



A DIVISION OF CROSS COUNTRY CANADA SUPPLIES & RENTALS PRAIRIE CREEK ENERGY SERVICES

AIR CURTAIN BURNING

The future of wood waste elimination systems, our Air Curtain Burners operate on advanced principles and processes to be the most cost-effective, environment-friendly portable wood waste combustion systems on the market.

Our portable equipment provides a secure and safe environment in which the combustion of wood and other types of waste occurs, utilizing the wood and other combustible waste as its own fuel source.



A high-velocity curtain of air is directed across the entire burn chamber, eliminating smoke, while directing additional oxygen in to the burn chamber, ultimately improving combustion efficiency.

FEATURES

- Low cost, single person operation
- Continuous auto-char removal
- No processing, transportation or disposal costs
- Smokeless operation
- Diesel
- Dump feature quickly empties chamber
- Maximum efficiency with pre-heated under fire air
- Live stream video for pyrolysis chamber for full visibility and ease of feeding

With a wood waste combustion chamber that is completely contained and elevated off the ground, the Air Curtain Burner prevents any damage or sterilization to the surrounding soils during the burning process. This allows the burner to perform in sensitive environments, such as wetlands and areas rich in peat moss.

As a self-propelled unit, the Air Curtain Burner can access areas easily, and walk unassisted up slopes up to 5 degrees (while assisted slopes are endless). With a dumping feature that enables quick clean out the machine can continue to run at optimal peak performance without time lost.

BIOCHAR



When biomass is burned in our Air Curtain Burners it turns into a charcoal, like the embers in a campfire. However, since the particulate in the Burner is unable to escape, it is forced back down into these coals, creating a super-rich form of carbon.

When these extremely hot pieces of “super coal” collect below the burner in the auger system, they are then quenched with water to extinguish the ember and starve it of further oxygen, what remains is a porous carbon substance called Biochar.

By reintroducing Biochar back into the soil it is able to stimulate the activity of important microorganisms, and is a popular agricultural choice for improving soil conditions and fostering woodland health.



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