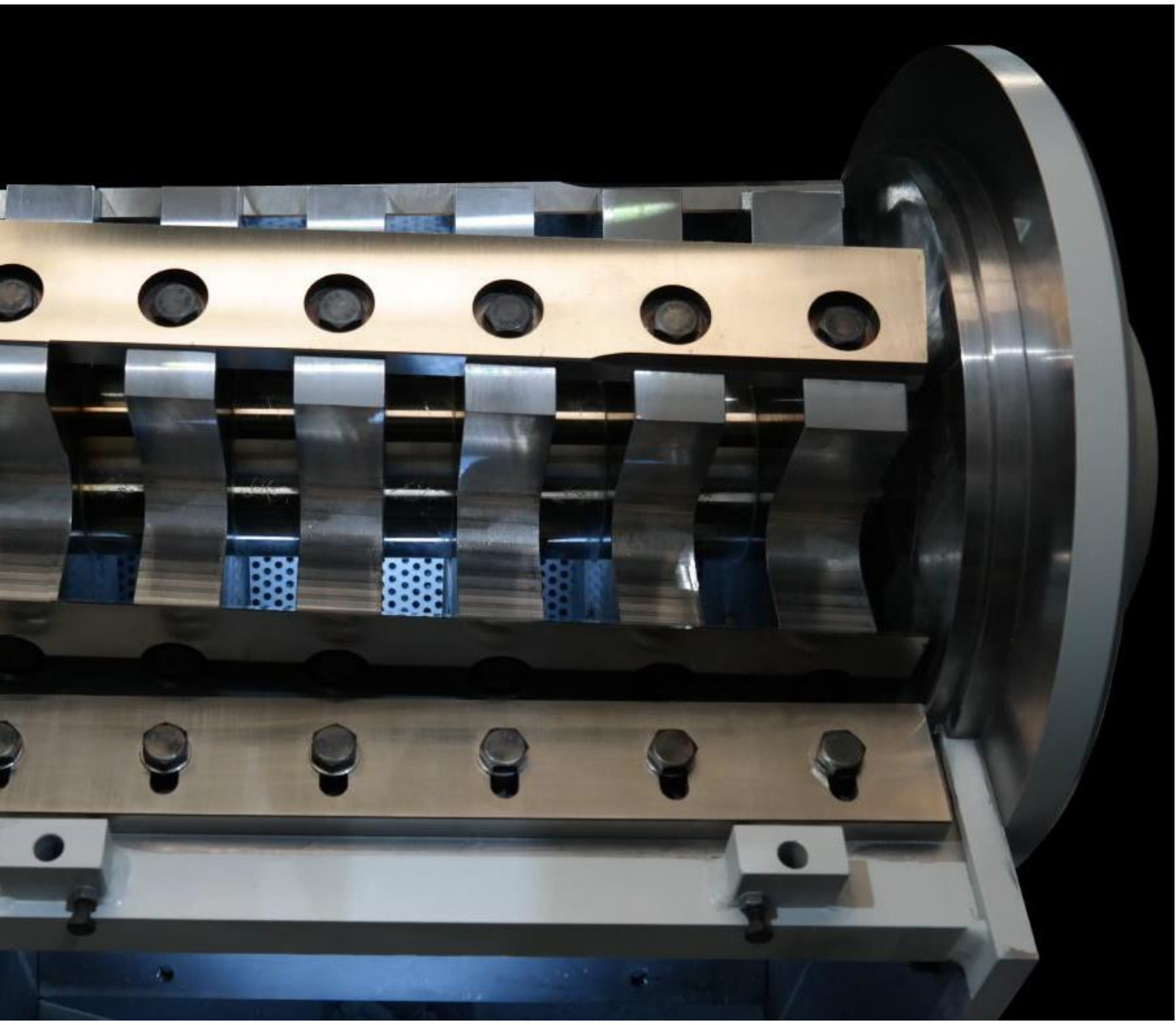
JBF

Disintegrators



Ruffles

Disintegrators

Beneficial and proven technology

With the actual trend of increasing security requirements in industrial applications and established top security requirements at government entities and the security printing sector, documents need to be cut to tiny particles. Disintegrators are equipped with one cutting shaft, the so called rotor, and use the same rugged knives for all security levels. Between rotor knives (sitting on the rotor) and static bed knives (sitting in the chassis) the shredding material is cut into randomly sized pieces like in a chipper. A screen below the rotor keeps all shreds within the cutting chamber around the rotor until they are cut small enough to pass through the holes of the screen and drop into a hopper under the screen. Exchanging the screen with another one with different perforation allows to adapt the final shred size of a disintegrator within a few minutes time. Usually the shreds are vacuumed and transported by an air-system and collected in plastic bags or compressed in mobile compactors or briquetting presses. JBF 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.

Perfect access

Having opened some screw joints, the upper chassis with feed hopper can be folded manually – or with hydraulic assistance at the larger models - to the rear. The superb **CenterfoldChassis** allows for unmatched access to all rotor- and bed-knives and the screen, providing for convenient, rapid and safe exchange of knives and screen.

Model		DIS 23/15	DIS 41/20	DIS 41/26
Working width	mm	230	410	410
Rotor diameter	mm	150	200	260
Acceptable paper size	up to	DIN A4	DIN A3	DIN A3
Throughput in DIN 66399 level P3	approx. kg/h	80	240	440
Throughput in DIN 66399 level P5	approx. kg/h	60	170	320
Throughput in DIN 66399 level P6	approx. kg/h	50	150	275
Throughput in DIN 66399 level P7	approx. kg/h	40	130	210
Motor power	kW	4	7,5	11
Supply voltage*	V / Hz / Ph	400 / 50 / 3	400 / 50 / 3	400 / 50 / 3
Weight net	kg	230	615	770
Width	mm	650	880	880
Depth	mm	800	1.200	1.200
Height	mm	1.250	1.500	1.500
Sound level	dbA	> 100	> 100	> 100
Air system connecting piece Ø	mm	60	100	100

* Other voltages ar e available upon r equest. Subject to change without pr ior notice.

Disintegrators

Solid drilled screens

The shred size of a disintegrator varies with the mesh aperture of the installed screen. Since screens can be exchanged on JBF Disintegrators within a few minutes time, they can be rapidly adapted to changing security requirements.

For all JBF Disintegrators screens with perforation for security levels 3 up to 7 according to DIN 66399 and the highest standard NSA-CSS 02-02 of the U.S. Government are available.

For maximum throughput and durability, JBF **MaxiFlow Screens** are made from thick drilled (not punched) sheet steel with optimized mesh apertures and geometries.

Tough and lasting knives

JBF **QuickSwap Technology** provides for convenient and rapid knife assembly and adjustment of the die clearance of the bed knives. Rotor knives need no adjustment, they are simply put against a bed stop and fixed with bolts.

All knives are made from high-quality hardened tooling steel. Their straight blade is very rugged and universally fits most applications and all security classes.

Worn or damaged knives can be conveniently unfastened and re-grinded many times by local specialist workshops or in our factory.

DIS 45/30	DIS 60/30	DIS 100/60
450	600	1.000
300	300	600
DIN A2	DIN A1	DIN A0
560	750	2.000
400	530	1.400
340	450	1.200
260	350	930
30	30	75
400 / 50 / 3	400 / 50 / 3	400 / 50 / 3
2.400	2.600	7.200
1.150	1.300	1.700
1.600	1.600	2.100
2.500	2.500	3.250
≈ 110	≈ 110	≈ 110
120	120	2 x 120

Disintegrators

Precision-made rotors

Rotors are made from solid steel on high-precision CNC milling machines. Thus they are perfectly balanced and provide for smooth running at high speed. With their special layout and the carefully adapted cutting chamber, our rotors handle thick stacks of paper and other memory media.

The rotor design is based on **SDC** (SingleDiagonalCut) or **DDC** (DualDiagonalCut) **technology**, representing the most sophisticated knife layouts, excelling with smooth run, equal load level and low power consumption.

A match for each demand

The JBF disintegrator product line covers differing performance requirements and applications. 6 different models are available, ranging from DIS 150/230 for destruction of papers and CD´s in the office up to DIS 600/1000 for centralised destruction of large administrative buildings, barracks or production facilities. The JBF Disintegrator product line covers DIN 66399 security levels 3 up to 7 and NSA-CSS 02-02 with throughput capacities between 40 and 2,000 kg/h.

Adequate accessories

As an option, matching sound enclosures, vacuuming units or briquette baling presses are available for all models. Larger machines can be updated with PLC-controls with touchpanel, customised feed conveyor belts, primary shredders and magnetic separators upon request.

JBF Group

JBF is a -owned business located in Southern Germany with over 40 years of history. 60 employees develop and manufacture at two sites with together 11.000 m² production and storage area shredders, textile machines, winding machines, packaging machines and presses, which are sold via dealers and general agents world-wide.

A very high level of vertical integration with high precision turning lathes, milling machines, machining centers, grinding and honing machines, sheet steel cutting and bending equipment, paint shop and control panel construction provide for fast reactions in production and development of series and custom-built machines.

A considerable stock of raw materials, mechanical and electrical components and geared drives enables a flexible production of made-to-order machines and fast supply of spare parts, independent from availability on the market.

Development projects with the Hohenstein Institute for Textile Innovation and leading pharmaceutical companies are a proof of expertise and ensure to maintain cutting edge technology.

Issue 2017-01

Ruffles

Don Ruffles Limited
138 Victoria Road
Horley
Surrey
RH6 7BG

made in Germany