



PRODUCT DATA SHEET

TEM WET EXHAUST SCRUBBER



ES SERIES

Safe and effective exhaust particulate removal solution for TEM owners.

Leading manufacturers concerned about a clean planet are proactively implementing this Kennametal integrated solution for separating the oxide particulate normally expelled to the outdoors from thermal deburring machines. The ES-1200 and ES-2500 models utilize wet filtration technology avoiding any possibility of dry dust collection explosion hazards. 99.9% efficiency is achieved with the engineered water stream and optional HEPA filter removing nearly all particulate 0.3 microns and larger.



FEATURES and BENEFITS

- + Engineered to meet the needs of thermal deburring machine users.
- + Interlocked with TEM machine controls.*
- + Portable.
- + 99.9% efficient with optional HEPA filter (particulate >0.3 micron).
- + Stainless steel construction.
- + Marine-grade powder coated finish, inside and out.
- + Automatic water level control.
- + Simple cleaning by manual rake or optional bottom drain.
- + Static pressure-sensing airflow control indicates when filter change is needed.
- + Simple maintenance – no special tools or skills required.

* Refers to new machines. For older installed TEM machines, the control system would require compatibility assessment by our service department.



TECHNICAL INFORMATION

TEM WET EXHAUST SCRUBBER



PRINCIPLE OF OPERATION

Exhaust air from a thermal deburring machine enters the collector through ducting at the rear of the collector cabinet. Exhaust air is forced into a water bath and exits via baffles with engineered water streams that drop out and filter the oxide particulate laden air. The particulate is contained in the bottom of the collector for easy removal at necessary intervals. Water level is automatically maintained through our engineered flow valve system that is interlocked to the thermal deburring equipment.*

TECHNICAL DATA

Machine Specifications

Dimensions

ES-1200:
(W x D x H): 762mm x 1016mm x 2514mm (30" x 40" x 99")
with stand: H = 3124mm (123")

ES-2500:
(W x D x H): 914mm x 1245mm x 2743mm (36" x 49" x 108")
with stand: H = 3352mm (132")

Weight

ES-1200: 290 kg (640 lbs)
stand: 23 kg (50 lbs)
HEPA filter: 23 kg (50 lbs)

ES-2500: 495 kg (1090 lbs)
stand: 39 kg (85 lbs)
HEPA filter: 34 kg (75 lbs)

Max Noise Level: 75 dBA

Safety Devices: Standard water level shut off relay
Motor run relay
Static pressure air flow control
Electronically controlled sump vent

Compliance: Meets all OSHA and NFPA codes; CE Compliant

Available Options: Floor stand and bottom draining kit
HEPA filter

ELECTRICAL SPECIFICATIONS

USA	International
208-230/460VAC,	380 VAC,
3-ph, 60 Hz	3-ph, 50 Hz

Suitable for the Following Extrude Hone TEM Machines

For TEM Model P80, specify ES-1200

For TEM Model C250, specify ES-1200

For TEM Model P250, specify ES-1200

For TEM Model S250, specify ES-1200

For TEM Model P350, specify ES-2500

For TEM Model P400:

With 433cfm exhaust blower, specify ES-1200

With 800cfm exhaust blower, specify ES-2500

NOTE: Specifications and availability are subject to change without notice.