

intimus SSD Granulator

The perfect machine for your destruction needs of optical media, flash- and SSD data-carriers with high security demands. The solid and reliable heavy duty cutting unit, driven by a powerful motor is capable to cut large amounts of PCBs, DVDs, CDs, USB-sticks, SSDs and even mobile phones* and pads* in 5.8 mm wide particles. The fully automatic control of all functions allows for easy operation. The small foot-print, the narrow width of the machine and the good maneuverability on four large castors allows for operation even directly in the IT department, as long as a 400V, 3-phase connection with 20A-fusing is available. Other voltages may be delivered on request.

*maximum width 155 mm, batteries need to be removed before shredding due to flammable contents !

The feeding funnel with the comfortable loading flap, made of massive sheet metal, allows for continuous feeding and operation of the machine. The ideal combination of knife cutting geometry and cutting speed delivers the best possible throughput. The top of the feeding funnel can be folded away on hinges and it is possible to fix it in the open position. Operator safety is guaranteed by an electrical safety switch on the funnel, stopping the machine automatically once the funnel is opened. The open funnel allows manual insertion of larger data carriers or phones, which wouldn't fit through the loading flap. After the funnel is closed, the machine will start destruction of the data carriers.

The solid and reliable cutting unit is equipped with 5.8 mm wide knives and a 1.5 kW geared motor. The particles after destruction are according to security class E-3 complying DIN 66399 or ISO/IEC 21964. The cutting units are specifically designed to work with low weight data carriers, allowing for high throughput, minimal wear and tear and low energy consumption. The combination of wear-resistant materials on knives and cams and the easy access to all parts of the cutting units are the base for good availability and low downtimes.

The machine can be equipped with various screens. They will retain large particles inside the cutting units for additional cutting and milling, until the particles are small enough to fall through the screen holes. The screens are interchangeable by means of a fork-lift or the optional assembly device. The screen unit is accessible from the bottom side and it is fixed with massive bolts. Optional different screens in 8, 5 or 3 mm hole diameter are available to achieve higher security levels.

A standard bin with 88 l volume fits into the base of the massive frame. The solid covers, made of sheet metal and a safety switch on the door ensure operator safety at any time during operation. The machine will be delivered with four castors on the base frame, which allows easy transport into various work stations. The narrow width of 705 mm allows access even through standard doors in the office.

All buttons, LEDs, the main switch and the emergency stop button are mounted in the side wall of the electrical cabinet. All functions of the machine are monitored and controlled permanently by a programmable EATON easy 512 PLC control. Operation is kept as simple as possible with a start and stop button to run the machine. Overload on the cutting unit will automatically stop the cutting unit, put it into reverse mode to remove the blockage and restart cutting operation again.



Cutting unit 5.8 mm cross-cut particles

Working width:	160 mm
Knife size:	5.8 mm
Noise level:	approx. 70 dBA in idle mode
Drive:	Geared motor, 1.5 kW, 400V / 50Hz, 3~
Overload protection:	Electronic load control and auto-reverse mode
Weight:	550 kg
Plug:	Cekon CEE 16A
Fusing:	20 A (provided by the customer)
Design:	Cutting unit with individually exchangeable knives and cams. Knives made of wear-resistant steel are designed to cut CDs, DVDs, USB-sticks, SSDs, smart cards, as well as mobile phones* and pads*. Fully automatic load and cutting control.

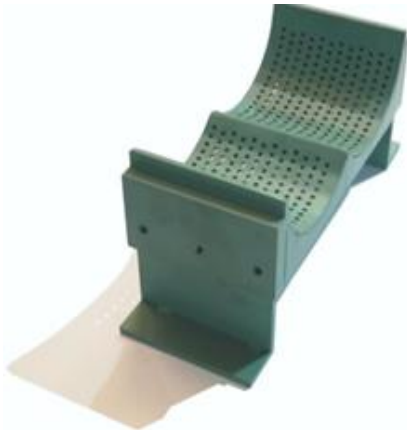
*Batteries need to be removed before destruction. Machine not equipped to cut HDDs

Central control and electrical components cabinet

Fully automatic control of all machine components.

Design:	Installation according to german standard VDE. All components inside an electrical cabinet with operation buttons on the side wall. Lockable main switch by means of a padlock. Control by EATON easy 512 PLC with display.
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Screens and Accessories



Screen 8 mm

The screens can be mounted by means of a fork-lift or the optional assembly device. The screen unit is accessible from the bottom side and it is fixed with massive bolts, weight is approx. 30 kg. The 8 mm holes in this screen guarantee perfect destruction for all customers with **high security demands**. Hardox material is used in the screen to reduce wear and tear. The particles after destruction using this screen are **in compliance to security class E-4 according to DIN 66399 or ISO/IEC 21964**.

Throughput of the granulator with this screen will be roughly 12 kg/h, equaling approx. 800 USB-sticks or 200 SSDs.

Screen 5 mm

The screens can be mounted by means of a fork-lift or the optional assembly device. The screen unit is accessible from the bottom side and it is fixed with massive bolts, weight is approx. 30 kg. The 5 mm holes in this screen guarantee perfect destruction for all customers with **extreme high security demands**. Hardox material is used in the screen to reduce wear and tear. The particles after destruction using this screen are **in compliance to security class E-5 according to DIN 66399 or ISO/IEC 21964 and CPNI 6x6 mm**.

Throughput of the granulator with this screen will be roughly 6.4 kg/h, equaling approx. 420 USB-sticks or 105 SSDs.

Screen 3 mm

The screens can be mounted by means of a fork-lift or the optional assembly device. The screen unit is accessible from the bottom side and it is fixed with massive bolts, weight is approx. 30 kg. The 3 mm holes in this screen guarantee perfect destruction for all customers with **most extreme security demands**. Hardox material is used in the screen to reduce wear and tear. The particles after destruction using this screen are **in compliance to security class E-6 according to DIN 66399 or ISO/IEC 21964, CPNI 2x2 mm and NSA-CSS 2 mm**.

Throughput of the granulator with this screen will be roughly 3 kg/h, equaling approx. 200 USB-sticks or 50 SSDs.

Assembly device

This device allows assembly of the massive screens without using a fork lift or additional lifting devices. The movable assembly device simply is placed under the cutting unit and pressed against the cutting unit with the integrated hydraulic cylinder. After removing the fixing bolts, the screen will rest on the device platform and from there it can be lowered and pulled out of the machine. The procedure has to be followed in alternate sequence to assemble a screen in the machine.



Collecting bin with 88 l volume

A standard Euro-bin on a trolley can be pushed easily under the cutting unit. The four castors on the trolley allow for easy maneuvering even in a full state.

