2
2461 111	Extension of the loading table for 600 mm, on the left or right, as required	FA 400.2
2441 111	Additional shredder-material collecting trolley	FA 400.2
2411 114	HSM DE 4-100 Dust extractor	FA 500.3
2460 111	Extended loading table (extended 600 mm on the left)	FA 500.3
2421 111	Discharge conveyor belt (1613 mm discharge height)	FA 500.3
2440 111	Additional shredder-material collecting trolley	FA 500.3



Consumable materials

Order number	Type	For Model	Dimensions W x D x H in mm	Weight per 100 pieces
1513 995 100	Plastic bag 460 l (PU 25 pc.)	FA 400.2	575 x 900 x 1500	46.5
1513 995 000	Plastic bag 230 l (PU 25 pc.)	FA 400.2	575 x 440 x 1500	26.0
1235 997 403	Special lubrication oil for cutting head (bottle 250 ml)	FA 400.2		
6205 595 000	Plastic bag (PU 25 pc.)	FA 500.3	700 x 620 x 1500	33.0
1235 997 501	Special lubrication oil for cutting head (Canister 5 l)	FA 500.3		

HSM Powerline shredder baler combinations

- Cutting rollers made of hardened solid steel.
- Convenient material feeding via non-slip conveyor belt.
- Continuous operation is possible thanks to the powerful motor with a chain drive.
- Energy efficiency class IE3 compliant motors.
- Automatic return eliminates paper jams.
- Light barrier for automatic start of the compression process.
- Practical storage table for data carriers.
- Mobile on castors, with parking brake.

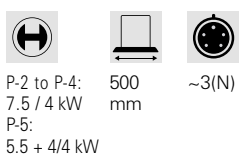
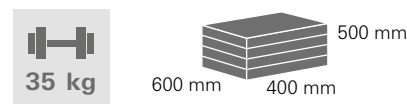


HSM Powerline SP 4040 V shredder baler combination

With this waste disposal station, HSM combines the FA 500.3 heavy duty document shredder with a channel baling press. It is therefore perfect for use in archives or central stations for shredding large quantities of documents, which are then compressed into bales.

- Shredded material is compressed into compact bales and can be cleanly disposed of either in a box or waste bag.
- Practical removal trolley for the easy removal of bales.
- Cross cut shredder baler combinations have a manual oiler.
- User safety through emergency off switch.
- Functional operator control panel with LED indicator.
- Pressing power: 44 kN.

Order number	Cutting size in mm	Cutting capacity in sheets 80 g/m ²	Security level ISO/IEC 21964 (DIN 66399)	Shredder material	Weight in kg
HSM Powerline SP 4040 V					
2513111144	5.8	104	P-2 / O-2 / T-2 / E-2		737
2514111144	5.8 x 50	96	P-3 / O-2 / T-3 / E-2		737
2515111144	3.9 x 40	80	P-4 / O-3 / T-4 / E-3 / F-1		737
Dimensions (W x D x H): 1117 x 2175 x 1981 mm					
Scope of delivery: Plastic bags (5 pieces), special lubricating oil (5 l).					

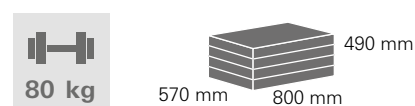


HSM Powerline SP 5080 shredder baler combination

This powerful combination of the FA 500.3 heavy duty document shredder and a counterplate baling press provides for data security in archives and compresses the shredded material into bales.

- Shredded material is compressed into compact bales and can be cleanly disposed of in a waste bag.
- The bale weight is variable depending on the requirement.
- User safety through emergency off rail.
- Automatic oiler provides for consistently high cutting capacity.
- Multifunction element for intuitive operation.
- Mobile on castors, with parking brake.
- Pressing power: 80 kN

Order number	Cutting size in mm	Cutting capacity in sheets 80 g/m ²	Security level ISO/IEC 21964 (DIN 66399)	Shredder material	Weight in kg
HSM Powerline SP 5080					
2992209134	10.5 x 40-76	510-550	P-2 / O-2 / T-2 / E-2		1350
2990209134	6 x 40-53	300-350	P-3 / O-2 / T-3 / E-2		1350
2994209134	3.9 x 40	180-200	P-4 / O-3 / T-4 / E-3 / F-1		1350
2993209134	1.9 x 15	90-100	P-5 / O-4 / T-5 / E-4 / F-2		1480
Dimensions (W x D x H): 1267 x 2474 x 1792 mm					
Scope of delivery: Plastic bags (5 pieces), Special lubricating oil (5 l).					





P-2 to P-4:
7.5 / 4 kW
P-5:
5.5 + 4/4 kW



500 mm ~3(N)

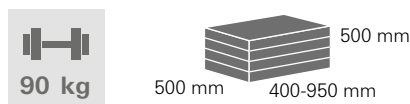


HSM Powerline SP 5088 shredder baler combination

With this waste disposal station, HSM combines the FA 500.3 heavy duty document shredder with a channel baling press. It is therefore perfect for use in archives or central stations for shredding large quantities of documents, which are then compressed into bales.

- Simple commissioning of the combination using Plug-and-Play.
- Shredded material is compressed into compact-bales, which are manually tied off with three balerstraps and can also be disposed of cleanly in a waste bag.
- User safety through emergency off rail.
- The bale weight is variable depending on the requirement.
- Automatic oiler provides for consistently high cutting capacity.
- Multifunction element for intuitive operation.
- Pressing power: 85 kN.

Order number	Cutting size in mm	Cutting capacity in sheets 80 g/m ²	Security level ISO/IEC 21964 (DIN 66399)	Shredder material	Weight in kg
HSM Powerline SP 5088					
2992414134	10.5 x 40-76	510-550	P-2 / O-2 / T-2 / E-2		1660
2990414134	6 x 40-53	300-350	P-3 / O-2 / T-3 / E-2		1660
2994414134	3.9 x 40	180-200	P-4 / O-3 / T-4 / E-3 / F-1		1660
2993414134	1.9 x 15	90-100	P-5 / O-4 / T-5 / E-4 / F-2		1790
Dimensions (W x D x H): 1273 x 3281 x 1792 mm					
Scope of delivery: Plastic bags (5 pieces), special lubricating oil (5 l).					



Accessories

Order number	Type	For model
2410 114	HSM DE 4-100 Dust extractor	SP 4040 V
2461 111	Extension of the loading table for 600 mm, on the left or right, as required	SP 4040 V
2411 114	HSM DE 4-100 Dust extractor	SP 5080 / SP 5088
2460 111	Extended loading table (600 mm on the left)	SP 5080 / SP 5088
2490 111	Pallet holder HSM KP 88.2	SP 5088



Consumable materials

Order number	Type	For Model	Dimensions W x D x H in mm	Weight per 100 pieces
6111 995 200	Plastic bag (PU 25 pc.)	SP 4040 V	600 x 400 x 1000	17.5
6111 995 101	Cardboard box	SP 4040 V	590 x 485 x 390	
1235 997 403	Special lubrication oil for cutting head (bottle 250 ml)	SP 4040 V		
6209 995 000	Plastic bag (PU 25 pc.)	SP 5080	580 x 500 x 1400	27.0
6515 995 000	Plastic bag (PU 25 pc.)	SP 5088	560 x 540 x 1200	22.6
1235 997 501	Special lubrication oil for cutting head (Canister 5)	SP 5080, SP 5088		
6205 993 010	Strapping tape WG 30	SP 5088		
6127 990 101	Tape clamps	SP 5088		

Vertical
baling presses

Horizontal
baling presses

PET systems

Bulk shredding

Channel baling presses

Digital data media
shredders

Packaging machines

Accessories
Dust Extractors

Multi-stage shredder system HSM Powerline

- The material can be loaded with a conveyor belt or discharge chute.
- Automatic stop and reverse when jammed.
- Can be used as a complete disposal system in combination with an HSM baling press.



2 x 5.5 /
2 x 5.5
kW

~3N



DuoShredder 5750 multi-stage shredder system

- Two-stage fully automated shredding system.
- Comprising pre-shredder V 570 and downstream shredder P 500.
- Incorporates photo-electric cell in loading hopper
- Pre-shredder with 4-shaft device (2 x intake shafts and 2 x cutting shafts).
- The entire system is controlled automatically.
- Robust frame construction with service and maintenance doors
- System compatible with optional baling press model HSM KP 88.

Order number	Cutting size in mm	Cutting capacity in sheets 80 g/m ²	Security level ISO/IEC 21964 (DIN 66399)	Shredder material	Weight in kg
HSM DuoShredder 5750					
	6 x 40-53	P-3 / O-2 / T-3 / E-2	up to 800	500	2500
	4.6 x 34	P-4 / O-3 / T-4 / E-3 / F-1	up to 650	500	2500
Dimensions (W x D x H): 1900 x 1200 x 3300 mm (depending on project-related layout)					



2 x 11 /
2 x 7.5 /
2 x 7.5 kW

~3N



HSM TriShredder 6060 multi-stage shredder system

- Three-stage fully automated shredding system.
- Comprising pre-shredder V 600 and 2 x downstream shredders P 600.
- Equipped as standard with energy saving frequency-regulated drive.
- Pre-shredder with projecting teeth for improved material intake.
- Incorporates photo-electric cell in loading hopper.
- Reliably shreds entire files and phone books.
- Can also be used for other materials after consultation with HSM.
- System compatible with HSM fully automatic baling systems.
- Other loading options on request.

Order number	Cutting size in mm	Cutting capacity in sheets 80 g/m ²	Security level ISO/IEC 21964 (DIN 66399)	Shredder material	Weight in kg
HSM TriShredder 6060					
	7.5 x 40-80	P-3 / O-2 / T-3 / E-2	up to 2500	650	4000
	4.6 x 34	P-4 / O-3 / T-4 / E-3 / F-1	up to 2000	650	4000
Dimensions (W x D x H): 1940 x 1430 x 3900 mm (depending on project-related layout)					



Accessories

Order number	Type	For Model	Dimensions W x D x H in mm
	Feeding conveyor belt	DuoShredder, TriShredder	
1512 070 550	Material collection trolley for solo operation (320 l)	DuoShredder	600 x 1000 x 700

Channel baling presses

Channel baling presses by HSM are customized waste disposal solutions for all application areas. HSM distinguishes between channel baling presses from the AK-series featuring manual bale strapping and the VK series which feature fully automatic strapping. The size of the press depends on the material load, the type of material and the space available at the operator's facility.

HSM VK-series channel baling presses range from applications with a throughput of approximately 50 m³ per hour up to around 1100 m³ per hour. The weight of the bales of compacted cardboard, foil, PET bottles or other materials varies from 60 kg to 1250 kg. The dimensions of the bale guarantee optimal lorry and container loading.



Pressing power
up to 1500 kN



Energy efficient



Bale weight
up to 1250 kg



Cardboard, paper



Plastic film (PPK)



PET bottles



DSD-goods

Solutions for special applications

The briquetting press HSM BRP 4810 compacts easily and fully automatically large amounts of PET bottles and beverage cans.

- No strapping of the briquettes needed.
- Briquetting density of approx. 400 kg/m³ (PET/UBC) and approx. 760 kg/m³ (aluminium beverage cans) thanks to multistage compaction.
- Driving power through a highly efficient and low maintenance PowerPack.
- For continuous loading.
- Robust construction made of wear-free steel.



Digital data media shredders

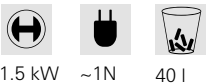
Take care when disposing of digital storage media! Huge amounts of confidential information are stored on our computers, USB sticks, magnetic tapes, CDs, DVDs and Blu-ray discs, credit cards and loyalty cards. But what happens to these storage devices when they are no longer required? The solution is

mechanical destruction! The HSM StoreEx digital data media shredders shred digital and magnetic media into tiny particles, making recovery practically impossible. Safe and efficient to use, data protection compliant.



HSM StoreEx digital data media shredders

- Cutting rollers made of hardened solid steel.
- Very suitable for the decentralised destruction of a smaller quantity of data media.
- Powerful, energy-saving power unit enables long operation at a low noise level.
- An automatic reverse eliminates material jams.
- Convenient operation via the membrane keypad.
- Mobile on castors, with parking brake.
- Low maintenance due to closed direct drive unit.
- Small footprint thanks to the compact design.



1.5 kW ~1N 40 l



HSM StoreEx HDS 150 digital data media shredder

The HSM StoreEx HDS 150 digital data media shredder destroys digital media devices in a safe and economical way – and is data protection compliant as well.

- Digital data media shredder with single-phase power connection
- Removable waste container for effortless emptying.
- Different functional modes for the various types of material and maximum throughput.
- Mobile on castors, with parking brake.

Order number	Cutting size in mm	Device type	Cutting capacity items/hour			Security level ISO/IEC 21964 (DIN 66399)	Shredder material	Weight in kg
			Hard drives 3,5" (1 Hard drive per pass)	CDs/ DVDs	Magnetic tapes			
HSM StoreEx HDS 150								
1772 111	11.5 x 26	single-stage	up to 210	up to 4200	up to 280	H-3 / T-1 / E-2		534
Dimensions (W x D x H): 1200 x 815 x 1325 mm								
Dimensions of feed-in opening (W x D x H): 165 x 290 x 60 mm								



3.2 / 6.2 kW
single/dual
stage



~3(N)



45 l



HSM StoreEx HDS 230 digital data media shredder (with removable waste container)

Secure, data protection compliant and economical. This digital data media shredder shreds digital data carriers into little particles and makes data recreation virtually impossible.

- Removable waste container for effortless emptying.
- User safety due to emergency off switch.
- Time-saving direct input of CDs/loyalty cards.
- The control cabinet is easily accessible from the front of the machine.

Order number	Cutting size in mm	Device type	Cutting capacity items/hour			Security level	Shredder material	Weight in kg
			Hard drives 3,5" (1 Hard drive per pass)	CDs/ DVDs	Magnetic tapes	ISO/IEC 21964 (DIN 66399)		

HSM StoreEx HDS 230 (with removable waste container)

1778 124	20 x 40-50	single-stage	up to 360	up to 7500	up to 500	H-4 / O-1 / T-2 / E-2		733
1777 124	11.5 x 26	dual-stage	up to 280	up to 6000	up to 420	H-5 / O-2 / T-3 / E-2		1098

Dimensions (W x D x H): 1550 x 870 x 1420 mm

Dimensions of feed-in opening (W x D x H): 165 x 300 x 60 mm



3.2 / 6.2 kW
single/dual
stage



~3(N)



HSM StoreEx HDS 230 digital data media shredder (with discharge conveyor belt)

Secure, data protection compliant and economical. This digital data media shredder shreds digital data carriers into little particles and makes data recreation virtually impossible.

- Discharge conveyor belt for transporting material on the right or left.
- User safety due to emergency off switch.
- Time-saving direct input of CDs/loyalty cards.
- The control cabinet is easily accessible from the front of the machine.

Order number	Cutting size in mm	Device type	Cutting capacity items/hour			Security level	Shredder material	Weight in kg
			Hard drives 3,5" (1 Hard drive per pass)	CDs/ DVDs	Magnetic tapes	ISO/IEC 21964 (DIN 66399)		

HSM StoreEx HDS 230 (with discharge conveyor belt)

1778 124F	20 x 40-50	single-stage	up to 360	up to 7500	up to 500	H-4 / O-1 / T-2 / E-2		860
1777 124F	11.5 x 26	dual-stage	up to 280	up to 6000	up to 420	H-5 / O-2 / T-3 / E-2		1225

Dimensions (W x D x H): 2850 x 870 x 1713 mm

Dimensions of feed-in opening (W x D x H): 165 x 300 x 60 mm



Accessories

Order number	Type	For model
2413 124	HSM DE 4-240 Dust extractor	HDS 230
2492 111	Hand scanner	HDS 150, HDS 230
2493 111	Special camera	HDS 150, HDS 230
2494 111	Truck mounting kit	HDS 230
2430 111	Material feed via conveyor belt	HDS 230

Vertical
baling presses

Horizontal
baling presses

PET systems

Bulk shredding

Channel baling presses

Digital data media
shredders

Packaging machines

Accessories
Dust Extractors

Packaging machines

The HSM ProfiPack packaging machines are a brilliant solution for all shipping and storage areas. They perforate used cardboard or bolster it up and make universally usable packaging

material which is as good as new. This saves costs and, at the same time, is a sensible and practical contribution to environmental protection.



HSM ProfiPack packaging machines

- Cutting rollers made of hardened solid steel.
- Infinitely adjustable working width with scale for cushioning material made to measure.
- Adjustable cushioning volume of the packaging material.
- Intuitive operation with LED indicators on a robust keypad.



0.7 kW



415 mm



~1N



HSM ProfiPack C400 packaging machine

With this packaging machine, you can process cardboard into a padding mat or padded filling material in one working step. As a compact tabletop device, it can be used as a mobile device with total flexibility.

- Powerful drive allows continuous operation.
- Recessed handle for easy lifting of the device.
- Non-slip stand of the packaging machine.

Order number	Intake height in mm	Cutting capacity in layers	Cutting speed in mm/s	Throughput in kg/h	Weight in kg
HSM ProfiPack C400					
1528 134	10	1	135	up to 50	47
Dimensions (W x D x H): 610 x 395 x 375 mm					



2.0 kW / 425 mm ~1N
3.8 kW ~3N



HSM ProfiPack P425 packaging machine

This high-performance packaging machine is used to process a number of layers of cardboard into a padding mat or padded filling material. The professional device is mobile on steering rollers and can be used with total flexibility.

- Powerful, efficient drive concept allows continuous operation.
- Particularly sustainable operation due to the high efficiency.
- User safety through emergency off switch.
- Fully flexible feed-in speed adjustment (model with single-phase power plug).
- Mobile on castors, with parking brake.

Order number	Intake height in mm	Cutting capacity in layers	Cutting speed in mm/s	Throughput in kg/h	Weight in kg
HSM ProfiPack P425 (alternating current 1 x 230 V / 50 Hz)					
1531 154	20	up to 3	up to 10,2 (170)	up to 80 (1.5)	160
HSM ProfiPack P425 (three-phase current 3 x 400 V / 50 Hz)					
1533 154	20	up to 3	12 (200)	up to 120 (2.3)	181
Dimensions (W x D x H): 770 x 570 x 1040 mm					



2.0 kW / 425 mm ~1N
3.8 kW ~3N



HSM ProfiPack P425 packaging machine, incl. adapter set for dust extractor

This high-performance packaging machine is used to process a number of layers of cardboard into a padding mat or padded filling material. The professional device is mobile on steering rollers and can be used with total flexibility.

- Powerful, efficient drive concept allows continuous operation.
- Particularly sustainable operation due to the high efficiency.
- Fully flexible feed-in speed adjustment (model with single-phase power plug).
- User safety through emergency off switch.
- Mobile on castors, with parking brake.
- Connection for dust suction.
- Dust extractor for dust-free working environment (optional).

Order number	Intake height in mm	Cutting capacity in layers	Cutting speed in mm/s	Throughput in kg/h	Weight in kg
HSM ProfiPack P425 (alternating current 1 x 230 V / 50 Hz)					
1531 054	20	up to 3	up to 10,2 (170)	up to 80 (1.5)	165
HSM ProfiPack P425 (three-phase current 3 x 400 V / 50 Hz)					
1533 054	20	up to 3	12 (200)	up to 120 (2.3)	186
Dimensions (W x D x H): 770 x 570 x 1040 mm					
Compressed air required: 1/4"					



Accessory

Order number	Type	For model
2412 111	HSM DE 1-8 Dust extractor	P425 incl. adapter set for dust extractor

Vertical
baling presses

Horizontal
baling presses

PET systems

Bulk shredding

Channel baling presses

Digital data media
shredders

Packaging machines

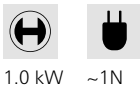
Accessories
Dust Extractors

Accessories: Dust extractors



Dust extractors HSM DE-series

- High quality materials and "Made in Germany" quality for safety and durability.
- Low operating costs due to cleanable long life cartridge filters.
- Easy disposal of dust using the bin in the dust collection drawer.



1.0 kW ~1N



HSM DE 1-8 dust extractor

The compact and powerful dust extractor in dust classification M is the perfect addition for clean operations with the HSM ProfiPack P425 packaging machine. Cardboard and dust particles are extracted reliably.

- Compact and space-saving design.
- Quiet operation minimises noise development in the workplace.
- Meets the requirements of dust classification M.
- Dust extractor with single-phase power connection.
- Pulse-jet filter cleaning nozzle for easy cleaning of the long life filter cartridges.
- Handle enables mobile use.

Order number	Dust classification	Max. negative pressure in Pa	Max. air flow volume in m³/h	Weight in kg
HSM DE 1-8				
	M	19 000	200	15
2412 111	suitable for connection to HSM ProfiPack P425 incl. adapter set for dust extractor			
Dimensions (W x D x H): 390 x 210 x 500 mm				



HSM DE 4-100 dust extractor

The powerful and energy efficient dust extractor in dust classification M ensures an optimal extraction due to the high air flow volume, thereby reducing dust emissions.

- Cabinet design with small footprint.
- Quiet operation minimises noise development in the workplace.
- Filter cleaning is carried out fully automatically.
- Meets the requirements of dust classification M.
- Filter protection due to the pre-separation of coarse dust particles by the impact separator.
- Practical automatic start/stop.
- Mobile on castors, with parking brake.

Order number	Dust classification	Max. negative pressure in Pa	Max. air flow volume in m³/h	Weight in kg
HSM DE 4-100				
	M	2600	2000	230
2410 114	suitable for connection to HSM Powerline FA 400.2, SP 4040 V			
2411 114	suitable for connection to HSM Powerline FA 500.3, SP 5080 / SP 5088			
Dimensions (W x D x H): 1460 x 935 x 1440 mm				
Compressed air required: 1/4 "/ 4-6 bar, compressed air requirement at 4 bar with valve opening time 0.12 sec: 19 l / pulse				



HSM DE 4-240 dust extractor

The powerful and energy efficient dust extractor in dust classification H ensures optimal extraction due to the high air flow volume, thereby significantly reducing the emission of substances which are a health hazard.

- Cabinet design with small footprint.
- Quiet operation minimises noise development in the workplace.
- Filter cleaning is carried out fully automatically.
- Meets the requirements of dust classification H.
- Filter protection due to the pre-separation of coarse dust particles by the impact separator.
- Practical automatic start/stop.
- Mobile on castors, with parking brake.

Order number	Dust classification	Max. negative pressure in Pa	Max. air flow volume in m³/h	Weight in kg
HSM DE 4-240				
	H	2600	2000	230
2413124	suitable for connection to HSM StoreEx 230			
Dimensions (W x D x H): 1460 x 935 x 1440 mm				
Compressed air required: 1/4 "/ 4-6 bar, compressed air requirement at 4 bar with valve opening time 0.12 sec: 19 l / pulse				



Consumable materials

Order number	Type	For Model	Dimensions W x D x H in mm
2410 995 200	Cardboard box for dust collection drawer (PU 1 pc.)	DE 4-100, DE 4-240	395 x 200 x 600

HSM offers a tremendous range of document shredders

Do you need a compact document shredder for use at home, a central machine for an open-plan office, a complete disposal station for large quantities of documents or a shredder for your digital data media?

In the HSM product ranges SECURIO, Pure, shredstar, Powerline and StoreEx you will find the machine to match your requirement. In every price class, at every security level, for every performance requirement and handling every type of data media.

Industry / Authorities / Companies

SMEs

Private users

Degree of professionalism

Amount of data to be destroyed



HSM Powerline / HSM StoreEx

Heavy-duty document shredders, shredder baler combinations or data media shredders for commercial operators.



HSM SECURIO

The premium shredder line for all users with the highest standards.



HSM Pure

The document shredders for SMEs, traders, the self-employed and contractors.



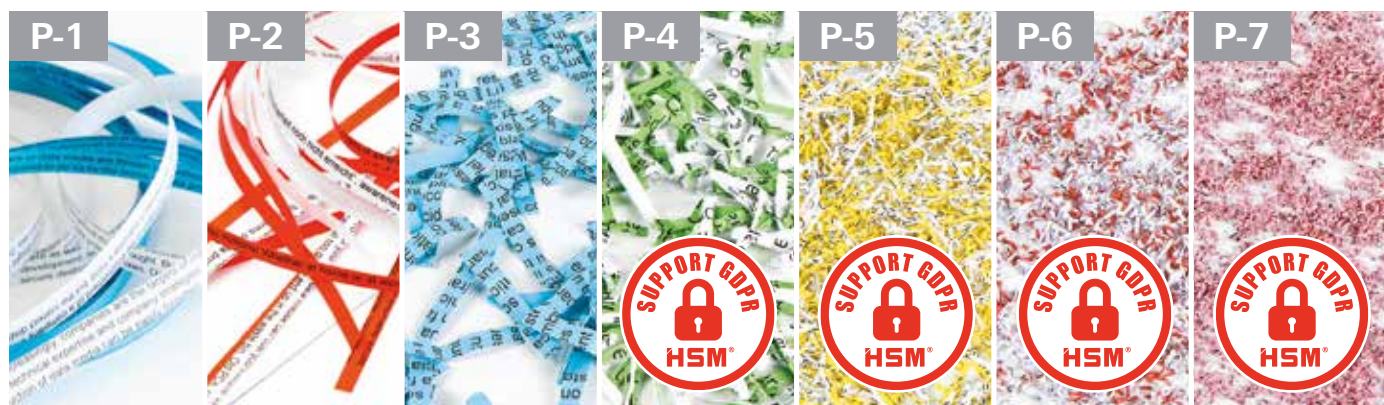
HSM shredstar

Stylish – good value – secure. Document shredders for the workplace or the home.

The perfect solution for every requirement

Confidential documents do not belong in the waste bin but in an HSM document shredder. And remember: the more confidential the data is, the higher the security level needs to be. The particle-cut document shredders from DIN/ISO-security level P-4 onwards are GDPR compliant and offer a

sufficiently high data protection level for most private and Commercial users. If you have particularly confidential and secret data with a particularly high protection requirement, we recommend you destroy the data using a machine in security level P-5 to P-7.



Photos of the different particle sizes for the data medium paper.

Notes on the technical details

Dimensions	External dimensions of the machine when set up for operation.
Intake width	Maximum effective width of the intake opening.
Bale weight	The bale weight varies depending on the type, humidity and condition of the compressed material and on bale length / height.
Bale size	The height/length of the bales varies depending on the expansion force of the compressed material. The dimensions of the bales specified here correspond to the dimensions in the pressing chamber.
Volume throughput	The maximum volume that can be theoretically pressed in one hour.
Loading height	The distance from the floor to the bottom edge of the loading aperture.
Loading aperture	Size of the opening through which material can be loaded.
Working width	Maximum effective width of the feed opening.
Intake height	Height of the intake opening.
Barrel type	Pressing rolled hoop or light metal barrels.
Barrel size	The maximum size of barrel which can be pressed.
Weight	Net weight of machine without packaging, loaded material, feeding system or options.
Motor	Rated power of driving motor. Shredder baler combinations and packaging machines: power consumption of the document shredder motor at maximum cutting capacity (see above). Baling presses: power consumption of the motor in normal operation.
Pressing power	Cylinder piston surface multiplied by the maximum hydraulic pressure (theoretical value).
Cutting type	The strips or particles resulting from shredding the material.
Cutting speed	This is calculated on the basis of the external diameter and speed of the cutting rollers in idle operation.
Cutting size	Dimension of the strips or particles of the shredded material (depending on the paper quality).
Cutting capacity	The maximum number of sheets (DIN A4, 80 g/m ²), fed lengthways, which can be cut in one cycle. The performance data is determined when the motor is cold and the cutting device is freshly oiled. A weaker mains voltage or a different mains frequency to the one specified could result in less sheet capacity and increased noise during operation. The sheet capacity can vary depending on the structure and properties of the paper and on the way it is fed in. The performance data is calculated using 80 g/m ² . Packaging machines: the number of layers of cardboard which can be cut in one cycle.
Security levels	In accordance with ISO/IEC 21964 (DIN 66399).
Voltage/frequency	Alternating current / three-phase current power supply.
Cycle time in idle operation (theor.)	The time it takes for the press ram to move forward/down without material and return idling to the home position. The pressing time does not depend on material.
Strapping	Information concerning the type and number of times the bales are strapped.



www.tuev-sued.de/ps-zert

Symbols key

Technical features



Motor



Intake width/
working width



Container/collection
volume



~1N = Single-phase power
plug with neutral conductor



~3N = Three-phase power
plug with neutral conductor



~3(N) = Three-phase power
plug without neutral conductor



Staples and
paper clips



Credit and
store cards



USB sticks



Hard drives



CDs/DVDs



Discs



Folders



Magnetic tapes

Materials that can be shredded besides paper

HSM – the company

Shredding and 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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All specifications are listed without guarantee. Technical and design modifications reserved.
Data on bale weights apply to a maximum possible weight depending on the material.
For latest product specifications visit www.hsm.eu.

01/2022

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