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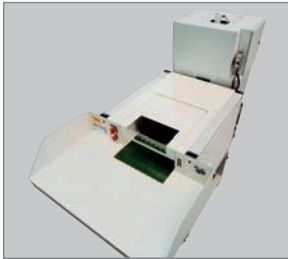
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HSM Shredder Baler Combinations

Product Overview

**HSM**®

We generally ensure one thing: quality right down to the last detail.



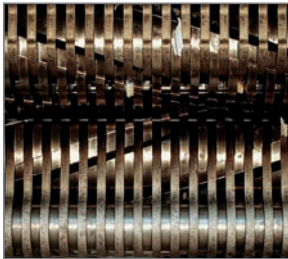
Reliable: the functioning

- Material intake via practical loading table and conveyor belt
- Optimised transfer technology prevents the material from passing the cutting device without being shredded
- Closed, dust-free material transfer from the document shredder directly into the downstream baling press
- Easy and quick handling by means of automatic control
- Shredding and pressing conducted simultaneously



Intelligent: the control

- Integrated controller for both document shredder and baling press
- Document shredder with keypad for continuous operation and reverse as well as automatic reverse in the event of a paper jam
- Modern controller with multi-language display and convenient menu guidance
- Automatic control of the compression process
- Display to indicate „bale ready“



Sturdy: the technology

- Extremely sturdy cutting device with specially hardened, solid steel cutting rollers
- Insensitive to smaller metal parts
- Also shreds chip cards, CDs, disks and other similar material
- Cutting device driven by powerful motor
- Sturdy gear motor with chain drive for maximum throughput capacity
- Torsion-resistant press ram guidance prevents overcharging



Efficient: the result

- Highly compacted shredder material in boxes / plastic bags or as bale
- Highest throughput capacities at low power consumption
- Mobile due to castors



Special features:

- Integrated, manual oiler for cutting unit for all particle cut versions
- Extension of loading table to the right or left available upon request for SP 4040 V model

Combination has great advantages. Together with all detail solutions, each user gets the maximum benefits. Durability, economic efficiency, operator-friendly, high pressing power and highest throughput capacities – these are the typical plus points that each HSM shredder baler combination can be credited for.

HSM SP 4040 V / HSM SP 4940 V

HSM SP 4040 V

A neat machine all round

The HSM SP 4040 V is the starter model in the shredder baler combination sector and the top model in terms of efficiency and space-saving set-up surface!

- Especially compact and space-saving vertical design
- Also shreds computer lists, stacks of documents or daily waste from numerous waste-paper baskets
- Extension of loading table to the right or left upon request



Cutting capacity:	up to 130 sheets per cycle
Pressing power:	44 kN
Hourly output:	up to 8 bales / boxes à 25 - 35 kg

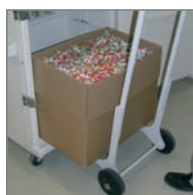


HSM SP 4940 V

High output in a compact space

With even more power than the HSM SP 4040 V, the HSM SP 4940 V has an impressive cutting capacity per cycle.

- Optimum efficiency with HSM technology
- Complete disposal unit with minimum space requirements
- Specially for continuous operation in large departments and archives



Cutting capacity:	up to 320 sheets per cycle
Pressing power:	44 kN
Hourly output:	up to 10 bales / boxes à 25 - 35 kg



- Automatic control of the pressing process by means of border light sensors
- Compression of the shredder material directly in boxes or plastic bags
- No strapping necessary for easy and time-saving handling
- Easy removal from boxes or bags with removal trolley
- Standard equipment: 5 boxes, 5 plastic bags, bag holder, 1 removal trolley

HSM SP 4980 / HSM SP 5080

HSM SP 4980

The compact semi-automatic model

In terms of economic efficiency the HSM SP 4980 is very difficult to beat. It combines power and convenient operation in one compact power-pack like no other device.

- Compact, space-saving design
- Efficient document disposal unit for professional use
- Specially for continuous operation in large departments and archives

Cutting capacity: up to 440 sheets per cycle

Pressing power: 80 kN

Hourly output: up to 9 bales à 60 - 80 kg



HSM SP 5080

The inexpensive alternative in the premium class

The HSM SP 5080 is a compact, high performance unit. It produces very dense bales, cleanly packaged in a plastic bag, ready for transport.

- Folders and their contents, bound computer lists or stacks of paper as thick as telephone directories are processed with ease
- The size of the bales allows two bales to fit on a Euro pallet
- Ideal as central document shredding point

Cutting capacity: up to 650 sheets per cycle

Pressing power: 80 kN

Hourly output: up to 10 bales à 60 - 80 kg



- Automatic photoelectric control of the pressing process
- Shredder material compressed directly in the collecting bag
- No strapping necessary for easy and time-saving handling
- Service flap above the conveyor belt for service and cleaning work
- User-friendly hydraulic counterplate
- Standard equipment: 5 plastic bags

HSM SP 4988 / HSM SP 5088

HSM SP 4988

The semi-automatic professional solution

The HSM SP 4988 is the disposal unit which offers excellent price-/ performance ratio. The powerful shredder and semi-automatic press with strapping form a highly effective team.

- Low-noise, energy-saving technology
- Efficient material shearing system for protruding material at the press ram
- Dust scrapers on the inside of the conveyor belt increase both service life and reliability



Cutting capacity: up to 440 sheets per cycle

Pressing power: 85 kN

Hourly output: up to 7 bales à 70 - 95 kg



HSM SP 5088

Well-equipped for the long run

With its powerful 9.2 kW motor, the HSM SP 5088 combines high power with the advantages of a channel baling press.

- Optimal loading for maximum throughput capacities in continuous operation
- Bulky cardboard packaging and other material which does not have to be shredded can be filled in directly via the large loading aperture
- Top model as central disposal system for administration offices, banks and authorities etc.

Cutting capacity: up to 650 sheets per cycle

Pressing power: 85 kN

Hourly output: up to 9 bales à 70 - 95 kg



- Channel baling press with loading aperture / inspection flap for direct compression of cardboard or packaging material etc.
- Automatic press channel adjustment for constant pressing power
- Variable bale length setting
- Manual, 3-fold strapping with continuous polyester tape
- Equipped as standard with polythene bag attachment, basic equipment: 5 plastic bags

HSM SP 50100

HSM SP 50100

The top model for highest demands

The powerful shredder, which is combined with a fully-automatic baler, ensures maximum throughput capacities. The HSM SP 50100 is the model for highest demands in continuous operation.

- Material infeed optionally via inclined conveyor belt and pre-shredder
- Retaining claws in the press channel and automatic return stroke for perfect bale results
- Professional disposal system for the waste disposal industry with maximum throughput capacity at low power consumption



Cutting capacity: up to 650 sheets per cycle

Pressing power: 110 kN

Hourly output: up to 12 bales à 60 - 120 kg

- Baler with loading aperture / inspection flap for direct compression of cardboard or packaging material etc.
- Efficient material shearing system for protruding material at the press ram
- Automatic press channel adjustment for constant pressing power
- Variable bale length setting
- Fully-automatic 3-fold strapping with patented coiled wire
- Equipped as standard with polythene bag attachment, basic equipment: 5 plastic bags

TECHNICAL DATA


Cutting type Cutting size in mm		Security level DIN 32757-1	Cutting capacity per cycle in sheets, DIN A4, 70 g/m ²	Cutting capacity per cycle in sheets, DIN A4, 80 g/m ²	Throughput capacity in kg/h, DIN A4, 70 g/m ²	Cutting speed in mm/s	Working width in mm	Motor in kW (document shredder / baling press)	Voltage / frequency in V/Hz	Pressing power in kN	Max. bale size in mm (W x H x L)	Bale weight in kg (depending on material)	Hourly output in bales/boxes (depending on material)	Dimensions of the machine in mm (W x D x H)	Machine weight in kg
HSM SP 4040 V															
Strips	5.8	3	130	104	320	210	428	4.0 / 2.2	3 x 400 / 50	44	600 x 500 x 400	25 - 35	6 - 8	1100 x 2030 x 1970	737
Particle	5.8 x 50	3	120	96	320	230	428	4.0 / 2.2	3 x 400 / 50	44	600 x 500 x 400	25 - 35	6 - 8	1100 x 2030 x 1970	737
HSM SP 4940 V															
Strips	5.8	2	160 - 180	120 - 140	400	235	500	6.0 / 2.2	3 x 400 / 50	44	600 x 500 x 400	25 - 35	6 - 10	1160 x 2330 x 1970	1030
Particle	7.5x40-80	2	300 - 320	240 - 260	750	250	500	6.0 / 2.2	3 x 400 / 50	44	600 x 500 x 400	25 - 35	8 - 10	1160 x 2330 x 1970	1030
Particle	4.5x40-70	3	200 - 220	160 - 180	550	250	500	6.0 / 2.2	3 x 400 / 50	44	600 x 500 x 400	25 - 35	6 - 10	1160 x 2330 x 1970	1030
HSM SP 4980															
Strips	10.5	1	230 - 250	180 - 200	500	235	500	6.0 / 4.0	3 x 400 / 50	80	570 x 490 x 800	60 - 80	6 - 7	1160 x 2750 x 1350	1265
Strips	5.8	2	160 - 180	120 - 140	400	235	500	6.0 / 4.0	3 x 400 / 50	80	570 x 490 x 800	60 - 80	4 - 6	1160 x 2750 x 1350	1265
Particle	10.5x40-76	2	420 - 440	330 - 350	600	250	500	6.0 / 4.0	3 x 400 / 50	80	570 x 490 x 800	60 - 80	7 - 9	1160 x 2750 x 1350	1265
Particle	7.5x40-80	2	300 - 320	240 - 260	500	250	500	6.0 / 4.0	3 x 400 / 50	80	570 x 490 x 800	60 - 80	6 - 8	1160 x 2750 x 1350	1265
Particle	4.5x40-70	3	200 - 220	160 - 180	440	250	500	6.0 / 4.0	3 x 400 / 50	80	570 x 490 x 800	60 - 80	6 - 7	1160 x 2750 x 1350	1265
HSM SP 5080															
Particle	10.5x40-76	2	600 - 650	510 - 550	700	210	500	9.2 / 4.0	3 x 400 / 50	80	570 x 490 x 800	60 - 80	8 - 10	1155 x 2650 x 1410	1330
Particle	7.5x40-80	2	500 - 550	425 - 470	600	210	500	9.2 / 4.0	3 x 400 / 50	80	570 x 490 x 800	60 - 80	7 - 9	1155 x 2650 x 1410	1330
Particle	6x40-53	3	400 - 450	340 - 380	500	210	500	9.2 / 4.0	3 x 400 / 50	80	570 x 490 x 800	60 - 80	6 - 8	1155 x 2650 x 1410	1330
HSM SP 4988															
Strips	10.5	1	230 - 250	180 - 200	450	235	500	6.0 / 4.0	3 x 400 / 50	85	500 x 500 x max.950	70 - 95	4 - 5	1280 x 3530 x 1350	1537
Strips	5.8	2	160 - 180	120 - 140	350	235	500	6.0 / 4.0	3 x 400 / 50	85	500 x 500 x max.950	70 - 95	3 - 4	1280 x 3530 x 1350	1537
Particle	10.5x40-76	2	420 - 440	330 - 350	550	250	500	6.0 / 4.0	3 x 400 / 50	85	500 x 500 x max.950	70 - 95	6 - 7	1280 x 3530 x 1350	1537
Particle	7.5x40-80	2	300 - 320	240 - 260	440	250	500	6.0 / 4.0	3 x 400 / 50	85	500 x 500 x max.950	70 - 95	5 - 6	1280 x 3530 x 1350	1537
Particle	4.5x40-70	3	200 - 220	160 - 180	400	250	500	6.0 / 4.0	3 x 400 / 50	85	500 x 500 x max.950	70 - 95	4 - 5	1280 x 3530 x 1350	1537
HSM SP 5088															
Particle	10.5x40-76	2	600 - 650	510 - 550	650	210	500	9.2 / 4.0	3 x 400 / 50	85	500 x 500 x max.950	70 - 95	8 - 9	1240 x 3430 x 1410	1600
Particle	7.5x40-80	2	500 - 550	425 - 470	560	210	500	9.2 / 4.0	3 x 400 / 50	85	500 x 500 x max.950	70 - 95	7 - 8	1240 x 3430 x 1410	1600
Particle	6x40-53	3	400 - 450	340 - 380	480	210	500	9.2 / 4.0	3 x 400 / 50	85	500 x 500 x max.950	70 - 95	6 - 7	1240 x 3430 x 1410	1600
HSM SP 50100															
Particle	10.5x40-76	2	600 - 650	510 - 550	950	210	500	9.2 / 7.5	3 x 400 / 50	110	570 x 490 x max.1200	60 - 120	9 - 12	2240 x 4360 x 1770	2526
Particle	7.5x40-80	2	500 - 550	425 - 470	790	210	500	9.2 / 7.5	3 x 400 / 50	110	570 x 490 x max.1200	60 - 120	8 - 11	2240 x 4360 x 1770	2526
Particle	6x40-53	3	400 - 450	340 - 380	640	210	500	9.2 / 7.5	3 x 400 / 50	110	570 x 490 x max.1200	60 - 120	8 - 9	2240 x 4360 x 1770	2526

Explanations of technical data:

Cutting type	The strips or particles resulting from shredding the material.
Cutting size	Dimension of the strips or particles of the shredded material (depending on the paper quality).
Security levels	In accordance with DIN 32757-1.
Cutting capacity*	The max. number of sheets (DIN A 4, 70g/m ² or 80 g/m ²), fed lengthwise, with cold motor and lubricated cutting unit, which can be cut in one cycle.
Throughput capacity	Max. volume that can be theoretically shredded in one hour.
Cutting speed	This is calculated on the basis of the external diameter and speed of the cutting rollers in idle operation.
Working width	Maximum effective width of the feed opening.
Motor	Power consumption of the document shredder motor at maximum cutting capacity* (see above) Power consumption of the baler motor in normal operation.
Voltage / frequency	Three-phase/alternating current power supply.
Pressing power	Piston cylinder surface multiplied by the maximum hydraulic pressure (theoretical value).
Bale size	The length/height of the bales varies according to the expansion force of the compressed material.
Bale weight	The bale weight varies depending on the type, moisture and condition of the compressed material and the bale length/height.
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.
Dimensions of the machine	External dimensions of the machine when ready for operation.
Machine weight	Net weight of machine without packaging, loaded material or options.

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



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