



HSM PET Waste Disposal Solutions

Draining – Perforation – Crushing – Compressing – Briquetting

Our consumer habits require new solutions.

500 billion PET bottles are produced annually worldwide. For the production of 1 kg PET bottles 1.9 kg of oil is required. This piece of information alone shows that it is vital to recycle used PET bottles. More than 90% of all PET bottles are non-returnable bottles. Since PET can be recycled 100%, it is an important link in the material cycle, particularly in the production of fibres for textile production, foils, packing straps and even furniture.

HSM has been dealing with this challenge for many years now and, using its extensive know-how in the environmental sector, has been developing tailor-made solutions for effective PET recycling. A world without bottles made of polyethylene-terephthalate, PET for short, is no longer imaginable. New solutions for the disposal of this material are therefore necessary, since both social and political opinion expects the bottles to be fully recycled.

HSM has solutions to cover all aspects of PET recycling. Our experience over many years as pioneers in PET compression, combined with the HSM "Made in Germany" quality, means that we are your partner for profitable PET recycling.

Our extensive product portfolio includes:

- Machines for draining PET containers
- PET perforators
- PET crusher-press combinations
- PET baling presses and briquetting presses, developed specially for the compression of PET

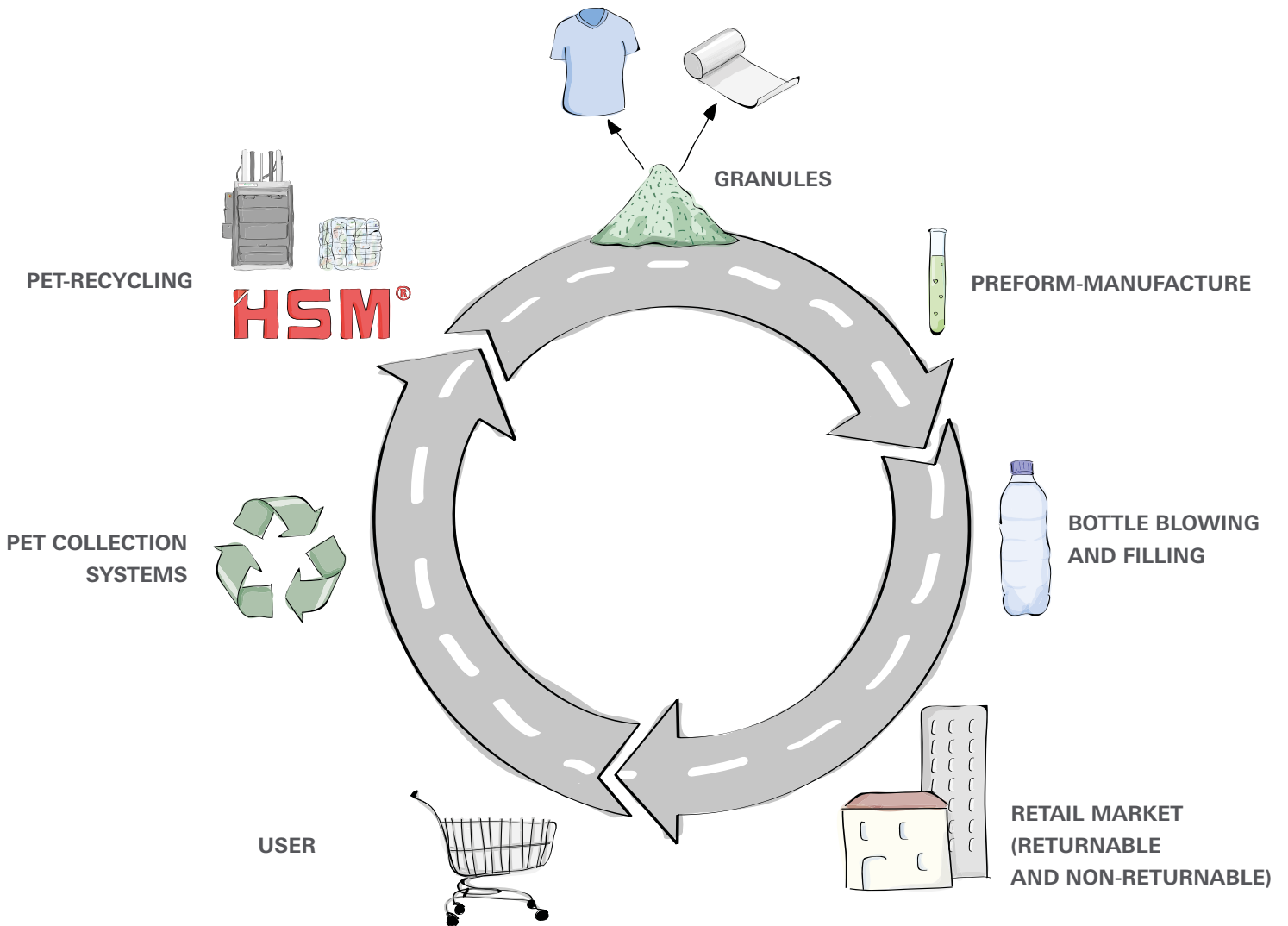


HSM quality "Made in Germany"

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

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

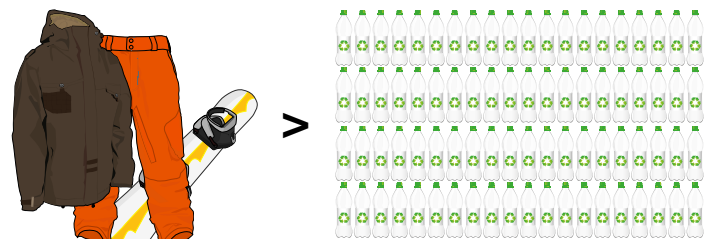
You can profit from the value chain – with HSM PET Disposal Solutions



Recycled PET – a raw material with multiple uses



1 trekking rucksack > 22 PET bottles



1 snowboard outfit > 80 PET bottles



Draining

HSM PET FluidEx 600

The HSM PET FluidEx 600 empties quickly and reliably those full PET bottles, carton based packaging containers and cans which have been filled or labelled incorrectly or where the sell-by date has been exceeded.

The containers thrown in via the loading funnel are pulled in by the 4-roller mechanism and almost completely emptied. Small pieces of plastic and labels are removed from the liquid using a filter system and the liquid is then discharged using a dedicated system. The hinged loading funnel means that the machine can be easily cleaned. A high performance, low space requirement and the possibility to integrate the machine into existing recycling processes are the decisive advantages of the HSM PET FluidEx 600.

- Perforation of full PET bottles, carton based packaging containers and cans
- Containers emptied by up to 98 %
- Optimum removal of any remaining liquids using the 4 shaft technology
- Low space requirement
- Both manual and automatic filling possible
- Cutting unit made of specially hardened and ground steel
- Durable and robust – for a long life-cycle
- Intake shafts ensure that the PET bottles are fed reliably into the cutting unit
- Specific discharge system for liquids via hose or pump
- Easy to clean due to inspection flap
- Ideal as compliment to the HSM Baling presses



Emptying and compression of the material in one step



Containers emptied by up to 98 %

Model	HSM PET FluidEx 600
Throughput per hour PET bottles (1 litre) 10000	10000
Working width in mm	600
Loading height in mm	approx. 1270
Motor in kW	2 x 3,0 perforator / 4,0 screw
Voltage / Frequency	3 x 400 V / 50 Hz
Machine dimensions (W x L x H) in mm	1215 x 3304 x 1775
Machine weight in kg	approx. 1230

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



Perforation

HSM PET Perforator PF 600-4 und PF 1200-4

HSM perforators effectively perforate PET-bottles before compaction thus creating an optimum compact bale. The perforators PF 600-4 and PF 1200-4 have very high throughput capacities and excellent price/performance ratios complete the HSM range of disposal systems.

- Perforation of empty and/or full plastic bottles (max. approx. 2.5 l) is possible, with or without caps
- Perforation of the plastic bottles achieves optimum compression for reduced transport and storage costs
- Sturdy cutting unit - will handle the occasional glass bottle
- Ideal as an option for the HSM VK- / AK channel baling presses or alternatively as an independent system
- Perforator may be mounted in a loading chute, moved manually or automatically / hydraulically to allow compression of alternative materials which do not need perforation
- Applicable for all systems using underframe and hopper with conveyor-belt, also possible for retrofitting to existing systems



The HSM perforator is ideal for multipurpose applications ...



... and several methods of loading.



High volume plastic bottles transformed...



... into compact easily handled bales.

Model	HSM PET-Perforator PF 600-4	HSM PET-Perforator PF 1200-4
Throughput per hour PET bottles (1 litre)	37500	75000
Working width in mm	600	1200
Throughput capacity in m ³ / h	50 – 60	100 – 120
Motor in kW	2 x 3,0	2 x 4,0
Voltage / Frequency	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz
Machine dimensions (W x L x H) in mm	990 x 1200 x 500	1560 x 1200 x 500
Machine weight in kg	approx. 670	approx. 950

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



Crushing

HSM PET Crusher 1049 SA

This HSM solution reduces the space requirement for returned containers to approx. 25 to 30 percent of the original volume, thus also reducing the time required for disposal.

The special roller system perforates and crushes the containers. The sidewalls mesh into each other, making the reduction in volume permanent. Crushing has an additional advantage: deposit plastic bottles and cans are reliably invalidated.



Crusher rollers made of specially hardened steel



PET bottle original and crushed

- An efficient system for the volume reduction of PET bottles and cans down to 1/3 or 1/4 of the original
- Crusher rollers made of specially hardened and ground steel, completely resistant to wear and very strong, for a long service life
- A scraper system removes the compressed plastic bottles and cans from the crusher rollers to prevent blockages and downtime while clearing
- A dosing shaft with integrated blades ensures that the plastic bottles and cans are fed reliably
- Manual control of the machine via easy-to-use keypad with forward, reverse and stop functions
- LED display provides information on the current status of the machine (ready, overload, door open, container full)
- Automatic switch off after 2 minutes to save energy
- The cutting head can also be used in combination with a deposit return machine. Further information on request

Model	HSM PET-Crusher 1049 SA
Throughput of PET bottles / cans per cycle	50 – 70
Throughput per hour PET bottles (1 litre)	up to 2400
Volume reduction at a ratio of	1:3 to 1:4
Working width in mm	490
Loading height in mm	1250
Bottle diameter in mm	50 – 120
Motor in kW	1,5 / 3,0
Voltage / Frequency	230 V / 3 x 400 V / 50 Hz
Machine dimensions (W x L x H) in mm	792 x 1585 x 2040
Machine weight in kg	225 / 288

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



Crushing and compressing

HSM PET CP 4988

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

A dosing shaft ensures that the bottles are drawn in securely and achieves a throughput capacity of up to 4000 (1 litre) bottles every hour. The drainage system discharges all residual fluid before pressing. With a pressing power of 11 tonnes, the downstream baling press compresses the crushed bottles into raw material bales with a weight of up to 100 kg.



Large loading hopper



The drainage system controls the discharge of residual fluid

- Efficient PET recycling system to reduce the volume of empty PET bottles by up to 90 % and produce compact raw material bales
- Low space requirement
- Manual and automatic filling possible
- Crusher rollers made of specially hardened and ground steel, impervious and sturdy – for a long service life
- Scraper system removes the compressed plastic bottles reliably from the crusher rollers
- Dosing shaft with several paddles ensures that the PET bottles are reliably fed to the rollers
- Automatic photoelectric control of the pressing process
- Manual, 3-fold strapping with continuous polyester strap
- Display to indicate “bale ready”

Model	HSM PET CP 4988
Throughput per hour PET bottles (1 litre)	up to 4000
Working width in mm	490
Loading height in mm	1511
Pressing power in kN	110
Bale weight in kg (for 1200 mm in length)	up to 100
Bale size (W x H x L) in mm	500 x 500 x max. 1200
Voltage / Frequency	3 x 400 V / 50 Hz
Motor in kW	2,2 Crusher / 4,0 Presws
Machine dimensions (W x L x H) in mm	950 x 3691 x 1800
Machine weight in kg	1150

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Compressing

HSM V-Press 860 P

Due to its size, cost efficiency and capacity, this vertical baling 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%. The vertical baling press HSM V-Press 860 P is specially designed for the compression of opened or perforated PET/UBC bottles (other materials upon request).

- Secure filling flap and bale removal door
- Robust, user-friendly bale ejection device
- Compact and sturdy design, small footprint, large loading aperture
- Modern microprocessor controller with membrane keypad and text display
- TCS (Torsion Control System) for monitoring press ram movement
- Double quantity of retaining claws optimize the compression of the pressing material and reduce the number of loading actions
- Reinforced press chamber and door lock
- Robust mechanical bale ejector chain
- Configuration: 860 P - PET/UBC door with hydraulic door lock



PET/UBC door



Reinforced door lock

Model	HSM V-Press 860 P
Pressing power in kN	434
Motor in kW	4,0
Voltage / Frequency	3 x 400 V / 50 Hz
Loading aperture (W x H) in mm	1195 x 650
Bale weight in kg with 1200 mm bale length	approx. 230
Max. bale size (W x H x L) in mm	1200 x 780 x max. 1200
Hourly output in bales	1-2
Cycle time in idle operation (theor.) in sec.	25
Press chamber size W x D x H in mm	1195 x 780 x 1640
Machine dimensions (W x L x H) in mm	1797 x 1273 x 2990
Machine weight in kg	2220
Strapping	4-fold with wire

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



Compressing

HSM Fully Automatic Channel Baling Presses – individual system solutions, custom disposal systems

HSM does not just offer hardware alone, but provides individual system solutions as well. When it comes to demanding systems, you can benefit from our extensive know-how and broad experience.

Experienced HSM specialists assist you right from the start on site and provide ongoing support and service. With the wide range of options and accessories, our disposal solution can be fully integrated into your existing operation and processes. The individualised design makes the entire system efficient.

Get in touch with us and HSM will find the right solution for your individual requirements.

- Application areas: logistics, central storages, paper industry, printing plants, distribution centres, industry, disposal companies
- Suitable for the following material: cardboard, paper, foils (PPK), DSD, PET/UBC, composite materials and more
- Feeding: mainly continuous feeding via several systems (e.g. conveyor-belt, forklift, suction system etc.)
- Fully automatic compression and bale strapping
- Up to 1,500 kN pressing power
- Bale weights up to 1,250 kg
- All kinds of feeding possible
- Available as an option with frequency-regulated drive – saves 40 % of the energy used by standard drives

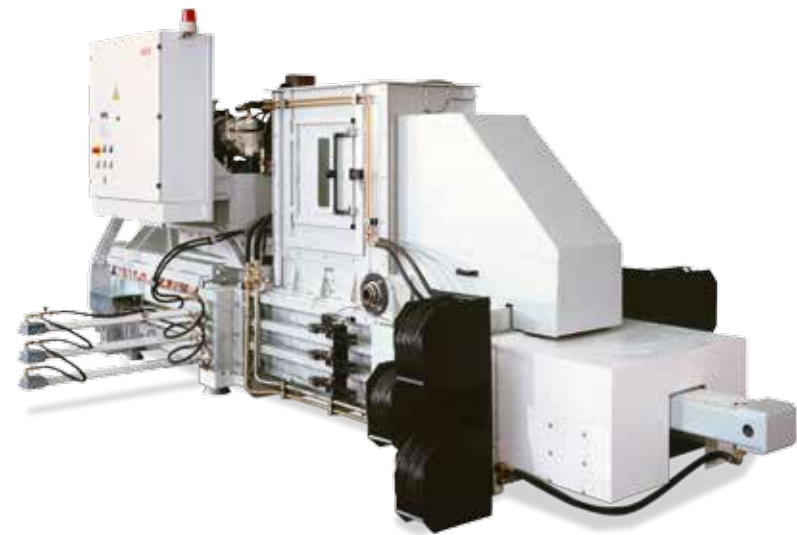


VK 8818 R · Euro Pool System International B.V. · Budapest/Hungary

Our references



On request, we would be glad to provide you with reference addresses for your applications.



Compressing

HSM VK 1206

The bestseller in the small to medium HSM range – tried and tested for years, reliable and with multiple uses. Particularly suitable for the compressing of cardboard, foils and PET bottles / UBC.

- Volume throughput up to 1.8 t/h
- Suitable for continuous loading
- Operating side can be selected
- Control of compression cycle via light barrier
- Compact bale dimensions
- Low space requirement
- Suitable for applications with a throughput up to approx. 92 m³/ hour
- Optimal for connecting to air feeding systems (fast cycle times) – 600 mm loading aperture
- Particularly suitable for cardboard, foils and PET bottles / UBC

HSM VK 2306

The HSM VK 2306 is comparable with the VK 1206, but features a higher pressing power. It produces highly compressed PET bales which are marketable immediately – no additional compression required.

- Volume throughput up to 5.6 t/h
- Suitable for continuous loading
- Operating side can be selected
- Control of compression cycle via light barrier
- Compact bale dimensions
- Low space requirement
- Suitable for applications with a throughput up to approx. 113 m³/ hour
- High bale density, higher bale weights compared to HSM VK 1206
- Particularly suitable for cardboard, foils and PET bottles/UBC
- Available as an option with manual strapping

Model	HSM VK 1206	HSM VK 2306
Pressing power in kN	160	240
Main driving power in kW	9,2	9,2 / 15
Specific Pressing power in N/cm ³	45,7	68,6
Cycle time in idle operation (theor.) in sec.	8,2	12,3 / 6,7
Volume throughput in idle operation (theor.) in m ³ /h	92	62 / 113
Max. bale size (W x H x L) in mm	700 x 500 x var.	700 x 500 x var.
Loading aperture (W x H) in mm	620 x 600	620 x 600
Bale weight in kg depending on material (with 1200 mm bale length)	up to 130	up to 160
Machine dimensions (W x L x H) in mm	4750 x 2350 x 1820	5260 x 2600 x 2050
Machine weight in kg	3,5	3,8
Strapping fully automatic	3-fold with wire	3-fold with wire

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



Compressing

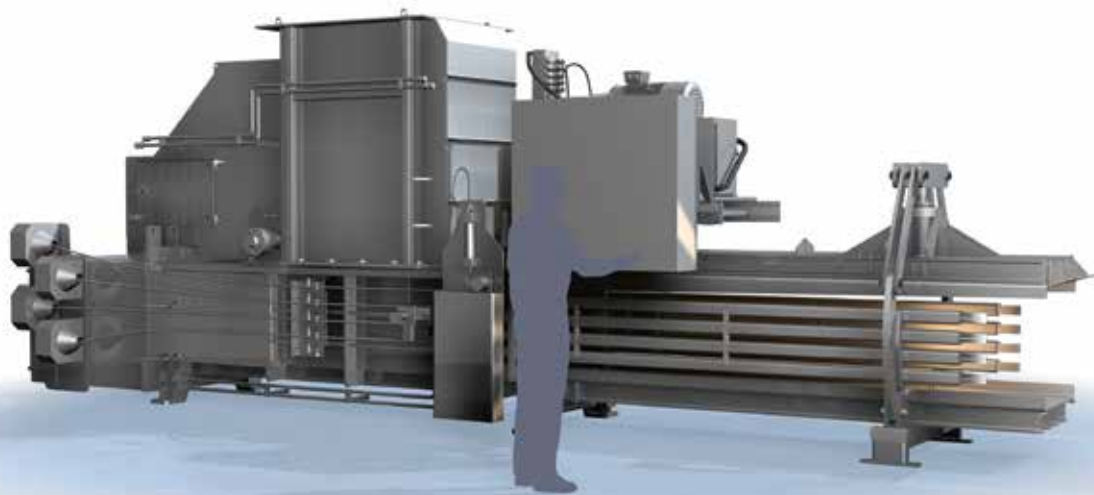
HSM VK 4812 P

HSM channel baling press for professional disposal management or larger industrial applications – with high throughput rates specialised for compressing PET bottles.

- Suitable for applications with a throughput up to approx. 204 m³/ hour
- Particularly suitable for compression of cardboard, foils, DSD goods and much more on request
- Suitable for continuous loading
- 4-fold strengthened strapping for the optimum bale result
- Optimised bale dimensions and bale weights for efficient truck loading
- Large loading aperture, quick mode of operation
- Control of compression cycle via light barrier
- High compression
- Press chamber with highly wear-resistant steel „XAR“ for low wear and tear
- Strengthened retention system prevents re-expansion
- Rear loading possible

Model	HSM VK 4812 P
Pressing power in kN	480
Main driving power in kW	15 / 22
Specific Presingpower in N/cm ³	58,2
Cycle time in idle operation (theor.) in sec.	24,5/18,2
Volume throughput in idle operation (theor.) in m ³ /h	151/204
Max. bale size (W x H x L) in mm	1100 x 750 x var.
Loading height in mm	1020 x 1250
Bale weight in kg depending on material (with 1200 mm bale length)	up to 300
Machine dimensions (W x L x H) in mm	6820 x 2570 x 2800
Machine weight in kg	ca. 10,0
Strapping fully automatic	4-fold with wire

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



Compressing

HSM VK 6015

For industrial applications with special requirements in pressing PET

- Suitable for applications with a throughput up to approx. 291 m³ / hour
- Very high specific pressure – for high compaction
- High shearing force
- 4-fold strapping for optimised bale result
- Also suitable for materials with bulk weights higher than 60 kg / m³
- Large loading aperture, quick mode of operation
- Control of compression cycle via light barriers
- Approved system solution and technology
- Optimised bale dimensions and bale weights for efficient truck loading
- High compression and bale weights
- Available as an option with frequency-regulated drive – saves 40% of the energy used by standard drives
- For continuous operation with all standard conveyor and feeding facilities
- Particularly suitable for cardboard, paper and foils and also for compressing DSD goods

Model	HSM VK 6015
Pressing power in kN	720
Main driving power in kW	30 / 45 / 55 (with FU 45) / 75 (with FU 55)
Specific Pressingpower in N/cm ³	128,0
Cycle time in idle operation (theor.) in sec.	23,7 / 16,5 / 13,2 / 10,4
Volume throughput in idle operation (theor.) in m ³ /h	128 / 184 / 231 / 291
Max. bale size (W x H x L) in mm	750 x 750 x var.
Loading aperture (W x H) in mm	620 x 1500
Bale weight in kg depending on material (with 1200 m bale length)	up to 270 kg
Machine dimensions (W x L x H) in mm	10500 x 3770 x 3260
Machine weight in kg	20,0
Strapping fully automatic	4-fold

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



Briquetting

HSM BRP 4810

The HSM BRP 4810 briquetting press compacts huge amounts of PET bottles and beverage cans with ease and fully automatically.

- 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
- Optimal pressing plate guidance
- Robust construction made of wear-free steel



Operation in 1st stage



Operation in 2nd stage



Operation in 3rd stage



Briquettes

Model	HSM BRP 4810
Pressing power in kN	477
Volume throughput in idle operation (theor.) in m ³ /h	55
Loading aperture W x L in mm	1600 x 1100
Cycle time in idle operation (theor.) in sec.	28,4
Briquette size W x H x L in mm	250 x 250 x var.
Dimensions of machine W x D x H in mm	2860 x 4260 x 2380
Machine weight in kg	approx. 9100

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

Technical details at a glance:

Model	Throughput per hour PET bottles (1 litre)	Working width in mm	Loading height in mm	Motor in kW	Voltage / Frequency	Machine dimensions (W x L x H) in mm	Machine weight in kg
HSM FluidEx 600	10000	600	1270	2 x 3,0 / 1 x 4,0	3 x 400 V / 50 Hz	1215 x 3304 x 1775	approx. 1230
HSM PET-Perforator PF 600-4	37500	600	-	2 x 3,0	3 x 400 V / 50 Hz	990 x 1200 x 500	approx. 670
HSM PET-Perforator PF 1200-4	75000	1200	-	2 x 4,0	3 x 400 V / 50 Hz	1560 x 1200 x 500	approx. 950
HSM PET-Crusher 1049 SA	up to 2400	490	1250	1,5 / 3,0	230 V / 3 x 400 V / 50 Hz	792 x 1585 x 2040	approx. 225 / 288

Model	Throughput per hour PET bottles (1 litre)	Working width in mm	Loading height in mm	Loading aperture (W x H) in mm	Pressing power in kN	Bale weight in kg (for 1200 mm in length)	Bale size (W x H x L) in mm
HSM PET CP 4988	up to 4000 l l Fl. / h	490	1511	-	110	up to 100	500 x 500 x max. 1200
HSM V-Press 860 P	1-2 Ballen / h	-	-	1195 x 650	434	approx. 230	1200 x 780 x max. 1200
HSM BRP 4810	55 m ³ /h	-	-	1600 x 1100	477	-	250 x 250 x var.mm

Model	Main driving power in kW	Pressing power in kN	Specific Pressing power in N/cm ³	Cycle time in idle operation (theor.) in sec	Volume throughput in idle operation (theor.) in m ³ /h	Volume throughput at 20 kg/m ³ in t/h	Volume throughput at 50 kg/m ³ in t/h	Bale weight in kg with 1200 mm bale length
HSM VK 1206	9,2	160	45,7	8,2	92	1,84	-	up to 130
HSM VK 2306	9,2	240	68,6	12,3	62	1,23	3,08	up to 160
	15	240	68,6	6,7	113	2,25	5,63	up to 160
HSM VK 4812 P	15	480	58,2	24,5	151	3,03	7,57	up to 300
	22	480	58,2	18,2	204	4,08	10,21	up to 300
	30	480	58,2	13,8	268	5,36	13,41	up to 300
HSM VK 5512	22	560	67,9	21,7	171	3,42	8,55	up to 320
	30	560	67,9	15,7	236	4,72	11,81	up to 320
	45	560	67,9	11	338	6,77	16,92	up to 320
	55 (with FU 45)	560	67,9	8,7	425	8,51	21,27	up to 320
	75 (with FU 55)	560	67,9	6,9	535	10,7	26,76	up to 320
HSM VK 6015	30	720	128,0	23,7	128	2,57	6,41	up to 270
	45	720	128,0	16,5	184	3,68	9,19	up to 270
	55 (with FU 45)	720	128,0	13,2	231	4,62	11,55	up to 270
	75 (with FU 55)	720	128,0	10,4	291	5,81	14,53	up to 270
HSM VK 8818	90 (with FU 75)	880	106,7	12,8	417	8,34	20,85	up to 400
	90+45 (with FU 2x45)	880	106,7	8,3	643	12,86	32,14	up to 400
	90 (with FU 75)	1000	121,2	12,8	417	8,34	20,85	up to 400
	90+45 (with FU 2x45)	1000	121,2	8,3	643	12,86	32,14	up to 400
HSM VK 12018	90 (with FU 75)	1200	99,2	14,5	540	10,81	27,02	up to 600
	FU 45 + 45	1200	99,2	10,0	786	15,73	39,32	up to 600
	90 + 55 (with FU 2x55)	1200	99,2	8,8	887	17,74	44,36	up to 600
HSM VK 15020	55 + 55 (with FU 2x45)	1500	124,0	15,6	557	11,14	27,86	up to 650
	75 + 75 (with FU 2x55)	1500	124,0	11,4	767	15,34	38,35	up to 650
	FU 75 + 75	1500	124,0	10,0	873	17,45	43,64	up to 650

The decisive plus on top of all the advantages: the 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 in all HSM service centres in Germany and all over the world.



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



Motor in kW	Voltage / Frequency	Machine dimensions (W x L x H) in mm	Machine weight in kg	Strapping
2,2 / 4,0	3 x 400 V / 50 Hz	950 x 3691 x 1800	1150	3-fold with polyester type
4	3 x 400 V / 50 Hz	1797 x 1273 x 2985	2220	4-fold with wire
30	3 x 400 V / 50 Hz	2860 x 2380 x 4260	9100	-

Bale size W x H x L in mm	Bale/channel crossection W x H in mm	Strapping x-fold	Loading aperture W x L in mm	Loading volume in m ³	Tank Capacity in l	Weight in t	Model
700 x 500 x var.	700 x 500	3	620 x 600	0,21	130	3,5	HSM VK 1206
700 x 500 x var.	700 x 500	3	620 x 600	0,21	130	3,8	HSM VK 2306
700 x 500 x var.	700 x 500	3	620 x 600	0,21	300	3,8	
1100 x 750 x var.	1100 x 750	4	1020 x 1250	1,03	300	10,0	HSM VK 4812
1100 x 750 x var.	1100 x 750	4	1020 x 1250	1,03	300	10,0	
1100 x 750x var.	1100 x 750	4	1020 x 1250	1,03	630	10,0	
1100 x 750 x var.	1100 x 750	5	970 x 1250	1,03	300	17,5	HSM VK 5512
1100 x 750 x var.	1100 x 750	5	970 x 1250	1,03	630	17,5	
1100 x 750 x var.	1100 x 750	5	970 x 1250	1,03	1250	17,5	
1100 x 750 x var.	1100 x 750	5	970 x 1250	1,03	1250	17,5	
750 x 750 x var.	750 x 750	4	620 x 1500	0,84	630	20,0	HSM VK 6015
750 x 750 x var.	750 x 750	4	620 x 1500	0,84	630	20,0	
750 x 750 x var.	750 x 750	4	620 x 1500	0,84	1250	20,0	
750 x 750 x var.	750 x 750	4	620 x 1500	0,84	1250	20,0	
1100 x 750 x var.	1100 x 750	5	970 x 1800	1,49	2000	33,0	HSM VK 8818
1100 x 750 x var.	1100 x 750	5	970 x 1800	1,49	2000	33,0	
1100 x 750 x var.	1100 x 750	5	970 x 1800	1,49	2000	33,0	
1100 x 750 x var.	1100 x 750	5	970 x 1800	1,49	2000	33,0	
1100 x 1100 x var.	1100 x 1100	5	970 x 1800	2,18	2000	38,0	HSM VK 12018
1100 x 1100 x var.	1100 x 1100	5	970 x 1800	2,18	2000	38,0	
1100 x 1100 x var.	1100 x 1100	5	970 x 1800	2,18	3000	38,0	
1100 x 1100 x var.	1100 x 1100	5	970 x 2000	2,42	3000	45,0	VK 15020
1100 x 1100 x var.	1100 x 1100	5	970 x 2000	2,42	3000	45,0	
1100 x 1100 x var.	1100 x 1100	5	970 x 2000	2,42	3000	45,0	

Explanations of the technical data:

Throughput:	Max. volume that can be processed in one hour.
Working width:	Maximum effective width of the feed opening.
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.
Loading height:	Height from floor to loading edge.
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.
Transport height:	Height for moving to the installation site (without hand pallet truck).
Machine weight:	Net weight of the machine without packaging, loaded material or options.
Strapping:	Information concerning the number of times the bales are strapped.

HSM – the company

Cutting. Shredding. Compressing.



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