

ADVANCED COMBUSTION SYSTEMS

ENGINEERING
MANUFACTURING
INSTALLATION
SERVICE

MELTING FURNACES

Advanced Combustion Systems' MF-Series Direct Feed Melting Furnaces are designed and manufactured to withstand high temperature environments in non-ferrous metals and other high temperature melting processes. The MF-Series furnaces are engineered for maximum performance and efficiency while maintaining high reliability with low maintenance. Three standard furnaces are available. ACS can also manufacture larger systems to meet customer's specifications. Standard systems are provided with side and rear feed doors.



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:

- Fully modulated air supply, temperature controlled
- Fully integrated PLC controls
- Multiple Unit installations

ADVANCED COMBUSTION SYSTEMS

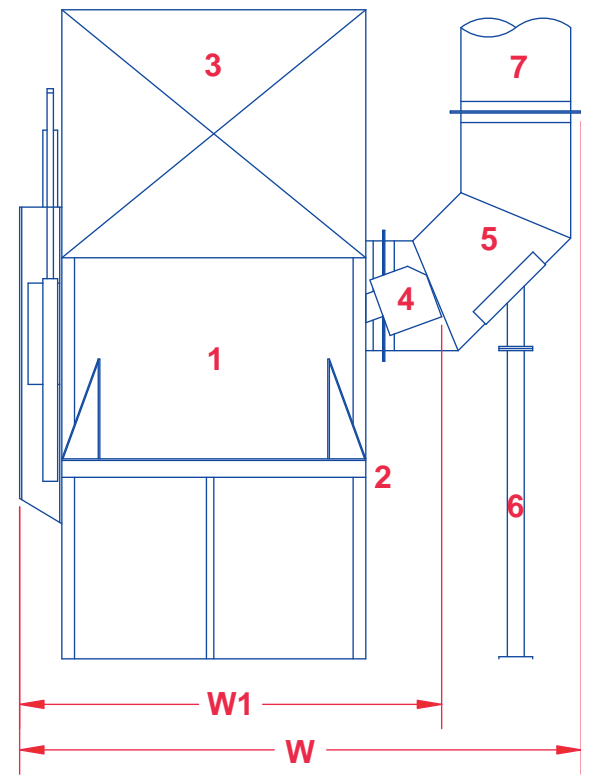
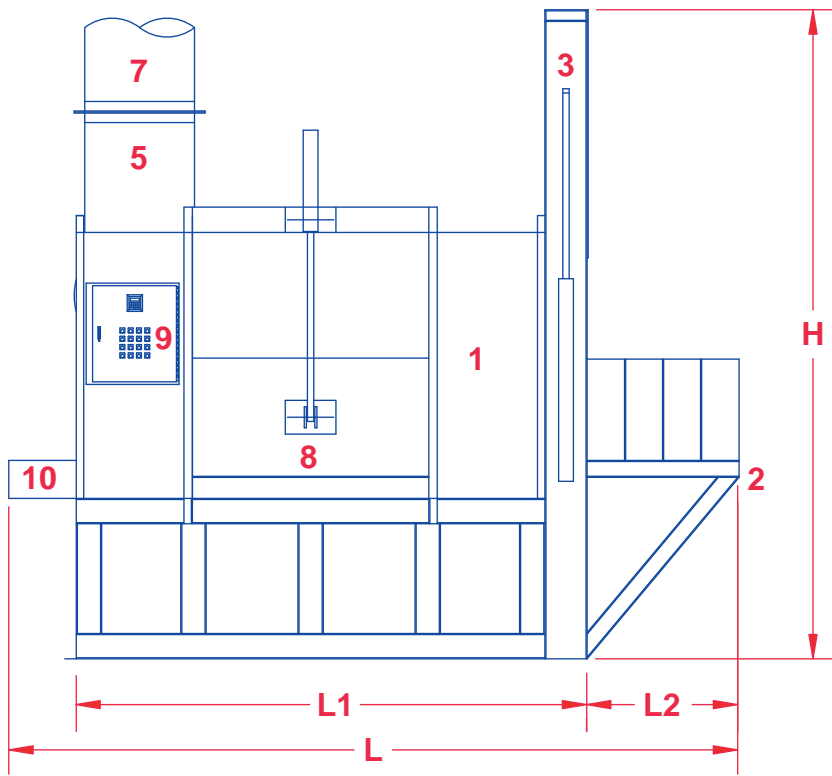
A Division of ACS Inc.

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- 1. Primary Combustion Chamber
- 2. Primary Load Table
- 3. Primary Load Door
- 4. Burner
- 5. Breaching Stack Section
- 6. Breaching Stack Support
- 7. Stack Section
- 8. Side Load Door
- 9. Control Panel
- 10. Outfeed Table

Model Number	Overall Dimensions ¹					Max. Capacity (cu-yd)	BTU/Hour	Approx. Weight (lbs) ²	
	H	W	W1	L	L1				L2
MF-485499-1200	12'-10"	8'-4"	11'-1"	14'-5"	10'-1"	3'-0"	5.0	1,200,000	19,000
MF-5562114-1200	14'-1"	9'-7"	12'-8"	16'-6"	11'-7"	3'-5"	7.5	1,600,000	24,000
MF-5562137-1200	14'-1"	9'-7"	12'-8"	18'-6"	13'-6"	3'-5"	10.0	2,400,000	28,000

1. Dimensions can be modified to meet specific applications. 2. Weight will vary on 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 melting furnaces

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

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



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