

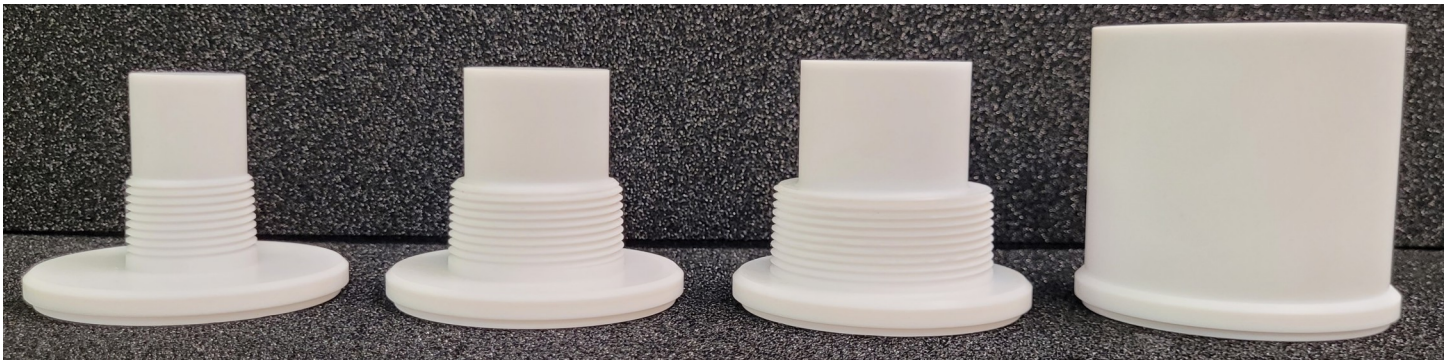
# Custom OEM Ultrasonic Transducers



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Our mission is for our customers to have the best transducers in their systems. If you are unhappy with your current transducers then upgrade to ours. We have the capability of customizing enclosures for our transducers in PVC material and Teflon for high temperatures and corrosion resistance. Examples of applications for detection or measuring levels of Food and Beverages, Chemicals, Oils, Water/ Wastewater, plastic pellets, conveyed materials on a belt, high temperature processed materials....

**Examples of enclosures we are producing.**  
We are open to any custom designs to fit our customers needs.



We have several different transducers for various distances and temperature ranges. We offer enclosure type in PVC(- 40 to 140 °F ) and Teflon (- 40 to 302 °F ). Both types can handle 5 bars of pressure. We also have the capability of having the vibrating transducer face to be made out of 316 stainless for sanitary applications. The stainless steel face can be formed for 1.5 inch or 2” tri-clamp mounting.



## FEATURES OF OUR TRANSDUCERS

- **Very uniform Polar Pattern, no side lobes.**
- **Very uniform near field.**
- **Very Wide frequency Bandwidth that produces uniform Echoes and short ringing.**
- **No Housing influence on Transducer Operation.**
- **No mounting influence on the transducer's ringing.**
- **Self Cleaning Face due to highly active driver.**
- **Made of various materials (PVC, Teflon and SS 316) to cover various applications.**
- **Built-in temperature compensation.**
- **Compact sizing to fit in Tight Places.**
- **Performance in the transmit and receiver modes doesn't depend on the temperature.**
- **No influence of thermal shocks on the transducers materials.**

### TRANSDUCER SPECIFICATIONS

Model #	Range	Frequency	Mounting (can be customized)	Beam Angle
ABM - 45U	0.9 - 50 ft	45 KHz	1" NPT, custom	+/- 5 deg.
ABM - 52U	0.8 - 40 ft	52 KHz	1", 2" NPT, custom	+/- 5 deg.
ABM - 70U	0.7 - 27 ft	70 KHz	1", 2" NPT, custom	+/- 6 deg.
ABM - 81U	0.6 - 16 ft	81 KHz	1", 1.5" NPT, custom	+/- 6 deg.
ABM - 148U	0.4 - 9 ft	148 KHz	1"NPT, custom	+/- 5 deg.

### SANITARY TRANSDUCER SPECIFICATIONS

ABM - 70US	0.7 - 27 ft	70 KHz	2" Tri-clamp	+/- 6 deg.
ABM - 81US	0.6 - 16 ft	81 KHz	1.5" or 2" Tri-clamp	+/- 6 deg.
ABM - 148US	0.4 - 9 ft	148 KHz	1.5" or 2" Tri-clamp	+/- 5 deg.

**Please note that stated range is for liquid's. For dusty solid applications the maximum range is 1/2 the distance.**