



SEAMLESS

DIAPHRAGM SOLUTIONS

Expertise. Equipment. Capacity.

Precision engineered metal diaphragms for
mechanical seals and edge welded bellows



www.HudsonDiaphragm.com



SEAMLESS DIAPHRAGM SOLUTIONS

Precision Metal Diaphragms

A stand alone manufacturer of flat and corrugated metal diaphragms (rings and solids) used in applications such as mechanical seals, edge welded bellows and pressure transducers. Hudson Technologies has the expertise, equipment, quality, flexibility and capacity you need to cost effectively meet demand and expand product lines.

- From one piece to high volume production. Quick change tooling allows for efficient production of multiple products at varying quantities and reduced lead times.
- Large in-house tool room with multi-shift staff of highly skilled tool makers.
- Green manufacturing process produces no hazardous waste. Oil-free materials and production eliminates the need for post process cleaning.
- Kanban, dock-to-dock, custom packaging solutions and more.
- Engineering design assistance, Program Management, Lean and Six Sigma.
- Quality inspection: Outer and inner dimensions measured on CMM or Smart Scope. Thickness and burr measured with micrometers. Ripple form controlled by the die, measured with Laser Smart Scope.

Most Economical: Metal-to-Rubber Production

Quick change tooling allows for efficient production of multiple products at varying quantities and reduced lead times.

Best Value: Metal-to-Metal Production

Provides a robust tool that will perform for many years - even with long term, high volume production. While initial tooling costs are higher, Metal-to-Metal tooling provides a lower production piece price along with the highest precision possible.

To request a quote or contact an engineer:

www.HudsonDiaphragm.com • Toll Free (866) 241-4448 • sales@hudsontool.com

Range of Sizes:

Diameter: 0.200 - 18.00"
Material Thickness: 0.001 - 0.018"

Equipment:

Hydraulic presses: 150-500 tons (metal-to-rubber)
OBI presses: 60-75 tons (metal-to-metal)

ISO Certification:

ISO 9001:2008
ISO 13485:2003
ISO 14001:2004

Materials:

Large in-house inventory. Stainless Steel (grades 304, 316L, 304L and 317). Inconel (grades 718 and 625). Haynes 242. Hastelloy. Titanium (grades 1 and 2). Monel, 17-7 PH and other exotic metals. Other materials available upon request.



When your technology depends on a precision metal enclosure or diaphragm, depend on Hudson Technologies

Automotive • Aviation • Aerospace • Commercial Battery • Implantable Medical Devices
Irrigation • Relay Cases • Semi-conductor • Mechanical Seals • Edge Welded Bellows

