

HQ-Press

Maximizing the energy benefit of bark



HQ-Press

Economical and reliable method for removing moisture from bark

An important component of any debarking operation – the bark itself – is a major source of economic fuel for the boiler. The less moisture in the bark, the higher the heating value. Removing the moisture by mechanical pressing is still the most economical technique.

ANDRITZ has developed a bark press – the HQ-Press – which is a robust, reliable solution for bark handling in any woodyard or bio-mass handling operation. The HQ-Press presses bark to approximately 5%-units of higher dry solids content than any competitive machine. This can increase the net green energy value of the bark by up to 15%.

Unlike competitive units with enclosed structures, the HQ-Press has an open, simple design. The components are easily accessible for maintenance. As a side benefit, the open design helps with housekeeping activities, which reduces odors and mold spores in the operating environment.

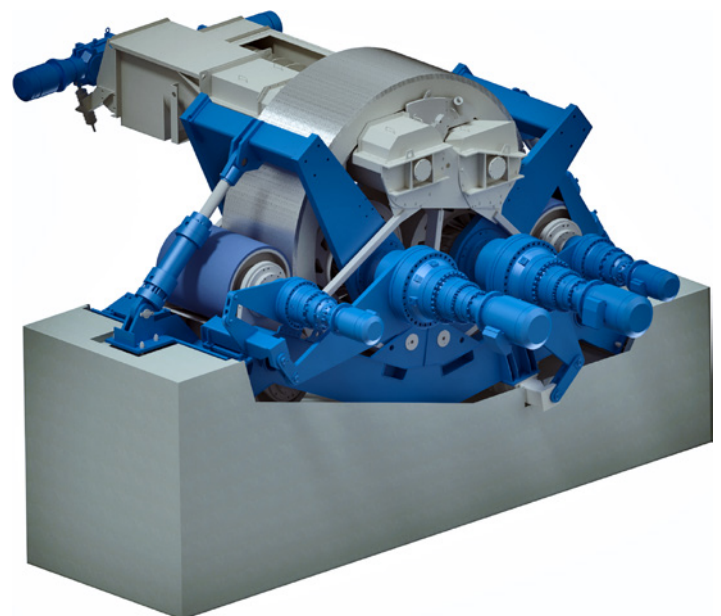
The design of the HQ-Press features a self-orienting drum with two-phase pressing to achieve the higher dryness. A specially designed drum drainage system prevents moisture from re-entering the bark after pressing. While conventional presses typically achieve an annual average of 40% dry solids, the HQ-Press is able to deliver an annual average of 45% dry solids in normal operation. Advanced controls on the unit maximize the output under a variety of operating conditions.

Type	Metric units	Width (mm)	Height (mm)	Length (mm)	Capacity (loose m ³ /h)
HQ-Press		4,250	3,655	6,870	up to 120

Type	Imperial units	Width (in.)	Height (in.)	Length (in.)	Capacity (loose cords/h)
HQ-Press		167	144	270	up to 435



▲ The unique, two-stage pressing technique ensures efficient moisture removal while optimizing the capacity.



▲ The HQ-Press has several patent pending features.

Benefits

- Net green energy value increase
- High capacity
- Remote connectivity for IoT applications
- Flexible layouts for infeed and discharge
- High uptime and availability
- Screen drum life significantly longer than in existing solutions

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