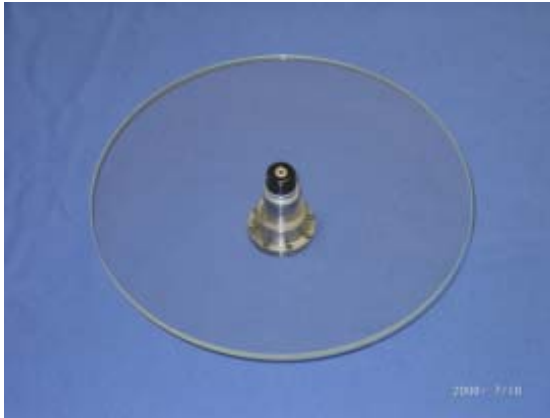


Chuck Options

The choice of chucks to properly hold the part under test can have a significant impact on the test to be performed. THôT Technologies highly recommends that, for engineering applications and studies, the chuck be as closely representative to the final application as practical. To meet that need, THôT Technologies offers custom designs.

The design of the various models of THôT testers incorporates a “stop-block”. This device interlocks the chuck size and maximum carriage travel and prevents the laser probes from striking the spindle. All chucks supplied by THôT Technologies include the stop-block interlock assembly.



Standard Production Chucks:

(At Left): Elastomer chuck with 25mm ID holding a 304.8mm DWDM filter substrate.

Elastomer chucks. These chucks have expanding elastomer clamps that grip the disk from the center and top. These are industry standard chucks. These chucks should not be used with any defect analysis station such as Model 4224M or Model 4240M. These chucks may interfere with the microscope objective lenses.

Vacuum chucks. These chucks have a vacuum groove in the disk seating area. A venturi type vacuum generator is built into the tester. Gripping strength of these chucks is not as great as elastomer chucks and spindle accelerations may be slower to insure that the disk does not slip. Standard sizes include 5mm, 7mm, 10mm, 12mm, 20mm, 25mm and 40mm diameter.

Special Chuck Configurations:

(At Right): Wafer vacuum chuck with clear glass 100mm substrate.

THôT Technologies will quote special designs and configurations. Currently available special configurations include: 15mm diameter solid clamp CD/DVD chucks, 20 mm and 25mm diameter spacer ring solid clamp disk chucks, vacuum plate chucks and wafer chucks with appropriate flats and notches in all standard configurations.



THôT Technologies, Inc

271 East Hacienda Avenue, Campbell, California 95008

Tel: +1-408-370-4600 / Fax: +1-408-370-4609 / www.thot-tech.com