

intimus[®] *POWER*
Disintegrators



Top-Secure Data Destruction Systems

Over 50 Years of Experience and Innovation

High quality standards...

As one of the longest-standing manufacturers of data shredders, we can draw on Over 50 years of experience in the data security sector.

intimus@POWER Heavy Duty Shredders provide the utmost operational reliability by combining innovative ideas with uncompromising quality and sophisticated technology. The comprehensive range of models is tiered to meet practical requirements in terms of security and performance so as to deliver maximum cost effectiveness.

On the basis of an exceedingly versatile modular system, we also develop and supply individually configured, large-scale data destruction systems alongside our proven serial models.

They are tailored to meet our customer's specific requirements or structural conditions. Our experts are available to advise from the planning stages to installation.



www.pretect.se

...and perfect service

Seamless data protection needs uninterrupted, Failure-free operation..

Therefore all the project phases from development to delivery are subject to continuous quality assurance in compliance with DIN EN ISO 9001:2000. In designing all the intimus@POWER heavy duty shredders, special attention has been paid to providing maintenance-friendly access to all the service points. You can rest assured of on-the-spot assistance if need be, thanks to the company's own service technicians at our subsidiaries and over 170 distributors and dealers around the world.



Efficient Solutions for High-End Data Security for any Media from small to large Scale

...for satisfied customers

Machines and service come up against the most exacting demands where uncompromising data security is required or large quantities have to be shredded on schedule. We therefore consider it to be a validation that among our long-standing partners are numerous central banks, printers of securities, secret services, armed forces and governmental authorities from all over the world, alongside an array of customers from industry and the disposal sector.





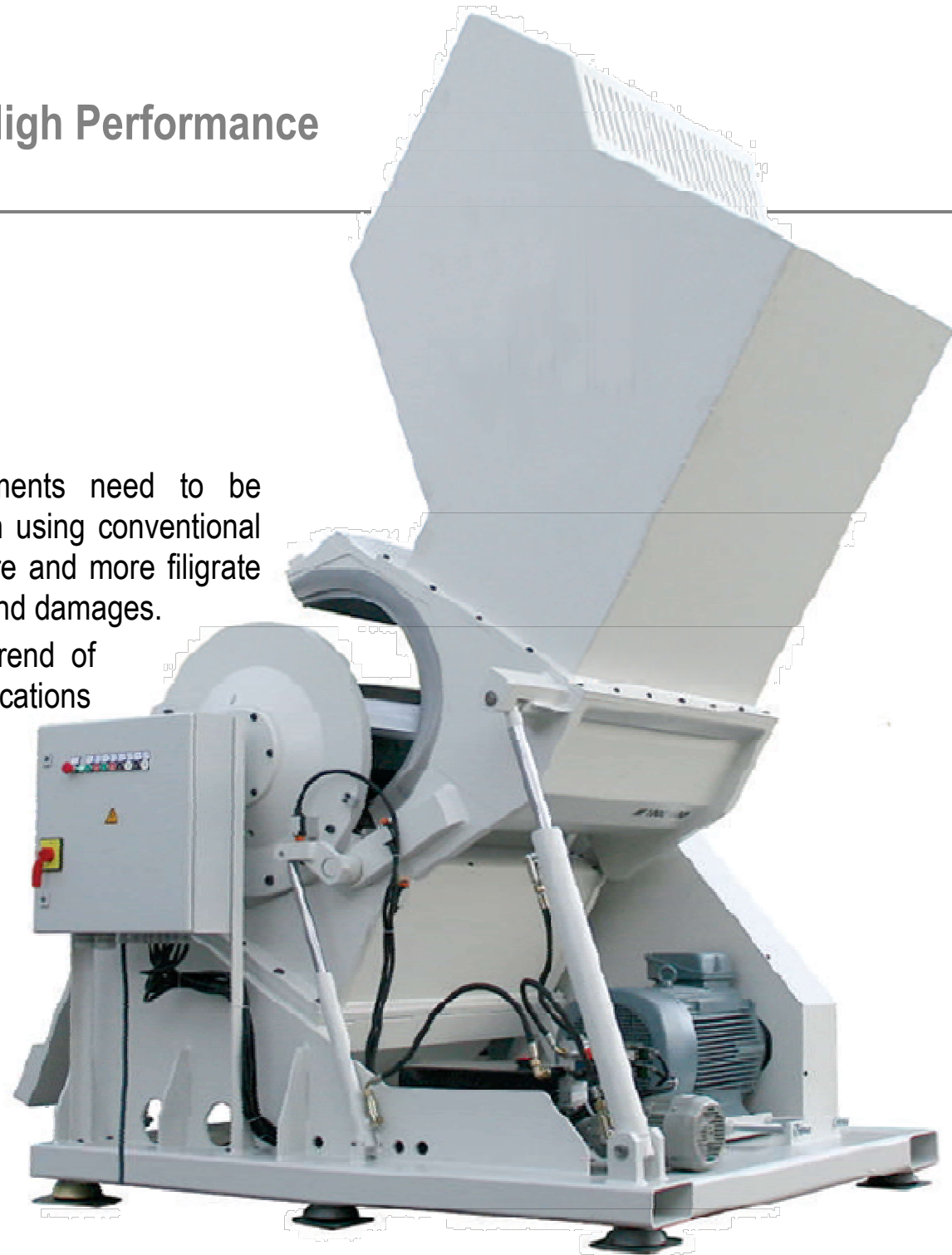
Ultimate Security and High Performance

A proven novelty

With increasing security requirements, documents need to be shredded to smaller and smaller particles. When using conventional dual shaft shredder technology this requires more and more filigrade cutting shafts, making them more prone to wear and damages.

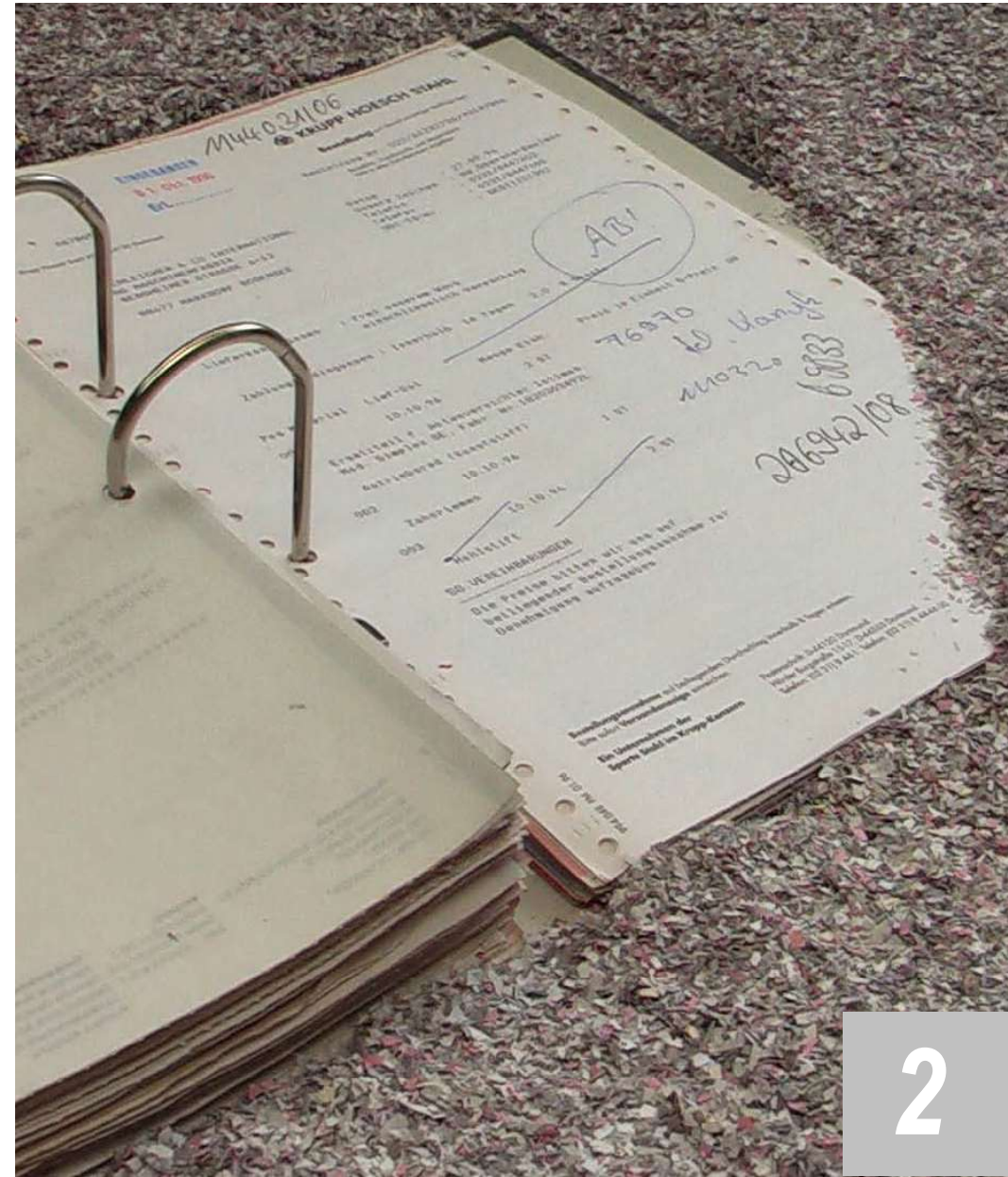
Intimus®*POWER* Disintegrators meet the actual trend of increasing security requirements in industrial applications and top security requirements at government and print houses at high throughput rates.

Based on proven technology, intimus®*POWER* Disintegrators are perfectly adapted for reliable and economic destruction of paper + plastic materials like paper documents, secure documents like passports or bank notes, magnetic media like plastic cards or floppy disks as well as optical media like CD's or DVD's.



Advantageous technology

In contrary to commonly used shredders, disintegrators are equipped with only one cutting shaft, the so called rotor. Between rotor knives that are fixed to the rotor, and solid bed knives sitting in the chassis, the shredding material is cut into randomly sized pieces like in a chipper. A screen is installed below the rotor, keeping all shreds within the cutting chamber around the rotor until they are cut small enough to manage to pass through the holes of the screen and drop into a hopper under the screen. Exchanging the screen with another one with different mesh aperture allows to adapt the final shred size of a disintegrator within a few minutes time. Usually the shreds are vacuumed away and collected in plastic bags or compacted in dumpsters or briquetting presses. Optional sound enclosures are available to reduce the sound level according to specific requirements. To achieve high throughput capacities and allow for processing of complete ring binders, disintegrators can be combines with feed conveyors, primary shredders and ferrous magnetic magnet separators.





Rugged + Service friendly

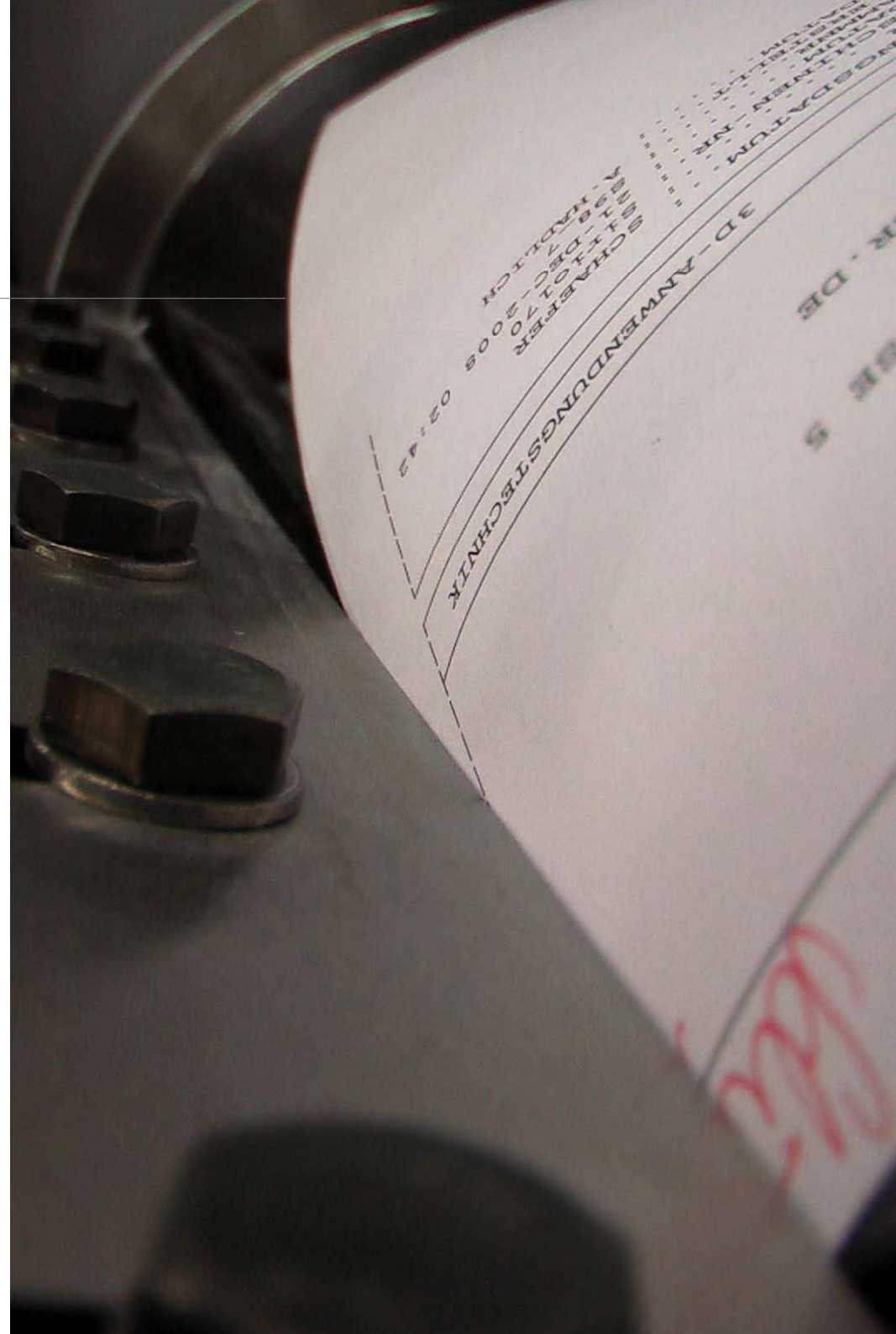
Elaborate knives

Intimus® **QuickFix Technology** provides for convenient and rapid assembly and adjustment of the die clearance of the bed knives.

Rotor knives do not need to be adjusted at Intimus®POWER Disintegrators at all. They are simply put against a bed stop at the rotor and then tightened with bolts.

All knives are made from high quality hardened tooling steel. With their straight blade they are very rugged and can be universally used for a variety of applications and all security classes.

Worn or damaged knives can be easily disassembled and re-ground many times by local specialist workshops or in our factory.

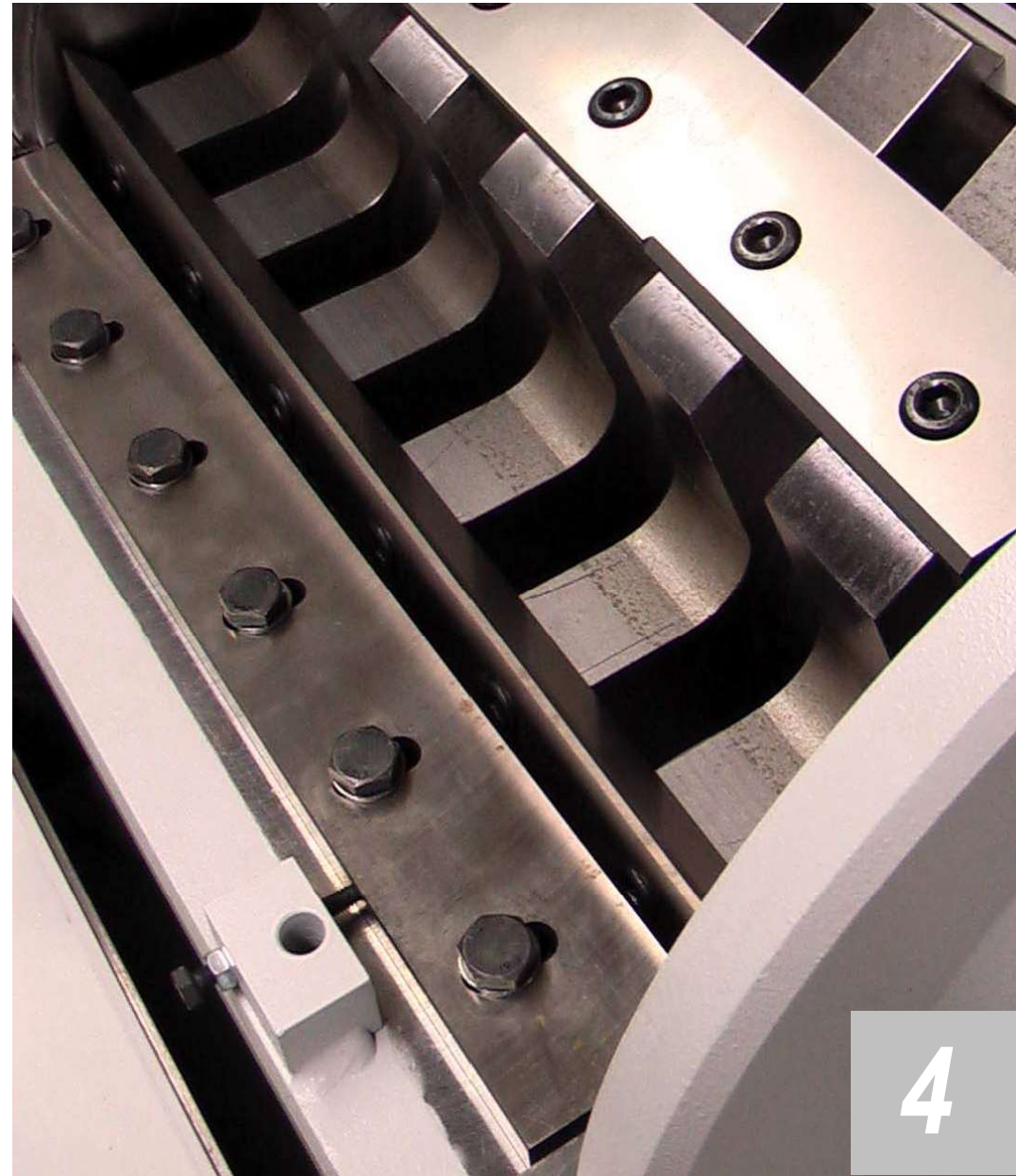


Precision milled rotors

The rotors, heart of the intimus[®]POWER Disintegrators, are made from solid steel on high-precision CNC milling machines. By this they are perfectly balanced and provide for smooth running even at high speed. With their special layout and the carefully adapted cutting chamber, our rotors are qualified for processing of thick stacks of paper and other media.

Intimus[®] **High Flow Rotor**-Technology allows for a perfect stream of shreds, superior throughput capacities and convenient feeding by the operator.

All rotors are equipped with **Diagonal-Cut or Scissors-Cut** Technology, being advantageous against all other knife layouts, excelling with smooth run, equal load level and low power consumption.





For each demand

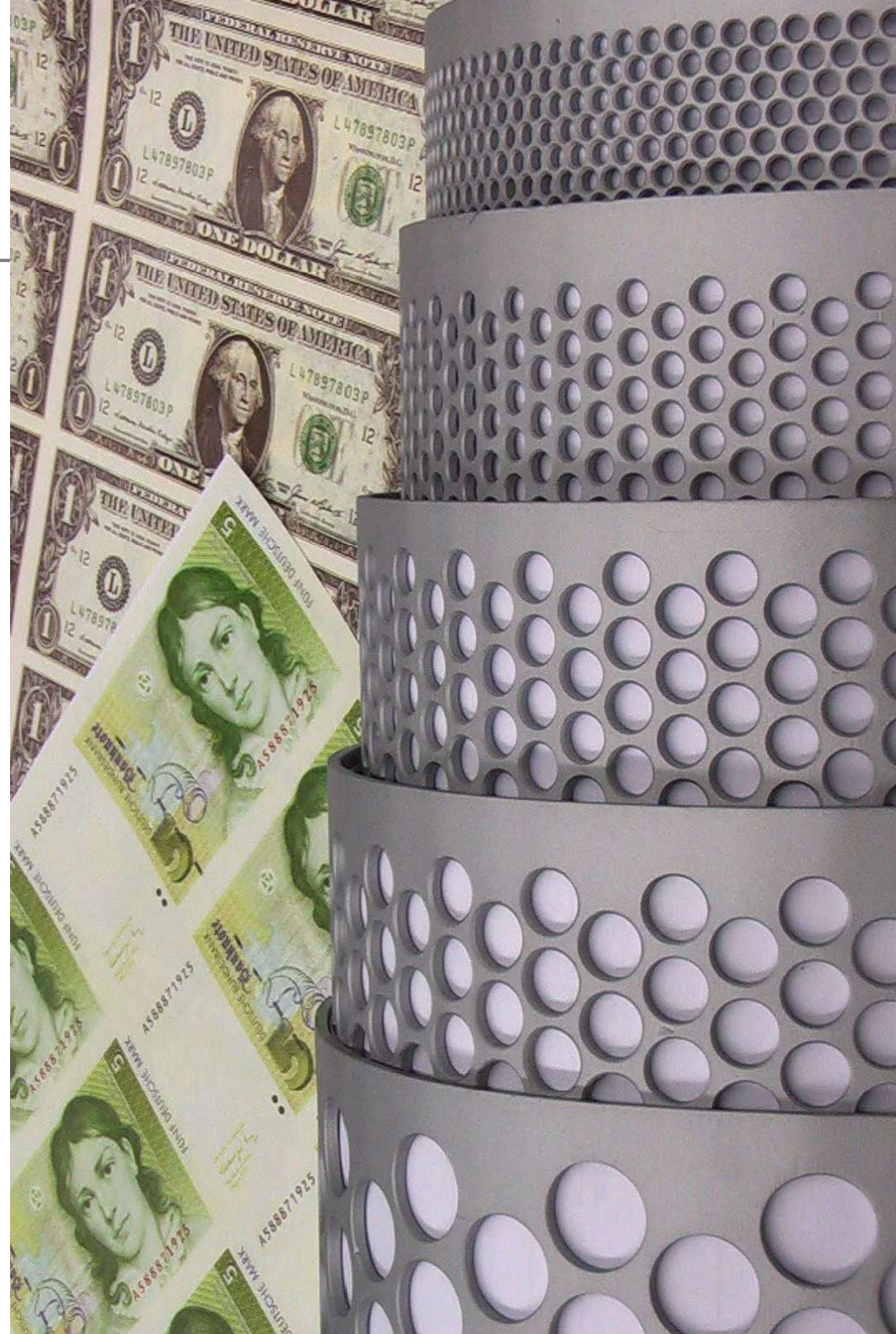
Exchangeable screens

The shred size of a disintegrator is defined by the hole diameter of the installed screen.

Since screens can be exchanged on intimus®POWER Disintegrators within a few minutes time, our disintegrators can be adapted to changing security requirements rapidly as well.

For all intimus®POWER Disintegrators screens with mesh apertures for security 3, 4 and 5 according to DIN 32 757 and the highest standard NSA-CSS 02-02 of the U.S. Government are available.

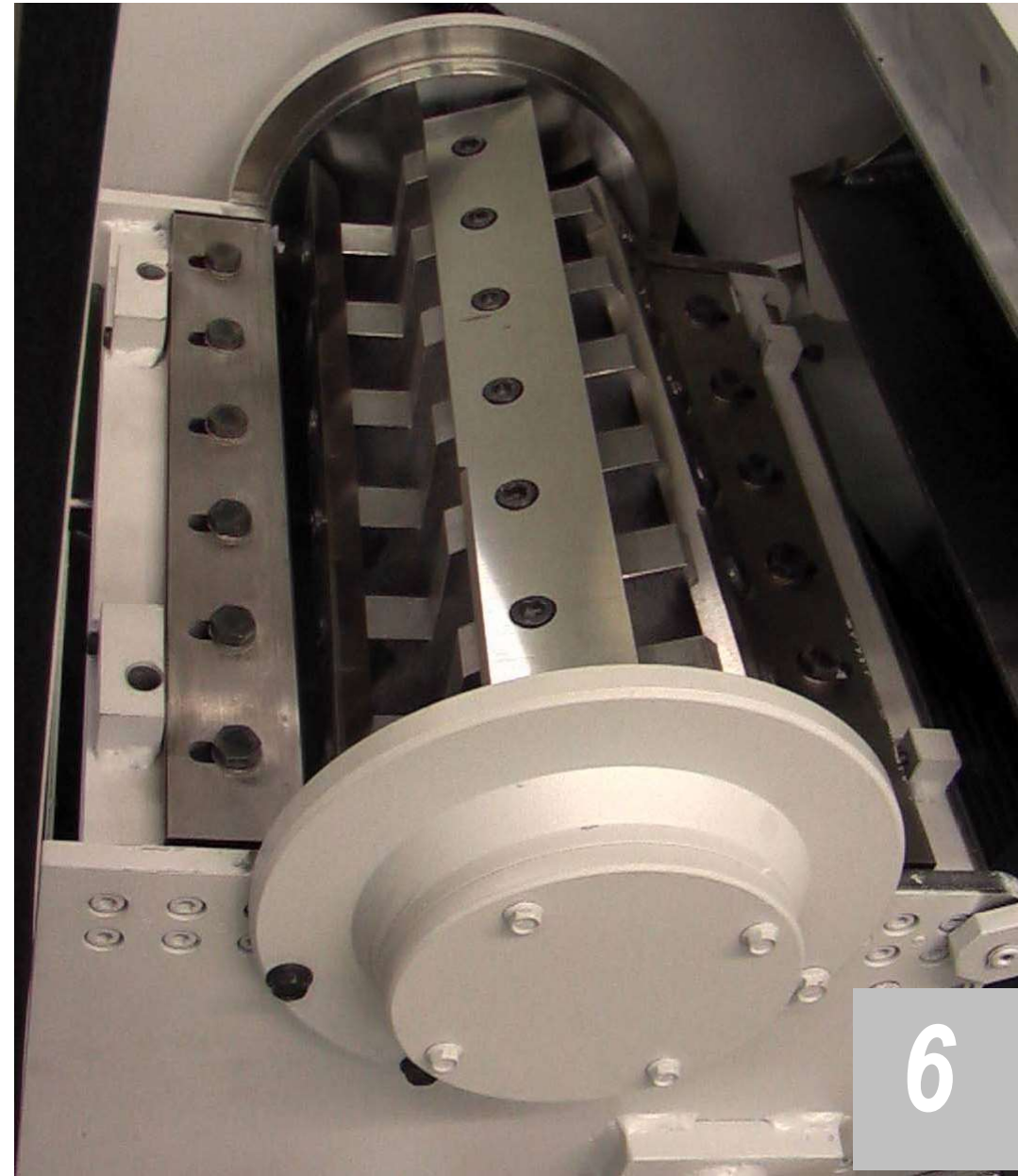
For maximum throughput and durability, intimus® **Opti-Flow Screens** are made from thick sheet steel with optimized mesh apertures and geometries.



Perfect access

After a few steps the upper chassis with feed hopper can be folded manually – or hydraulically at the larger models - to the rear. The unique centerfold chassis of intimus[®]POWER Disintegrators allows for unmatched access to all rotor- and bed-knives and the screen. Thus knives and screen can be exchanged and adjusted conveniently, rapidly and safely.

For maximum precision the chassis is bolted together from CNC-made steel plates. For maximum solidity the chassis is additionally welded together. Very large dimensioned bearings and bearing housings ensure a smooth run of the rotor and excel in a long lifetime.





A complete product line

Performance as required

For differing performance requirements and applications, intimus®POWER Disintegrators are available with widely spread power capacities. 6 different models are available, ranging from the DIS 150/230 for destruction of papers and CD's in the office to the DIS 600/1000 for centralised destruction of large office buildings, barracks or production facilities. Depending on security level and shredding material the intimus®POWER Disintegrator product line can cover security levels 3, 4 or 5 according to DIN 32 757 and NSA-CSS 02-02 with throughput capacities between 40 and 2,000 kg/h with 4 up to 75 kW main drives. For all models matching sound enclosures, vacuuming units or briquette baling presses are available as an option. For larger models additionally feed conveyor belts, primary shredders and magnetic separators are made available upon request.



For ultimate security

To meet maximum security requirements of Intelligence, Government Authorities or Security Print Houses world-wide, intimus®*POWER* Disintegrators are equipped with various features to prevent larger particles from getting out of the machine. The granule quality of each machine can be tested prior to delivery with NSA approved U.S.A. Standard Test-Sieves. A formal approval of the machines by NSA (National Security Agency) is pending.



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Disintegrator Model Range



Model		DIS 150/230	DIS 200/410	DIS 260/410
Working width	mm	230	410	410
Acceptable paper size	DIN	A4	A3	A3
Throughput in DIN 32 757 level 3	approx. kg/h	80	240	440
Throughput in DIN 32 757 level 4	approx. kg/h	60	170	320
Throughput in DIN 32 757 level 5	approx. kg/h	50	150	275
Throughput in NSA 02-02 (level 6)	approx. kg/h	40	130	210
Motor power	kW	4	7,5	11
Supply voltage	Volt	400	400	400
Weight gross	kg	293	686	885
Weight net	kg	230	613	771
Width	mm	640	880	880
Depth	mm	790	1.150	1.150
Height	mm	1.250	1.485	1.485
Sound level	dbA	> 80	> 80	> 80
Diameter connecting port vacuum	mm	60	100	100



Model		DIS 300/450	DIS 300/600	DIS 600/1000
Working width	mm	450	600	1.000
Acceptable paper size	DIN	A2	A1	A0
Throughput in DIN 32 757 level 3	ca. kg/h	560	750	2.000
Throughput in DIN 32 757 level 4	ca. kg/h	400	530	1.410
Throughput in DIN 32 757 level 5	ca. kg/h	340	450	1.200
Throughput in NSA 02-02 (level 6)	ca. kg/h	260	350	930
Motor power	kW	18	22	75
Supply voltage	Volt	400	400	400
Weight gross	kg	1.800	1.950	4.700
Weight net	kg	1.430	1.550	4.086
Width	mm	970	1.240	1.250
Depth	mm	1.270	1.270	2.540
Height	mm	2.060	2.060	3.480
Sound level	dbA	> 80	> 80	> 80
Diameter connecting port vacuum	mm	120	120	