



Toroidal inflatables for tiered pressure application

This is a set of incrementally-sized bladders installed in a fixture and used to apply bonding pressure to a conical part. Various compounds and thicknesses of silicone rubber can be used to tailor the inflatable to the part and process. The inflation stems are Torr's own design, being fully threaded for locking to a plate and having a 1/4 male JIC connection on the end.

TORR



Examples of size extremes

Upper photo shows a very small inflatable used to manufacture a carbon fiber part. Lower photo shows a large, low-modulus bladder used to mold hot Nomex honeycomb core onto a variety of form sizes and shapes.

TORR



TORR



Inflatables with metal fixtures

Many of the inflatables Torr makes are placed into housings and used to bond prepregs and thermoplastic parts. Note the pressure relief valve in lower photo.