

Production technology for flexible wood fiber insulation boards





QUALITY ALONG THE LINE

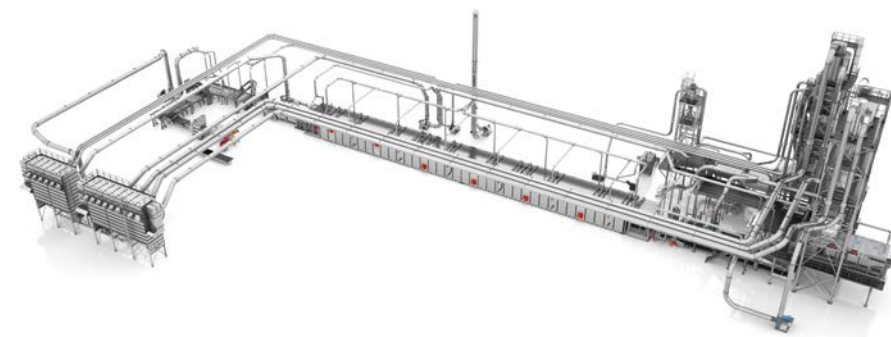
The rise in energy costs and the demand for environmentally friendly insulation materials drove Grenzebach's development of a wood insulation board line. This technology uses organic fibers from de-fiberized wood chips with thermoplastic **bico** component fibers or other binders to form insulation panels with physical properties equal to or better than insulation material from inorganic fibers at moderate energy consumption. As experienced automation specialist, we design and supply the complete production line, from fiber processing to the final cut and packaged product. Key components such as the fiber metering and mixing area and the flexible heating oven system enable producing a wide range of products.

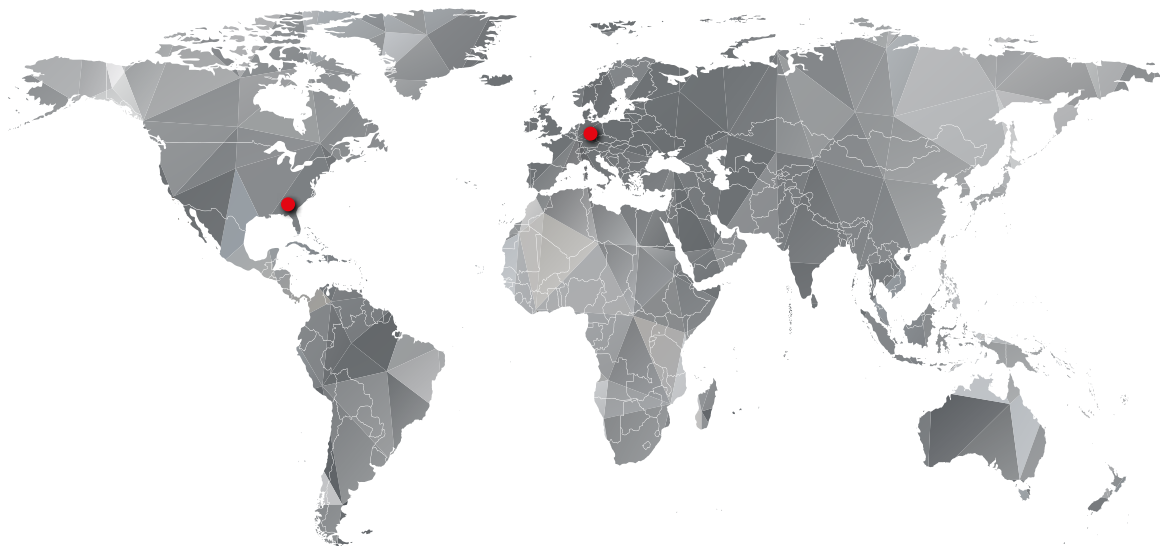
We plan, design and manufacture:

- » Wood chip storage and preparation systems
- » Wood fiber production systems: refiners
- » Wood fiber drying systems: flash tube dryers
- » Fire retardant metering systems
- » Fiber preparation systems: dry wood fiber bins and belt scales
- » Bico fiber preparation systems: bico openers and belt scales
- » Wood fiber and bico fiber mixing systems
- » Board forming systems: dosing bins, belt scales, prepresses
- » Air flow press curing ovens
- » Air cooling zones
- » Cutting and stacking lines
- » Packing lines
- » Pneumatic fiber conveying systems
- » Dust collection systems
- » Electrical control systems

GENERAL PRODUCTION DATA

Capacities:	3,500–10,000 kg/h	≈ 8,000–22,000 lb/h
Product thickness:	40–300 mm	3"–7 ¼"
Working width:	1,350 mm or 2,800 mm	≈ 4,5' or 9' gross
Sizes of final product:	Length: 1,200–1,300 mm Width: 350–900 mm Density: 40–60 kg/m ³ or as per requirement	47" / 48" 15"–24" ≈ 3 lb/ft ³ or as per requirement





Grenzebach Corporation

10 Herring Road
30265 Newnan, Georgia
USA
Phone: +1 770 253 4980
E-mail: insulation@grenzebach.com

Grenzebach BSH GmbH

Rudolf-Grenzebach-Straße 1
36251 Bad Hersfeld
Germany
Phone: +49 6621 81 3000
E-mail: insulation@grenzebach.com

www.grenzebach.com/insulation

