

# Extreme<sup>®</sup>




"Based on the knowledge gathered in the sanding and finishing industry around the world since 1999, Alpha-Brush manufactures flexible abrasives technologies for a wide variety of sanding and polishing applications in the wood, metal and composites markets."


- Thorben Lundum



Let Alpha-Brush maximize **your sanding potential!**

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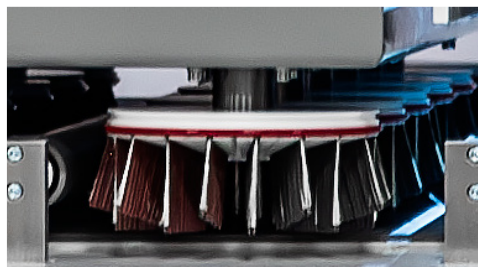
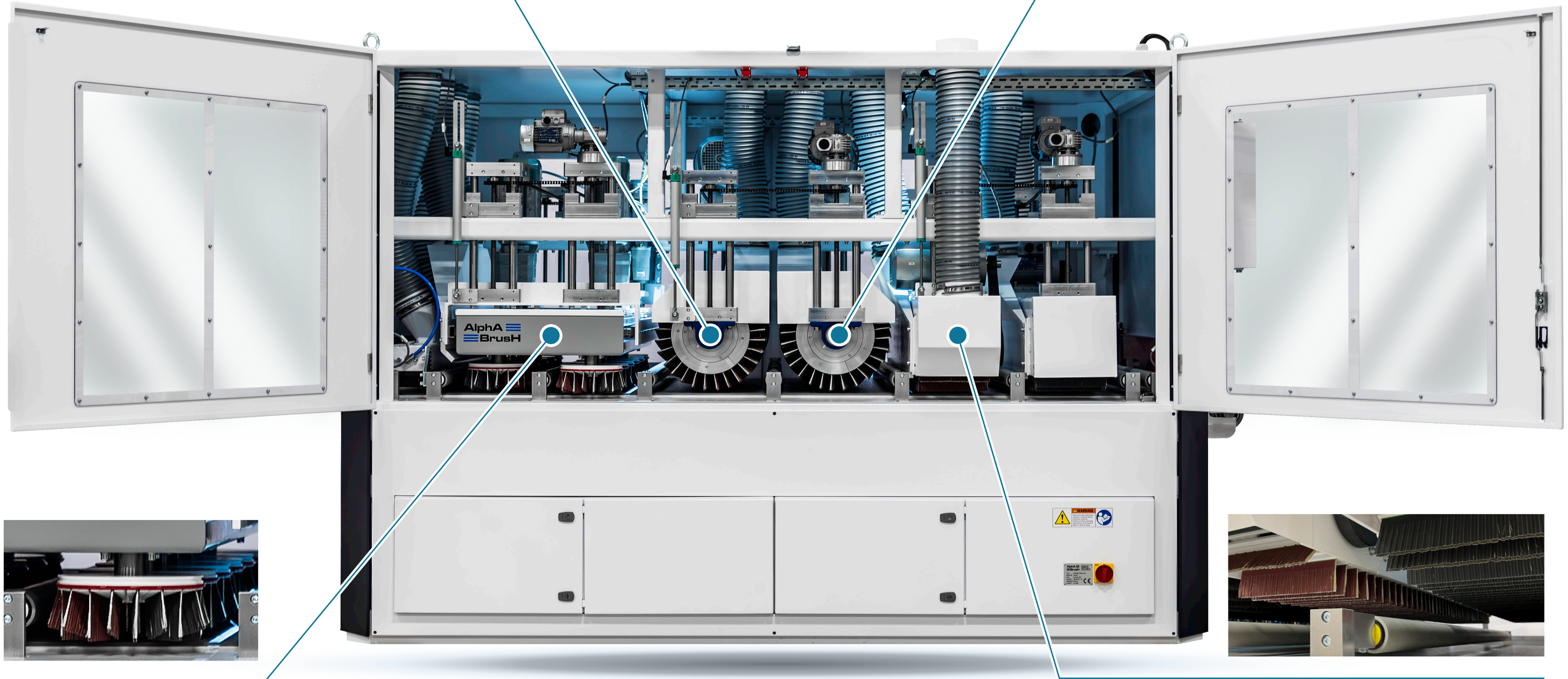
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**Helical Barrel Brush Station**

Equipped with two barrel brushes of 400mm (16") diameter with variable speed control of brush rotation speed and rotation direction. The counter rotating barrel brushes sand in multiple directions for equal treatment of leading and trailing edges, and are ideal for sanding inner recessed panels and mouldings due to the centrifugal force created by the brush rotation speed. The helical keyways can accommodate single or double side abrasives for application flexibility.

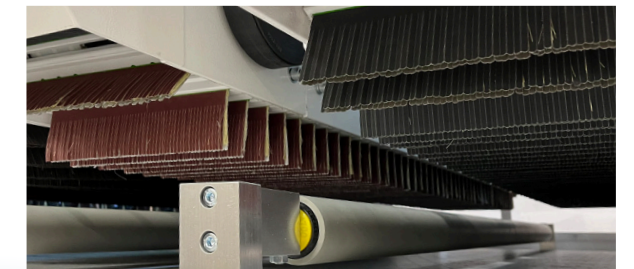


**Double Oscillating Disc Station**

Equipped with two rows of 250mm (10") diameter discs with independent variable speed control of brush rotation speed, rotation direction and disc oscillation. The counter rotating and oscillating discs offer exceptional sanding across the entire surface, sanding in multiple directions for ultimate fiber removal and consistency on all surfaces. The unique discs are equipped with a combination of angled and straight keyways to help sand the outside as well as the inside edges of the workpiece and can accommodate single or double side abrasives for application flexibility.

**Cross Brush Station**

Equipped with two cross sanding brushes of 250mm (10") width each, with variable speed control of brush rotation speed and rotation direction. The counter rotating cross brushes sand in multiple directions for equal treatment of left and right side edges across the entire width of the conveyor, offering excellent dwell time. The keyways accommodate single or double side abrasives for application flexibility.



**Vacuum Conveyor System**

Heavy duty fabricated conveyor bed in 1350mm (53") sanding width, equipped with a high-performance vacuum fan for secure vacuum hold down of small pieces as they pass through the machine. The unique vacuum table design ensures constant workpiece hold down throughout the entire conveyor bed, while the variable vacuum control system automatically adjusts vacuum to maintain constant pressure regardless of workpiece size or load efficiency.



**Robust Conveyor Drive System**

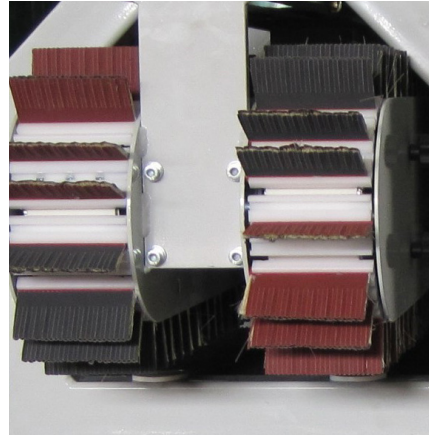
Engineered for reliable and efficient sanding operation. The system features a diamond patterned rubber drive roller, ensuring slip-free performance even under demanding working conditions. With a heavy duty, frequency controlled gearbox for driving the conveyor, the working speed is precisely controlled and maintained, for consistent performance even when integrated in lines.

**15" Color Touchscreen Control**

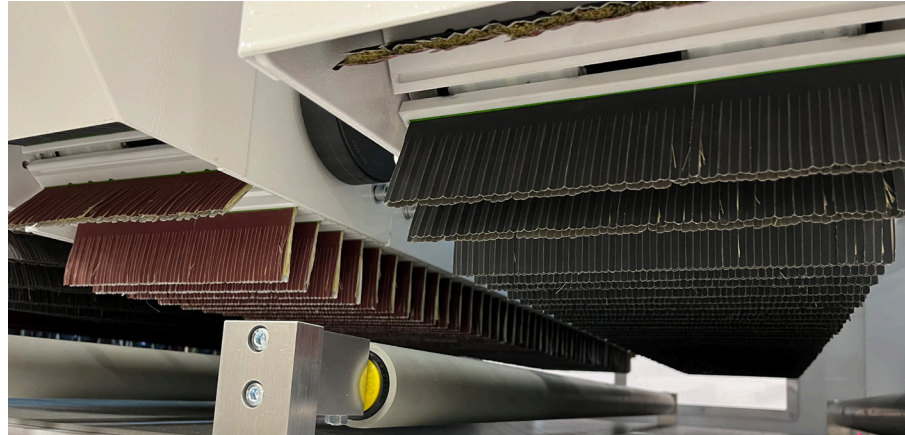
The machine features an easy and intuitive 15" control, mounted on a swivel for easy access from the front or from the side of the machine. The machine is fully programmable, allowing customization of height, speed, pressure and rotation of all sanding units. The parameters can easily be saved as recipes to ensure consistency and repeatability. The PLC control has integrated error messaging for fast diagnostics and troubleshooting in case of a stoppage. Remote diagnostics further enhance maintenance efficiency and accessibility, ensuring optimal performance and access.

## EXTREME SANDING STATIONS AVAILABLE

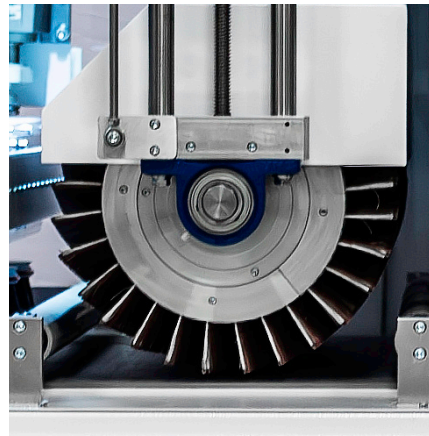
**C:** Cross Belt



**CC:** Wide Cross Belt



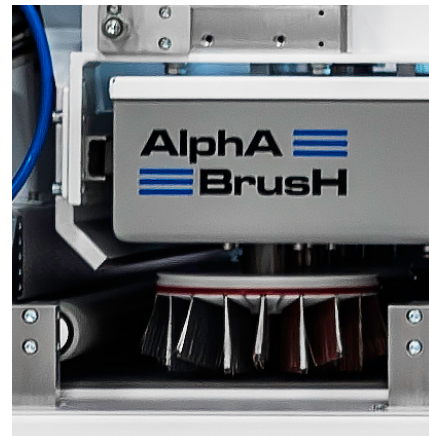
**B:** Barrel Brush



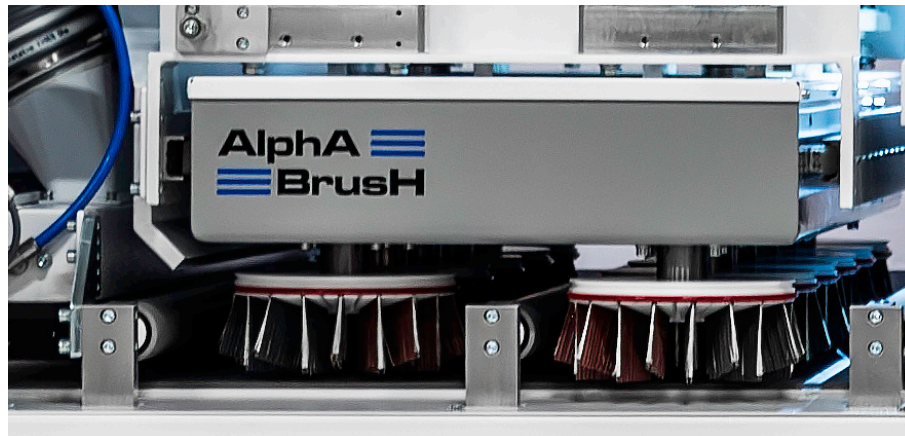
**BB:** Double Barrel Brushes



**D:** Disc

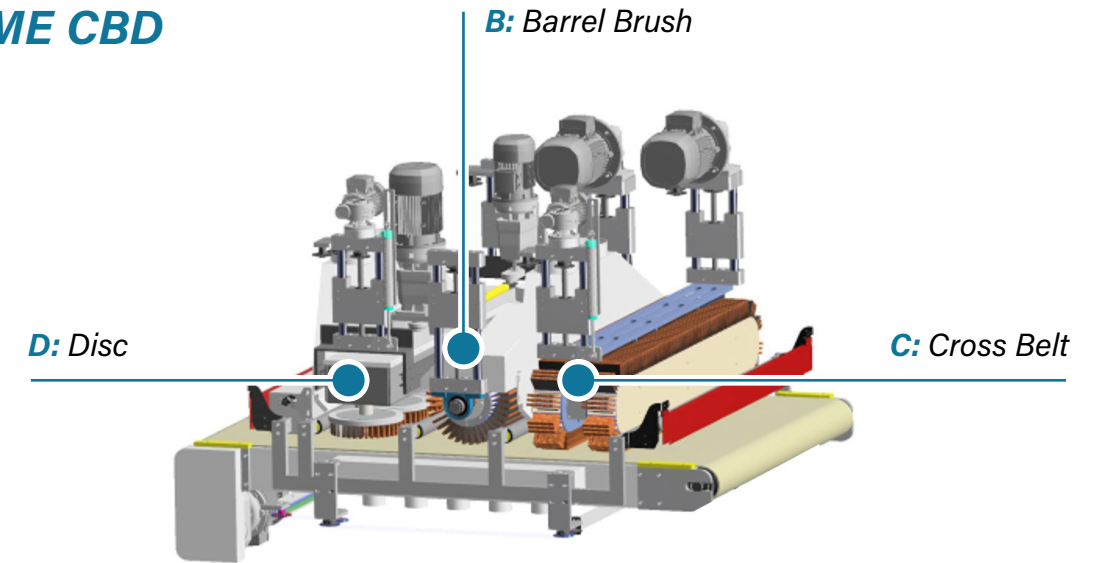


**DD:** Double Disc

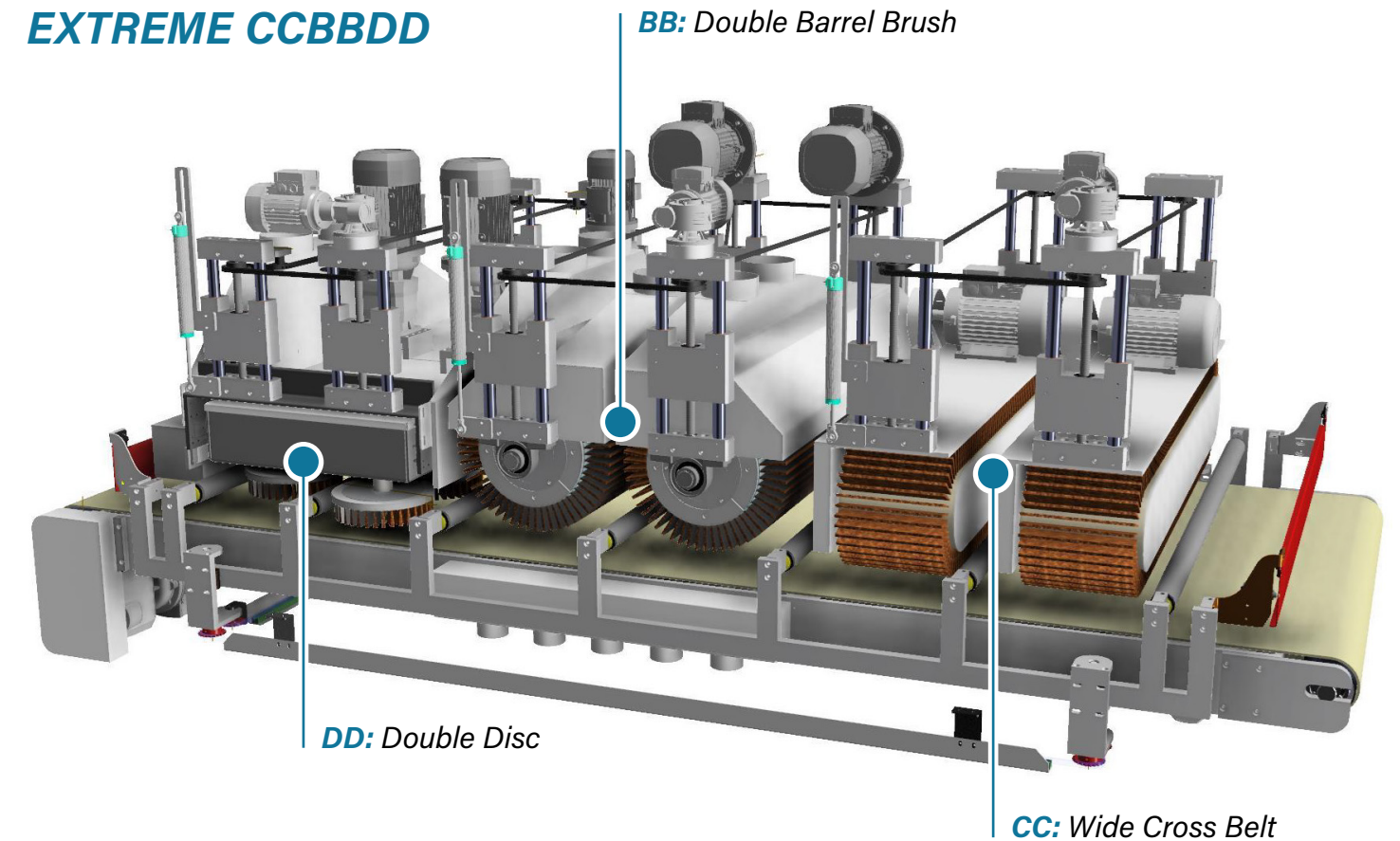


## STANDARD EXTREME CONFIGURATIONS

**EXTREME CBD**



**EXTREME CCBBDD**



Additional configurations available upon request.

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