

Burn Box Cleans Up Waste

Why take wood waste to the landfill if you can take ash instead? Air Curtain Fire Boxes reduce waste by 98 percent with no smoke or emissions. Just dump in the timber residue, stumps, construction or other waste, start the fire, and turn up the forced air. High velocity airflow creates an invisible curtain on top of the fire and rotational turbulence within the fire.

"They're used for forestry, land clearing and construction waste," says Norbert Fuhrman, sales director, Air Burners, LLC. "We sell a lot of units to the government - local, state and federal. We also have customers who use them for service contracts. Some rent out the boxes, and others handle the complete clean up job, sending an operator with a box and a loader."

To handle the heat that can exceed 1,000 degrees F, the open top and open bottom fire box is lined with refractory material. The high heat from the oxygen-enriched environment not only speeds the combustion process, but also breaks down chemical compounds and reduces emissions. Smoke is constantly returned to the fire until it has burned up.

The Fire Boxes are available in three se-

ries, each having multiple length units. The largest and most popular series measures 12 by 12 ft. in height and width and sells for around \$120,000. The smallest at 6 by 6-ft. is priced around \$70,000. A mid-sized 8 by 8-ft. unit is also available, as are larger trailer-mounted units designed to be used over open trenches or pits for high volume burns.

"The Fire Boxes are popular because they are so easy to handle," says Fuhrman. "They come completely assembled and can be stationary or moved from location to location. They don't take an engineer to operate, and all that is needed is a front end loader."

The skid-mounted units come complete with a diesel engine and air manifold to create the air curtain across the top.

"We're seeing a lot of interest in Colorado where trees infected with pine beetle are being removed," says Fuhrman. "With our air curtain technology, they can be burned green which kills the larvae and eliminates the chance of moving the contaminated wood into new areas."

Other uses for the units are to clean up forest slash, partially burned trees after forest fires and even homeowner vegetative waste.



Burn box can handle timber residue, stumps, construction waste, and other debris. High velocity airflow creates an invisible curtain over fire and rotational turbulence within it.

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