

# ADVANCED COMBUSTION SYSTEMS

ENGINEERING  
MANUFACTURING  
INSTALLATION  
SERVICE

## MEDICAL, LOW-LEVEL RADIOACTIVE WASTE INCINERATORS FOR LABORATORIES AND HOSPITALS

Advanced Combustion Systems' HSW Series Medwaste Incinerators are designed and manufactured with the latest controlled-air technology providing maximum performance and efficiency while meeting current EPA 40 CFR Part 60 emission regulations.



### FEATURES:

- Heavy-duty all welded construction
- High strength, durable monolithic castable refractory lining
- Fully automatic electrical controls
- Simple and reliable operation
- Modular design for easy installation
- Factory plumbed, wired, and tested prior to shipment
- Designed and manufactured in the USA
- 5 YEAR "Total Component Warranty"

### OPTIONS:

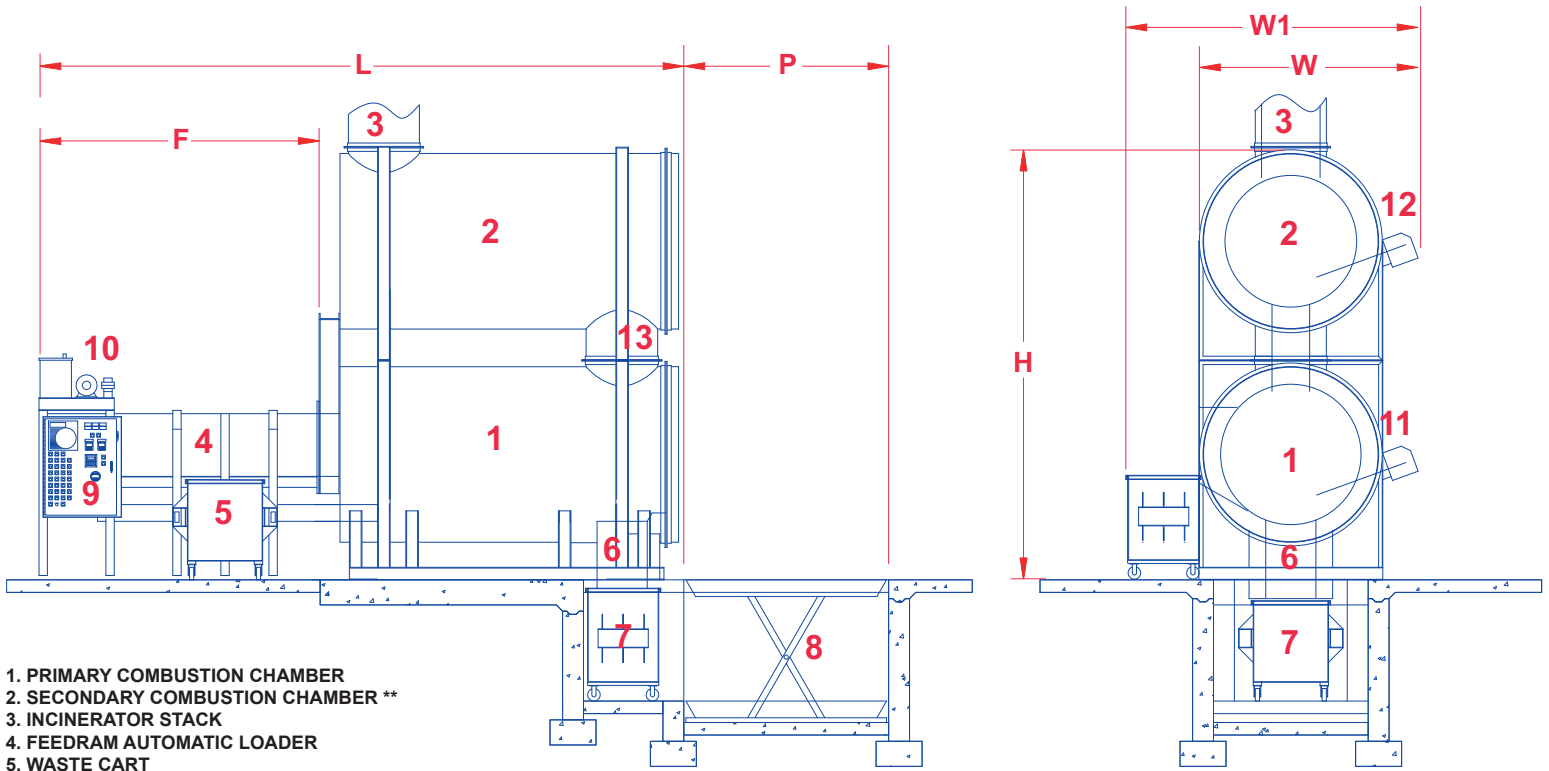
- Multiple unit installations
- Continuous Emission Monitoring Systems (CEMS)
- Data Acquisition Systems (DAS)
- Custom designs as needed

## ADVANCED COMBUSTION SYSTEMS

*A Division of ACS Inc.*

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- 1. PRIMARY COMBUSTION CHAMBER
- 2. SECONDARY COMBUSTION CHAMBER \*\*
- 3. INCINERATOR STACK
- 4. FEEDRAM AUTOMATIC LOADER
- 5. WASTE CART
- 6. ASH REMOVAL SYSTEM \*
- 7. ASH CART \*
- 8. SCISSOR LIFT
- 9. CONTROL PANEL

- 10. HYDRAULIC POWER UNIT
- 11. PRIMARY BURNER(S)
- 12. SECONDARY BURNER
- 13. PORT AIR INJECTION SYSTEM

\*\* 2 SECOND RETENTION CHAMBER SHOWN

\* OPTIONAL

MODEL NUMBER	OVERALL DIMENSIONS <sup>1</sup>					MAX. CHARGE CU. YD.	BURN RATE (MAX.) LBS./HR. <sup>2</sup>	APPROX. WEIGHT LBS. <sup>3</sup>
	H	W	L	F	P			
CA-500HSW	15'-9"	9'-6"	22'-0"	11'-2"	8'-2"	5.0	250	45,000
CA-750HSW	17'-3"	10'-0"	22'-6"	11'-2"	8'-2"	7.5	375	55,750
CA-1000HSW	17'-3"	10'-0"	24'-6"	11'-2"	8'-2"	10.0	500	66,000
CA-1250HSW	20'-3"	10'-9"	22'-6"	11'-2"	8'-2"	12.5	625	76,500
CA-1500HSW	20'-3"	10'-9"	24'-6"	11'-2"	8'-2"	15.0	750	84,250
CA-1750HSW	20'-3"	10'-0"	26'-6"	11'-2"	8'-2"	17.5	875	95,500
CA-2000HSW	22'-6"	12'-0"	25'-6"	11'-2"	8'-2"	20.0	1,000	107,500
CA-2500HSW	22'-6"	12'-0"	29'-6"	11'-2"	8'-2"	25.0	1,250	122,500
CA-3000HSW	22'-6"	14'-0"	29'-6"	11'-2"	8'-2"	30.0	1,500	150,000
CA-4000HSW	22'-6"	14'-0"	33'-6"	11'-2"	8'-2"	40.0	2,000	180,000

1. Dimensions can be modified to meet specific applications 2. Actual burning rate depends upon waste composition. 3. Weight will vary depending on the options ordered.

### Services:

- Installation and start-up services
- Large parts inventory for immediate shipment
- Service and maintenance contracts for all makes
- Rebuilds and modifications to existing incinerators

Advanced Combustion Systems' Engineering and Testing Facilities are available for complete design and component selection. ACS can custom design and manufacture incineration and control systems to meet any specific application.

**ACS, Inc. is your sole source manufacturer for complete incineration systems including waste handling, heat recovery, emission controls and monitoring.**



**ACS INCORPORATED**  
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