



Curved double-diaphragm tool

This tool is used to bond decorative Tedlar to interior aircraft panels. The curvature more closely matches the contour of the parts and puts less stress on them. Plumbing in the lower diaphragm and a high-flow ball valve allows the operator to apply vacuum or vent the tool within seconds.



Large tool with Interflow™ diaphragms

Interflow™ silicone rubber diaphragms have a breather grid molded into the surface. Interflow double-diaphragm tools are used extensively in the glass industry for laminating prison and other types of armored glass. Interflow is available translucent and opaque gray in 3 different compounds.



Double-diaphragm tools for sensitive electronics

Torr has a number of customers using double-diaphragm tools with conductive (ESD-safe) coatings applied to the diaphragm for bonding electronic components. Most of these tools use our Interflow™ breather-pattern silicone rubber to eliminate breather. Tools can be made to any size.



Double-diaphragm tool for autoclave processing of curved parts

Many times you have thin, curved molds or parts that you're forming or bonding. The extended base on this tool allows the loose lower diaphragm and loose upper diaphragm to conform to the part and impart less stress than a typical flat diaphragm tool. Parts are supported by padded crossbraces.



Stacking tool maximizes autoclave and oven space

These 5 double-diaphragm tools stack onto a lower cart. The operator connects all 5 to a common manifold on the cart. Tools have receptacles and legs for stacking and tabs around the edges to keep the assembly aligned. Process temperatures and pressures can exceed 400°F and 200 psi.