



## HSM Product Solutions for industrial and professional Data Destruction

**HSM**<sup>®</sup>

Great Products, Great People.

# Misuse of data causes millions in damages!

Dealing with files and documents is something you do on a daily basis and everyone is very conscious of the need to act responsibly. However, data leaks increasingly occur which could be detrimental to the reputation of government offices, institutions and companies or lead to financial loss. These risks can be avoided with professional document shredders which are

exactly tailored to your requirements and shred your files reliably. This is ensured by the HSM quality with its sophisticated cutting unit technology which has been tried and tested around the world. HSM stands for experience, expertise and quality, in other words we want to make you and your company not only feel secure but be secure.

## It doesn't just concern paper documents!

HSM offers the largest range of document shredders for all areas of application. However in today's digital world countless amounts of confidential information are stored on our hard drives, USB sticks, magnetic tapes, CDs, DVDs and Blu-ray discs, credit cards and customer cards as well as discs.

### But what happens to these storage devices when they are no longer required?

Many are disposed of carelessly; offered for sale at car boot sales or sold on ebay, the data allegedly having been deleted using conventional wiping routines. This is an open invitation for the data to be misused; it is extremely easy to restore and retrieve confidential data.



Shredding hard drives



Shredding CDs, DVDs and Blu-ray discs, credit cards and customer cards



Shredding magnetic tapes



Shredding USB sticks



## 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. This ensures that every customer can enjoy the high quality of HSM products for a long time.





## The key points of first-class service:

### ► We believe that customer satisfaction starts with the advice provided:

- HSM specialists provide you with individual advice on site, even for custom solutions or specific projects. So that you get a system that is specifically tailored to meet your needs.
- We provide advice on data protection to companies and government offices.
- We can advise you on various financing models.
- We regularly exchange information with you to identify potential for improvement.

### ► We only deliver guaranteed quality:

- HSM devices have a quality that is “Made in Germany”.
- Durability and robustness characterise HSM devices, e.g. the induction-hardened, solid steel cutting rollers with a lifetime warranty.

### ► Even after your purchase, we are there for you:

- You can rely on our worldwide support as well as on the punctual delivery of spare parts and the processing of service orders.
- HSM service contracts, which include regular maintenance and inspections, ensure operational reliability and security.

# The right solution for every security requirement.

It only takes a few steps to get the correct security level!

## 1 Define your protection class ...

Normal protection requirement for internal data.

**Protection class 1**

High protection requirement for confidential data.

**Protection class 2**

Very high protection requirements for particularly confidential and secret data.

**Protection class 3**

## 2 ... which leads to the security levels.



**P-2**  
Strip width max. 6 mm, approx. 35 pieces\*

Internal documents to be rendered illegible or invalidated, for instance internal company communications, such as out-of-date instructions, travel guidelines, notices, forms.



**P-3**  
Particle size max. 320 mm<sup>2</sup>, approx. 194 pieces\*

Data media with sensitive and confidential data as well as personal data subject to high protection requirements, e.g. company sales reports and tax documents as well as quotations, orders etc. with private address data.



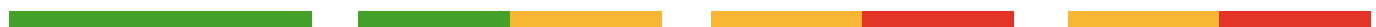
**P-4**  
Particle size max. 160 mm<sup>2</sup>, approx. 389 pieces\*

Data media with sensitive and confidential data as well as personal data subject to high protection requirements, e.g. balances and conditions as well as payslips, personal data/files, work contracts, medical reports, tax documents.



**P-5**  
Particle size max. 30 mm<sup>2</sup>, approx. 2,079 pieces\*

Data media with confidential information of fundamental importance to a person, company or institution, e.g. patents, construction documents, strategic papers, competitor analyses, process documentation.



\* based on DIN A4, 80 g/m<sup>2</sup>

## 3 Select the data media relevant for you.



e.g. paper, printed forms



e.g. CDs, DVDs, Blu-ray discs



e.g. floppy disks, ID cards with magnetic strips



e.g. USB sticks, chip cards, solid state drives, flash memory from smartphones



e.g. films, foils



HSM SP 5080



## HSM shredder baler combinations

### HSM SP 5080

This powerful combination of the FA 500.3 large document shredder and a counterplate baling press provides for data security in archives and compresses the shredded material into bales of between 40 and 80 kg.

- 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
- Automatic reverse eliminates paper jams
- Simple commissioning of the combination using Plug-and-Play
- Light barrier for automatic start of the compression process
- Shredder 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
- Automatic oiler provides for consistently high cutting capacity
- User safety through emergency off rail
- Multifunction element for intuitive operation
- Mobile on castors, with parking brake

Model	HSM SP 5080	HSM SP 5080	HSM SP 5080	HSM SP 5080
Cutting size in mm	10.5 x 40-76	6 x 40-53	3.9 x 40	1.9 x 15
Security level DIN 66399	P-2 / O-2 / T-2 / E-2	P-3 / O-2 / T-3 / E-2	P-4 / O-3 / T-4 / E-3 / F-1	P-5 / O-4 / T-5 / E-4 / F-2
Shredder material				
Cutting capacity* in sheets	510-550	340-380	180-200	90-100
Working width in mm	500	500	500	500
Pressing power in kN	80	80	80	80
Motor in kW	7.5 (doc. shredder) 4 (baling press)	7.5 (doc. shredder) 4 (baling press)	7.5 (doc. shredder) 4 (baling press)	5.5 + 4 (doc. shredder) 4 (baling press)
Voltage / Frequency	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz
Bale weight in kg (depending on material)	40-80	40-80	40-80	40-80
Bale size (L x W x H) in mm	570 x 490 x 800	570 x 490 x 800	570 x 490 x 800	570 x 490 x 800
Dimensions of machine (W x D x H) in mm	1168 x 2398 x 1795	1168 x 2398 x 1795	1168 x 2398 x 1795	1168 x 2398 x 1795
Machine weight in kg	1,350	1,350	1,350	1,480

\*DIN A4, 80 g/m<sup>2</sup>

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



HSM SP 5088



## HSM SP 5088

With this waste disposal station, HSM combines the FA 500.3 large 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 of up to 90 kg.

- 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
- Automatic reverse eliminates paper jams
- Simple commissioning of the combination using Plug-and-Play
- Light barrier for automatic start of the compression process
- Shredder material is compressed into compact bales, which are manually tied off with three baler straps and can also be disposed of cleanly in a waste bag
- The bale length is variable depending on the requirement
- Automatic oiler provides for consistently high cutting capacity
- User safety through emergency off rail
- Multifunction element for intuitive operation
- Mobile on castors, with parking brake

Model	HSM SP 5088	HSM SP 5088	HSM SP 5088	HSM SP 5088
Cutting size in mm	10.5 x 40-76	6 x 40-53	3.9 x 40	1.9 x 15
Security level DIN 66399	P-2 / O-2 / T-2 / E-2	P-3 / O-2 / T-3 / E-2	P-4 / O-3 / T-4 / E-3 / F-1	P-5 / O-4 / T-5 / E-4 / F-2
Shredder material				
Cutting capacity* in sheets	510-550	340-380	180-200	90-100
Working width in mm	500	500	500	500
Pressing power in kN	85	85	85	85
Motor in kW	7.5 (doc. shredder) 4 (baling press)	7.5 (doc. shredder) 4 (baling press)	7.5 (doc. shredder) 4 (baling press)	5.5 + 4 (doc. shredder) 4 (baling press)
Voltage / Frequency	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz
Bale weight in kg (depending on material)	up to 90	up to 90	up to 90	up to 90
Bale size (L x W x H) in mm	500 x 500 x 400-950	500 x 500 x 400-950	500 x 500 x 400-950	500 x 500 x 400-950
Dimensions of machine (W x D x H) in mm	1246 x 3222 x 1795	1246 x 3222 x 1795	1246 x 3222 x 1795	1246 x 3222 x 1795
Machine weight in kg	1,660	1,660	1,660	1,790

\*DIN A4, 80 g/m<sup>2</sup>

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HSM DuoShredder 5750

## HSM multiple stage shredder systems

### HSM DuoShredder 5750

Two-stage, fully automatic document disposal system. Depending on the type of material, it can achieve an efficient throughput of up to 800 kg per hour. In combination with an HSM baling press, you can expand the HSM DuoShredder 5750 into a complete disposal system.

- Two-stage fully automated shredding system
- Comprising pre-shredder V 570 and downstream shredder P 500
- The material can be loaded with a conveyor belt or discharge chute
- Incorporates photo-electric cell in loading hopper
- Pre-shredder with 4-shaft device (2 x intake shafts and 2 x cutting shafts)
- Automatic stop and reverse when jammed
- The entire system is controlled automatically
- Totally integrated and electrically secured inspection and maintenance doors, robust frame construction with service and maintenance doors
- Can be used as a complete disposal system in combination with an HSM baling press



Cutting unit stage 1: Pre-shredder



Cutting unit stage 2: downstream shredder

Model	HSM DuoShredder 5750	HSM DuoShredder 5750
Cutting size in mm	1 <sup>st</sup> stage: 20 x 155 2 <sup>nd</sup> stage: 6 x 40-53	1 <sup>st</sup> stage: 20 x 155 2 <sup>nd</sup> stage: 4.6 x 34
Security level DIN 66399	P-3/O-2/T-3/E-2	P-4/O-3/T-4/E-3/F-1
Throughput capacity* in kg/h	up to 800	up to 650
Working width in mm	500	500
Motor in kW	1 <sup>st</sup> stage= 2 x 5.5 / 2 <sup>nd</sup> stage = 7.5	1 <sup>st</sup> stage = 2 x 5.5 / 2 <sup>nd</sup> stage = 7.5
Dimensions of machine (W x D x H) in mm	1900 x 1200 x 3300	1900 x 1200 x 3300

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HSM TriShredder 6060

## HSM TriShredder 6060

HSM TriShredder 6060 3-stage shredding unit with three cutting units and a throughput of up to 2500 kg/h at security level P-3. In combination with a baling press, you can expand the HSM TriShredder 6060 into a complete disposal 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-controlled drive
- The material can be loaded with a conveyor belt or discharge chute
- Other loading options on request
- Pre-shredder with projecting teeth for improved material intake
- Control via photo cell
- Automatic stop and reverse when jammed
- Reliably shreds whole lever arch files and telephone books
- After consultation with HSM, other materials can also be shredded
- When combined with a baling press, the HSM TriShredder 6060 is a complete disposal system

Model	HSM TriShredder 6060	HSM TriShredder 6060
Cutting size in mm	1 <sup>st</sup> stage: 25 x 160-200 2 <sup>nd</sup> stage: 10.5 x 40-76 3 <sup>rd</sup> stage: 7.5 x 40-80	1 <sup>st</sup> stage: 25 x 160-200 2 <sup>nd</sup> stage: 10.5 x 40-76 3 <sup>rd</sup> stage: 4.6 x 34
Security level DIN 66399	P-3 / O-2 / T-3 / E-2	P-4/O-3/T-4/E-3/F-1
Throughput capacity* in kg/h	up to 2,500	up to 2,000
Working width in mm	650	650
Motor in kW	1 <sup>st</sup> stage: 2 x 11	2 <sup>nd</sup> stage: 2 x 7.5    3 <sup>rd</sup> stage: 2 x 7.5
Dimensions of machine (W x D x H) in mm	1940 x 1430 x 3900	1940 x 1430 x 3900

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HSM HDS 150



HSM HDS 230  
single stage



HSM HDS 230  
dual stage

## Hard drive shredders HSM Powerline

### HSM HDS 150

The hard drive shredder HSM Powerline HDS 150 destroys digital media devices in a safe and economical way – and is data protection compliant as well. Perfect for the decentralized destruction of data storage media.

- For shredding hard drives and magnetic tapes (DLT, Ultrium, LTOs), optical media (CDs/DVDs, Blu-ray), credit and identity cards, USB sticks, Solid State, phones and PDAs
- Powerful, energy-saving power unit enables long operation at a low noise level
- Low maintenance due to closed direct drive unit.
- Data media can be processed at a convenient working height
- Various functional modes depending on the material and highest throughput requirements
- Low space requirement and flexible fields of application by means of rollers
- Energy-saving continuous operation due to energy efficient IE3 motors in accordance with IEC 60034 30

### HSM HDS 230

Safe, data protection compliant and economic. This hard drive shredder shreds digital data media into tiny particles so that data retrieval is impossible.

- For shredding hard drives and magnetic tapes (DLT, Ultrium, LTOs), optical media (CDs/DVDs, Blu-ray), credit and identity cards, USB sticks, Solid State, phones and PDAs
- Material discharge via conveyor belt, suitable for all common container dimensions
- High level of user convenience through a multi-functional operating and display element with automatic stop and reverse in the event of blockages
- Low space requirement and flexible mobility due to castors
- High throughput capacity and energy-saving continuous operation with IE3 energy-efficient motors in accordance with IEC 60034 30
- With the double cutting unit (two stage), data storage media can be shredded very finely (security level H-5)

Model	HSM HDS 150	HSM HDS 230	HSM HDS 230
Device type	single stage	single stage	dual stage
Cutting size in mm	40	20 x 40-50 (< 1000 mm <sup>2</sup> )	11.5 x 26 (< 299 mm <sup>2</sup> )
Shredder material			
Cutting capacity per hour	up to 210 hard drives	up to 360 hard drives	up to 200 hard drives
Security level DIN 66399	T-1 / E-2 / H-3	O-1 / T-2 / E-2 / H-4	O-3 / T-3 / E-2 / H-5
Voltage / Frequency	100-240 V / 50/60 Hz	400 V / 50Hz	400 V / 50Hz
Motor in kW	1.5	3.2	6.2
Machine weight in kg	534	1021	1260
Dimensions of machine (W x D x H) in mm	1200 x 815 x 1325	1040 x 2858 x 1696	1040 x 3098 x 1696
Dimensions of feed-in opening (W x D x H) in mm	165 x 290 x 60	150 x 222 x 38	150 x 222 x 38

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# Consumable materials:

## Plastic bags



Order number	Suitable for document shredders or press models, standard equipment	Dimensions (W x H x L) in mm	Weight 100 pieces
6111 995 200	HSM SP 4040 V	600 x 400 x 1000	17.5 kg
6209 995 000	HSM SP 5080	570 x 490 x 1400	26.0 kg
6515 995 000	HSM SP 5088	560 x 540 x 1200	22.6 kg

## Cardboard box



Order number	Suitable for shredder baler combination models, standard equipment	Dimensions (W x H x L) in mm
6111 995 101	HSM SP 4040 V	590 x 485 x 390

## Special lubrication oil for cutting head



Order number	Container	Quantity
1235 997 403	Bottle	250 ml
1235 997 501	Refill canister	5 l

## Tape clamps



Order number	Item	Weight/PU
6127 990 101	HSM tape clamps for strapping tape	12 kg

## Strapping tape



Order number	Suitable for press models standard equipment	Type	Tensile strength	Length per roll	Tape width	Weight per roll
6205 993 010	HSM SP 4988 / HSM SP 5088	WG 30	280 kg	500 m	8.0 mm	2.2 kg

### Explanations of the technical data:

Cutting type	The material is shredded into either strips or particles.
Cutting size	Dimension of the strips or particles of the shredded material (depending on the paper quality).
Security levels	In accordance with DIN 66399
Cutting power	The max. number of sheets (DIN A4, 80 g/m <sup>2</sup> ), fed lengthways, with the motor cold and cutting unit oiled, which can be cut on one cycle.
Throughput	Max. volume that can be 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. Power consumption of the press 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 or height.
Dimensions of the machine	External dimensions of the machine when set up for operation.
Machine weight	Net weight of the machine without packaging and loaded material and with no optional equipment.

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# HSM – the company

## Shredding and Compressing.



Since 1971, HSM has been pursuing a clear strategy – a consistent commitment to “Made in Germany” quality. This product and service quality is the key to our success in both the office technology and environmental technology business sectors. As a specialist in products and services for data protection as well as technologies for improving logistics and recycling processes, HSM is one of the world’s leading providers in these sectors.

**Contact us now! We are always glad to help.**

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