



## Ultrasonic transducer information request form

Please fill in what applies or what you know. The more specific information you provide will help us respond to you in a timely manner and meet your request more thoroughly. (\* Indicates a required field.)

\* We do not offer standard products. Is a custom solution acceptable for your needs?      Yes      No

\* Name: \_\_\_\_\_ \* Company Name: \_\_\_\_\_

\* Job Title: \_\_\_\_\_ Address: \_\_\_\_\_

\* City: \_\_\_\_\_ \* State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

\* Country: \_\_\_\_\_ \* Phone: \_\_\_\_\_ - \_\_\_\_\_ \* Mobile: \_\_\_\_\_ - \_\_\_\_\_

\* E-Mail: \_\_\_\_\_ Website: \_\_\_\_\_

Project Name: \_\_\_\_\_

Prototype Quantity: \_\_\_\_\_ Date: \_\_\_\_\_ Production Quantity: \_\_\_\_\_ Date: \_\_\_\_\_

Other personnel involved in the project: \_\_\_\_\_

Estimated Quantity Needed Per Year: \_\_\_\_\_ Target Price: \_\_\_\_\_

\* Is this project funded for commercial development?      Yes      No

## Information about your application

Product Application (i.e., Flowmeter, Level Detection, Down-Hole Caliper, Corrosion detection, HIFU, AIL):

What do you want the transducer to accomplish? (be specific): \_\_\_\_\_

What is the operating medium for the transducer? (steel, water, gas, etc): \_\_\_\_\_

Is this replacing an existing product or system?      Yes      No      If so, what is the current product or system?

Phase of development (Research, Feasibility, Final Development, Production): \_\_\_\_\_

Are there any specific industry, governmental, or safety requirements or approvals that need your end product needs to meet? (RoHS, REACH, ITAR, FDA, NFPA, UL, etc): \_\_\_\_\_

Which requirements will be applicable to the transducer? \_\_\_\_\_

What are your specific packaging requirements? (if applicable): \_\_\_\_\_

Are there any specific materials of manufacture that must be used or cannot be used? (metals, plastics, ceramic types, wire type, etc): \_\_\_\_\_

Are there any specific identification requirements for the product (serialization, color, name part #, etc) that need to be included on the part or on a label? \_\_\_\_\_

Please rank the following characteristics in order of importance: (1 = most important, 6 = least important)

\_\_\_ Signal amplitude

\_\_\_ Bandwidth

\_\_\_ Signal to Noise Ratio

\_\_\_ Cost

\_\_\_ Reliability/Life

\_\_\_ High Temp Performance



## **Performance requirements**

Describe the electrical input for this unit (voltage, signal shape, driver equipment): \_\_\_\_\_

Do you have a preference for a pitch/catch transducer system or a pulse/echo transducer system? If so, why? \_\_\_\_\_

Please indicate any specific requirements related to:

Frequency \_\_\_\_\_ Sensitivity \_\_\_\_\_ Ring down \_\_\_\_\_ Damping: \_\_\_\_\_

What equipment will be reading the output signal? \_\_\_\_\_

What additional electronic processing requirements would you like us to provide with this transducer? (drivers, pulsers, receivers, signal conditioning, data analysis, measurement): \_\_\_\_\_

## **Mechanical requirements**

Diameter: \_\_\_\_\_ Length: \_\_\_\_\_ Focus (if applicable): \_\_\_\_\_

Electrical Connector Type: \_\_\_\_\_ Lead Length: \_\_\_\_\_

Is pressure compensation provided? \_\_\_\_\_

Are there any dimensional or packaging constraints for this unit? \_\_\_\_\_

## **Environmental elements to which the product is exposed**

Operating Pressure: \_\_\_\_\_ Operating Temperature: \_\_\_\_\_

Liquid / Vapor Exposure: \_\_\_\_\_

Acidic / Caustic Exposure: \_\_\_\_\_

Maximum Storage Temperature: \_\_\_\_\_

Other specifications:

Shock: \_\_\_\_\_ Vibration: \_\_\_\_\_ Impact: \_\_\_\_\_

Are there any other parameters or considerations critical to your design? \_\_\_\_\_

## **Additional comments**

Please enter any other comments you feel are needed:

*\*\*Please Note: This will be the guiding document for product development and manufacturing if you have not provided your own specifications. Piezo Technologies will not be liable for unspecified parameters.*