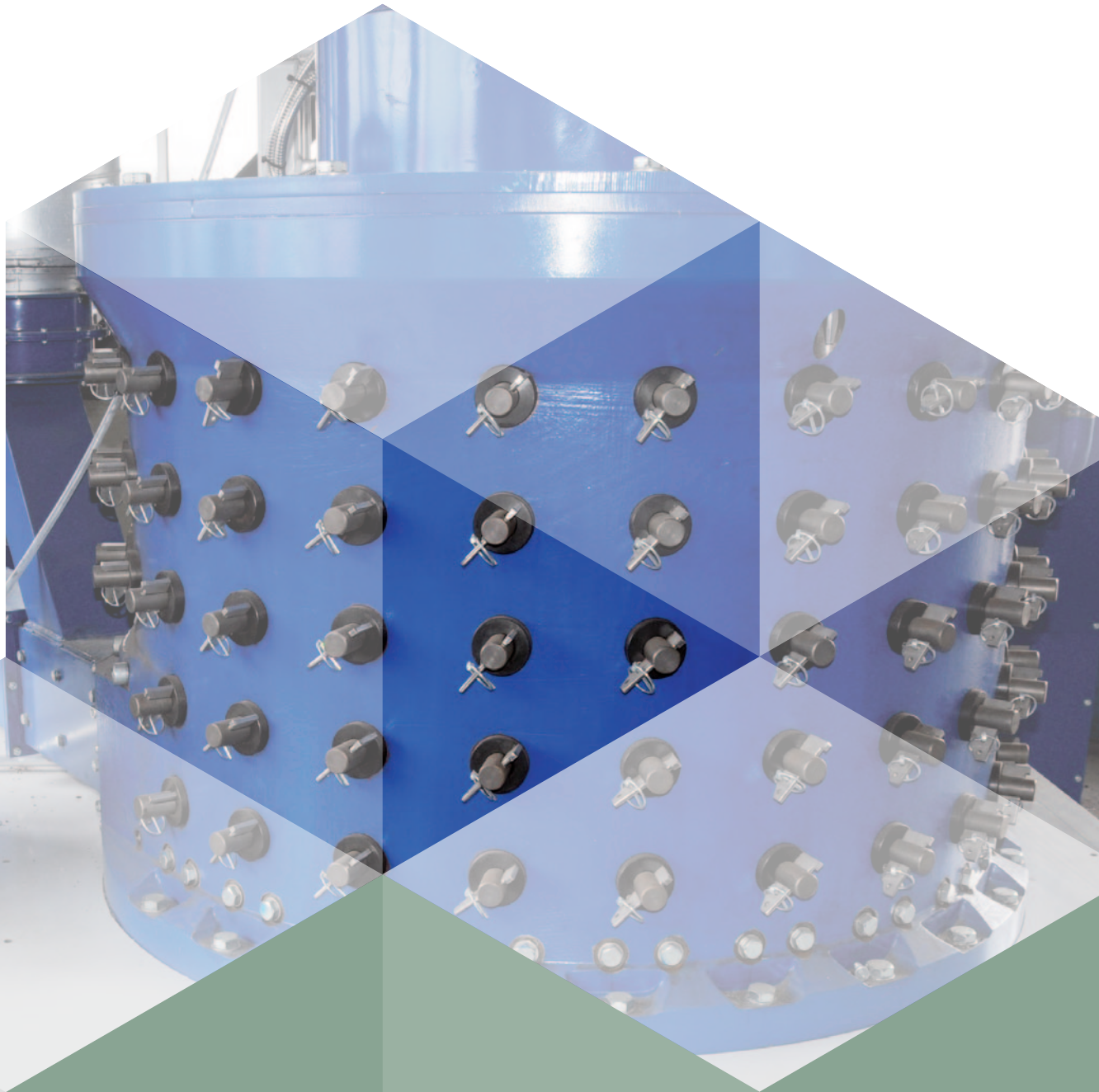
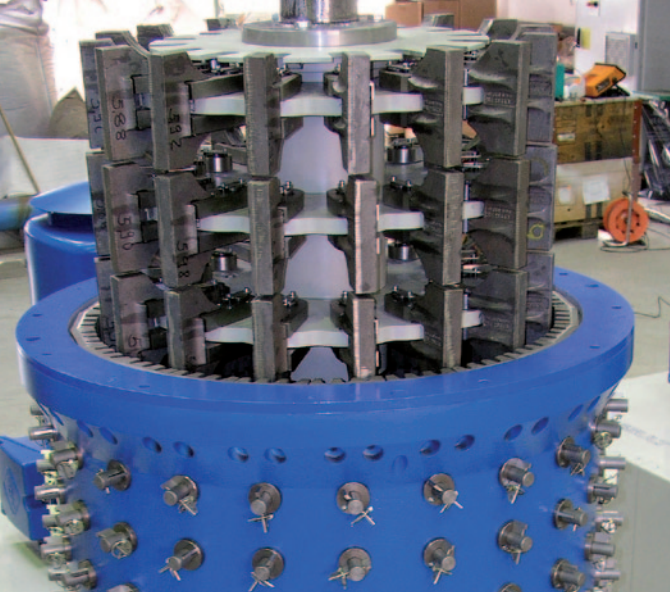


[EN]



Waste Electrical and Electronic Equipment :: Auto Shredder Residue
Cable :: PCB :: Aluminium Composite and many more

DELAMINATION HAS AN ADDRESS



SWISSRTEC DELAMINATION MILL

The Delamination Mill has been developed especially for the delamination and size reduction of brittle, hard and wear-intensive composites and other materials. swissRTec offer an optimal solution for the processing of waste electronics (WEEE), auto shredder residue (ASR), printed circuit boards (PCB) and many more.

Function

The shredded input materials enter the Delamination Mill at the top. In the Delamination Mill very strong forces act on the materials; in doing so, positively connected parts are broken apart,

and material composites are delaminated at the phase boundaries. During the process the metals take on a globular shape which simplifies the downstream separation and results in a high output quality and yield. A size reduction also takes place during processing.

The new generation of Delamination Mills operates with a reduced processing speed of up to 25%, producing the same high output quality. Thus the energy consumption is reduced and the lifetime of the tooling is increased substantially.

Type	CCM 10	CCM 15 (R)	CCM 20 (R)
Rotor Diameter [mm]	1 000	1 500	2 000
Throughput [t/h]	up to 2	up to 5	up to 7,5
Input Material Size [mm]	< 30	< 30 (< 40)	< 30 (< 40)
Working Speed [m/s]	45 – 90	45 – 90 (80)	45 – 90 (80)
Exhaust Air Quantity [m ³ /h]	4 000 – 7 000	8 000 – 14 000	12 000 – 20 000
Power [kW]	110 – 200	250 – 400	315 – 640
Dimension LxWxH [m]	2,6 x 1,8 x 1,6	3,1 x 2,3 x 1,6	3,6 x 2,8 x 1,6
Weight [t]	approx. 8	approx. 16	approx. 22

Product Advantages, USPs

- Developed for wear-intensive input materials
- Excellent globular forming of metals
- Low circumferential speed of rotor
- Maintenance-friendly, no screwed tooling
- Rotor change in a few minutes
- Crash protection
- Solid, rugged construction combined with high safety
- Easy integration into existing plants

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