



PULP & PAPER BIOCRUSHER BSY

HORIZONTALLY FED CRUSHER

The ANDRITZ BioCrusher BSY is a horizontally fed biomass crusher developed to process woody-based biomass into uniform particle sizes. The BioCrusher BSY is designed for crushing residuals from forestry, saw mills, and panel board mills as well as round wood and branch bundles.

It is also suitable for crushing any other wood-based, pre-crushed materials into smaller, uniform particle sizes (nominal particle sizes: P45, P63 and P100 - ISO 17225-1, table 5). The BioCrusher BSY has a suitable capacity range for power boiler plants (50 - 300 MW), pellet mills, and

gasification plants (50 - 80 MW). The BioCrusher BSY utilizes its full width for crushing of the raw materials, meaning less blockages due to variations in material quality and varying feed consistency.

ANDRITZ

ENGINEERED SUCCESS

Optimized wood-based biomass particle size

This also results in more even wear and tear on the crusher knives, which means less frequent maintenance and part replacement. The fully enclosed design - with no exposed moving parts - enhances work safety as well as reducing exposure to dust, and together with its sturdy construction also helps to reduce noise and vibration.

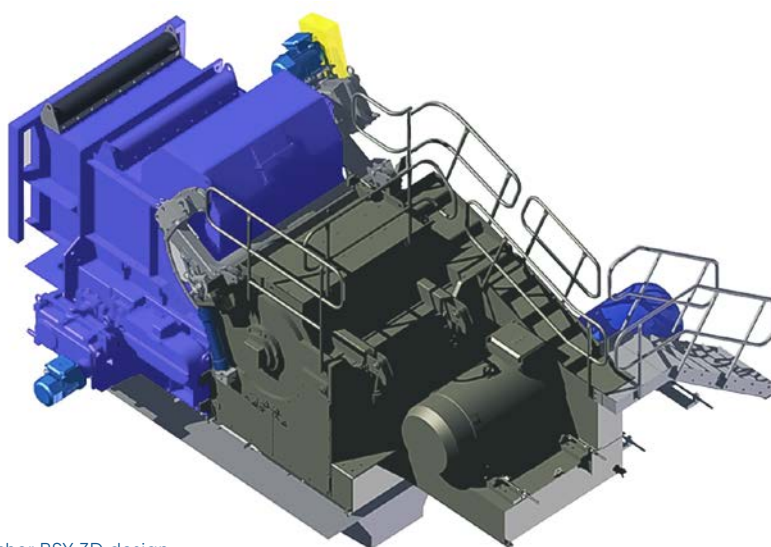
BIOCRUSHER BSY

Type	Rotor length (mm)	Max. capacity (solid m ³ /h wood)	Motor power (kW)
BSY10-19	1,900	115	315 - 1,260
BSY10-25	2,470	140	630 - 1,260

Rotor diameter in all types is 1,234 mm

BENEFITS

- Maximized efficiency and minimized emissions in the power boiler
- Unique three-stage crushing
- Grating with cutting knives for plug-free operation
- Long crusher knife lifetime
- Modular design enables the use of several knife systems
- Low power consumption without high peak loads
- Advanced condition monitoring (Crusher EKG) and remote/IIoT connectivity



BioCrusher BSY 3D design

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