



# T-300

## TRENCH BURNER

***An Environmentally Friendly Alternative to Grinding***



### ***Benefits:***

- ***Low capital investment***
- ***High mass reduction: 98% waste reduction (100 tons of wood = 2 tons ash)***
- ***High through-put: 10+ tons per hour***
- ***Dramatically reduced operating costs when compared to grinding & trucking***
- ***Environmentally friendly. Exceeds US EPA regulations for Air Curtain Incinerators***
- ***Ash can be used as a soil additive***
- ***One operator can monitor and load multiple trench burners***



### **AIR BURNERS, INC.**

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## TRENCH BURNER

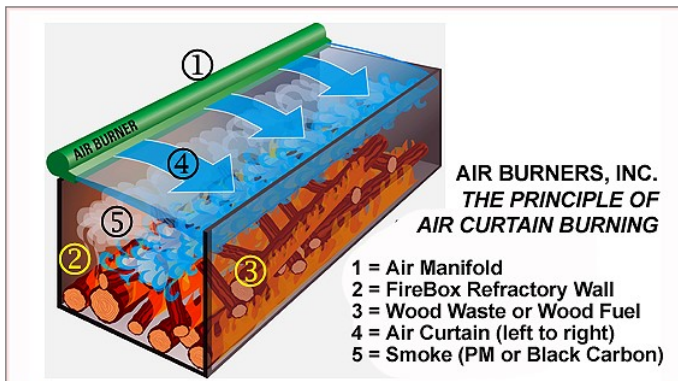
### Cost Comparison Example (100 Tons of Wood Waste)

	<b>T-300 Air Curtain Burning</b>	<b>Chipping &amp; Landfill Disposal</b>	<b>Direct Landfill Hauling &amp; Dis- posal</b>
<b>Cost of Machine</b>	\$41,947	\$220,000	-
<b>OPERATING COSTS</b>			
<b>Fuel Cost</b> (T-300: 10 hrs; Chipper: 6 hrs)	\$69	\$495	-
<b>Maintenance and Repairs</b> (T-300: \$0.60/hr; Chipper: \$16.00/hr)	\$6	\$96	-
<b>Hauling of Residual to Landfill</b> (50 Miles @ \$4.00/mile with 20-ton Dump Truck)	0	\$1,000 (5 loads)	\$2,000 (10 loads)
<b>Tipping Fees at Landfill</b> (\$10 per Ton)	0	\$980	\$1,000
<b>Total Disposal Cost for 100 Tons</b>	<b>\$75</b>	<b>\$2,571</b>	<b>\$3,000</b>

#### NOTES:

1. Chipper, approx. 400 HP, Diesel fuel consumption: approx. 30 gal/hr. TrenchBurner consumption 2.5 gal/hr. Diesel fuel at \$2.75/gal.
2. Chipper = 100 tons in 6 hours. Trench Burner = 100 tons in 10 hours.
3. 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. Air Curtain machines are designed to control PM release, plus any release is non carcinogenic carbon.
4. Air Curtain Burner residual is 3 tons of ash, is usually land-applied on site; Chipper residual yields no weight reduction, but does provide significant volume reduction. Ash is land applied, chips go to landfill.
5. The T-300 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](http://www.AirBurners.com)

### How the Air Curtain Works



#### NOTE:

Trench Burner is offered as "Non-self-propelled Agricultural/Forestry/Construction Equipment" for only incidental On-Road use.



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