

An Environmentally Friendly Alternative to Grinding

GSA Contract Holder



Additional Benefits Include:

- Low capital investment, Trench Burners range from \$30,000 to \$40,000.
- High mass reduction 95 to 98% waste reduction (100 tons of wood = 2 - 5 tons ash) increases landfill life.
- High through-put, up to 6 tons per hour.
- Dramatically reduced operating costs when compared to grinding.
- Environmentally friendly. Exceeds EPA & FDEP regulations for Air Curtain Incinerators.
- Ash can be used as a soil additive.
- One operator can monitor and load one or two machines.





T300 Trench Burner vs. Chipper Cost Comparison (100 Tons)

	T300 Air Curtain Burning	Chipping & Landfill Disposal	Direct Landfill Hauling & Disposal
Cost of Machine	\$32,996	\$219,370	-
OPERATING COSTS			
Fuel Cost (T300: 16 hrs; Chipper: 6 hrs)	\$116	\$540	-
Maintenance and Repairs (T300: \$0.60/hr; Chipper: \$16.00/hr)	\$10	\$96	-
Hauling of Residual to Landfill (50 Miles @ \$4.00/mile with 20-ton Dump Truck)	\$200 (1 load)	\$2,400 (12 loads)	\$5,000 (25 loads)
Tipping Fees at Landfill (\$30 per Ton)	\$90	\$2,940	\$3,000
Total Disposal Cost for 100 Tons	\$416	\$5,976	\$8,000

NOTES:

1. Chipper, approx. 400HP, Diesel fuel consumption: approx. 30 gal/hr. Diesel fuel at \$3.00/gal.
2. Chipping process and chip handling produces large amounts of particulate matter (PM) in the form of wood dust that can cause serious illness in exposed workers. Wood dust is a proven carcinogenic (cancer-causing). Chipping losses, mostly in form of wood dust, are approximately 2% or 2 tons in this example. Only 98 tons of wood chips are deposited into the landfill.
3. Air Curtain Burner residual is 3 tons of ash, hauled by 1 truck, but is usually land-applied on site; Chipper residual yields no weight reduction, but does provide significant volume reduction. In this example, waste is hauled by at least 12 trucks, each carrying approximately 22 cubic yards or 5 – 6 tons.
4. The T300 is a portable in-ground trench burner that can easily be moved with a standard 3/4 ton pick up truck. See www.airburners.com

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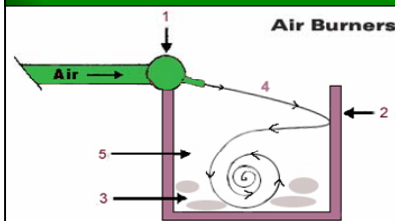
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Principles of Operation

The Waste
is
the Fuel



1. High velocity curtain (4) traps particles under the curtain
2. Particles under curtain (5) are returned

