

POWERZONE IN-LINE CLEANING SYSTEM



OVERVIEW

The PowerZone In-Line Cleaning system is the most efficient and fastest way to clean continuous product. Designed for cleaning wire, rod, tubing, strip, and extrusions either on or off production line. High power ultrasonic scrubbing action, with relatively mild chemistries, produces exceptionally clean product.

FOCUSED HIGH INTENSITY DESIGN

The High-Q Type SRT 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 machine footprint.

FULLY INTERLOCKED SYSTEM

The PowerZone In-Line Cleaning 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 into your production environment.

COMMON PRODUCTION USES

- After: drawing, forming, extruding
- Before: annealing, cladding, plating, coating

STANDARD SYSTEM FEATURES

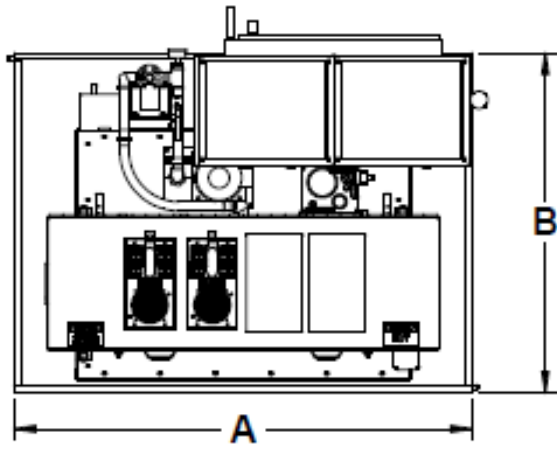
- Electrically heated stainless steel process tanks
- Submersible radial transducer (SRT)
- Wash tank filter and pump
- GMR ultrasonic generators with self diagnostics
- Transducer liquid level interlock
- Low liquid heater protection
- Digital temperature controller
- Operator controls
- Maintenance access from either side of machine

AVAILABLE OPTIONS

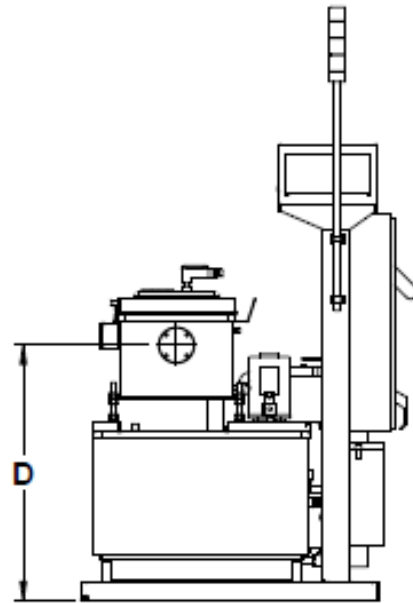
- Special alloy transducer materials
- Entrance air blow off with collection chamber
- Pre-wash and/or post-wash spray
- Integrated rinse tank reservoir
- Filtered spray rinse section
- Various drying configurations
- Solution make-up
- PLC with touch screen controls
- Automatic level control for reservoirs
- Additional spray chambers, air blow offs, heated dryers, etc.

IN-LINE RADIAL HAS MANY APPLICATIONS

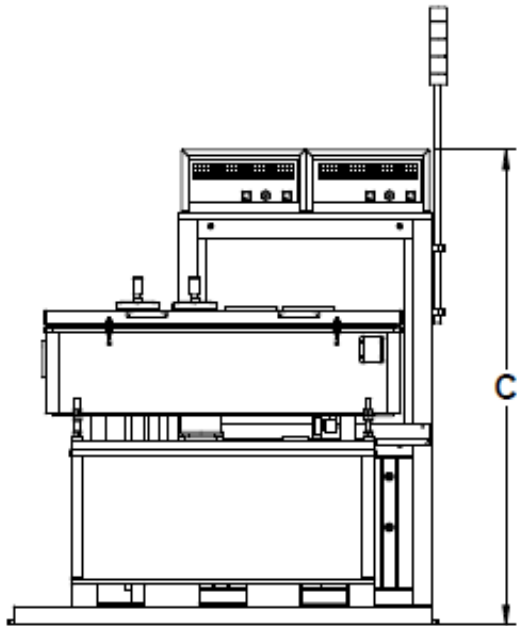
Braided Product	Cable	Extruded Shapes
Hose	Moulding	Rod
Strip	Tubing	Wire



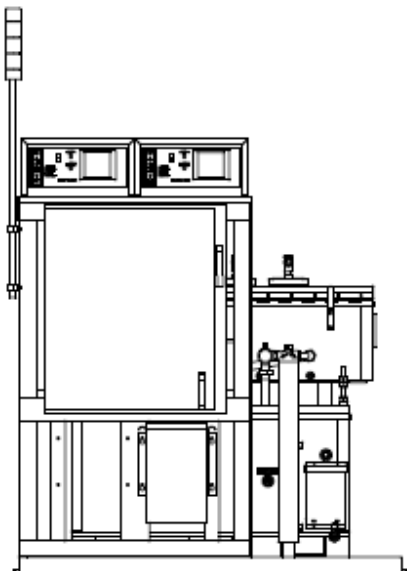
PLAN VIEW



SIDE VIEW



FRONT VIEW



REAR VIEW

MACHINE DIMENSIONS

Length (See Note 1)	A	66.00"
Width	B	49.00"
Height (See Note 2)	C	69.10"
Pass Height (See Note 3)	D	42.00"

SERVICE CONNECTIONS

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

ELECTRICAL SUPPLY (other voltages available):

240V/3/60Hz	1000-3000 Watts	83A
	4000 Watts	104A
480V/3/60Hz	1000-3000 Watts	42A
	4000 Watts	52A

GENERAL DATA

Radial Transducer Diameter (I.D.)	3.00"
Tank Wall Thickness (ga.)	12
Ultrasonic Power Output (Watts per transducer)	1000
Wash Volume (gal.)	125
Heater Rating (kW)	24

NOTES

1. Length increases by 13.50" when optional rinse added.
2. Height increases by 10.00" when more than two transducers are used.
3. Minimum pass height of 40.50". Higher pass heights available.