

MINI-TUNNELSONICS



OVERVIEW

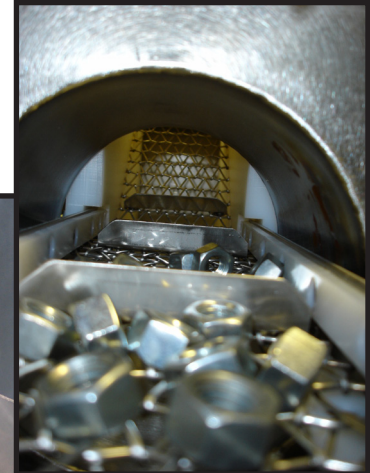
Designed with high capacity and critical cleaning in mind, the Mini-TunnelSonics (MTS) quickly cleans a variety of parts, as they are produced, eliminating the need for transfer to a traditional batch style ultrasonic washer. The in-line ultrasonic cleaning capability allows for continuous product flow from forming or machining to finished product. Both simple and complex shapes are cleaned extremely well without need of the additional time and handling required of traditional cleaning methods.

FOCUSED HIGH INTENSITY DESIGN

The High-Q Type NT 20 kHz Radial transducer maintains the “maximum power” design parameters of all Power Sonics cleaning equipment. With 360 degrees of ultrasonic power, the combined focusing effect provides fast, effective cleaning in a short timeframe.

FULLY INTERLOCKED SYSTEM

The MTS system is as easy to setup as it is to use. With system interlocks, the machine will tell the operator its status. The system can be configured to electronically communicate with other equipment in the processing line, making it an easy fit to your production environment.



STANDARD SYSTEM FEATURES

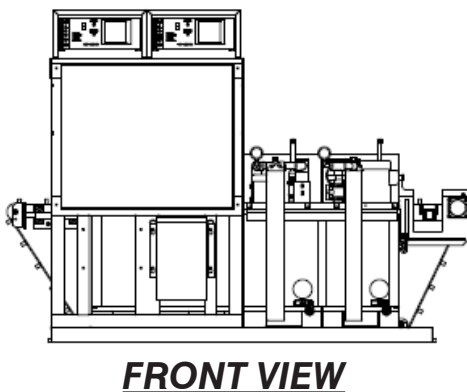
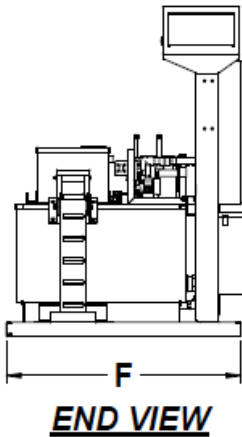
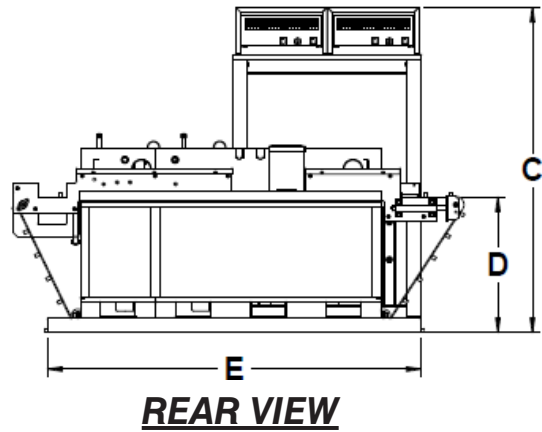
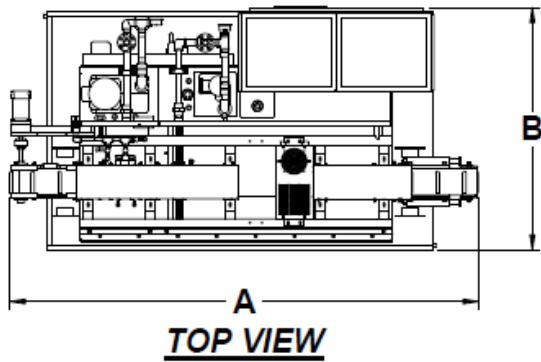
- Electrically heated stainless steel process tanks
- Submersible NT radial transducer
- Wash tank filter, pump, and post wash spray
- Integrated rinse tank reservoir
- Filtered spray rinse section
- Powered stainless steel mesh belt with flights
- GMR ultrasonic generators with self diagnostics
- Transducer liquid level interlock
- Low liquid heater protection
- Digital temperature controller
- Operator controls
- Maintenance access from either side of machine

AVAILABLE OPTIONS

- Special alloy transducer materials
- Entrance air blow off and drain pan
- Various drying configurations
- Solution make-up
- PLC with touch screen controls
- Automatic level control
- Various load and unload configurations

TUNNELSONICS HAS MANY APPLICATIONS

Assemblies	Bearings	Bolts	Caps
Fasteners	Fittings	Nuts	Rods
Screws	Springs	Tubes	Many More



MACHINE DIMENSIONS

MACHINE MODEL		MTS-1K035	MTS-2K035	MTS-2K060	MTS-4K060
Length	A	96.31"	96.31"	96.31"	96.31"
Width	B	49.88"	49.88"	49.88"	49.88"
Height	C	69.10"	79.10"	69.10"	79.10"
Belt Surface Height	D	28.80"	28.80"	28.80"	28.80"
Usable Belt Width		2.00"	2.00"	4.12"	4.12"
Drip Pan Length	E	79.50"	79.50"	79.50"	79.50"
Drip Pan Width	F	49.00"	49.00"	49.00"	49.00"

SERVICE CONNECTIONS

Drain Valve (NPT)	1.00"	1.00"	1.00"	1.00"
Overflow (NPT)	1.00"	1.00"	1.00"	1.00"
Vapor Exhaust (diameter)	4.00"	4.00"	4.00"	4.00"
Water Inlet (NPT)	0.50"	0.50"	0.50"	0.50"

ELECTRICAL SUPPLY

240V/3/60Hz	60A	60A	60A	78A
480V/3/60Hz	29A	29A	29A	39A

GENERAL DATA

Radial Transducer Diameter (I.D.)	3.50"	3.50"	6.00"	6.00"
Tank Wall Thickness (ga.)	#12	#12	#12	#12
Ultrasonic Power Output (Watts)	1000	2000	2000	4000
Wash Volume (gal.)	221	221	221	221
Heater Rating (kW)	12	12	12	12
Rinse Volume (gal.)	36	36	36	36
Heater Rating (kW)	3	3	3	3

NOTE: Not all guards shown

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