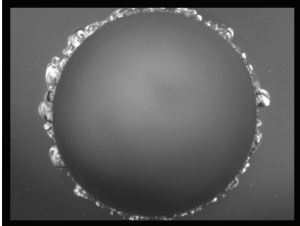


Glass & Substrate  
Machining

Drilling  
Dicing  
Cutting

DIVISION OF HTA ENTERPRISES

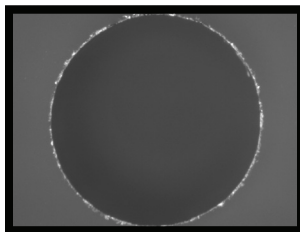
1605 Remuda Lane, San Jose, CA 95112, (408) 452-5500



#### COARSE DRILLING

Low cost drilling where chipping out of the edges is not an issue.

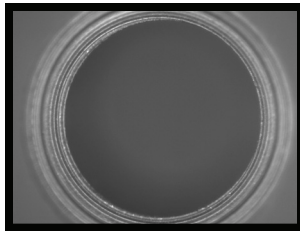
1.82 MM HOLE



#### FINE DRILLING

Low chippage drilling where chipping reduction is required.

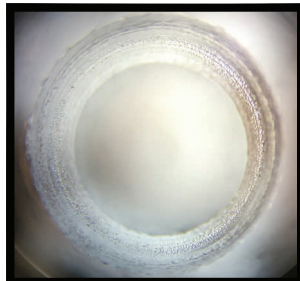
1.82 MM HOLE



#### FINE DRILLING WITH TAPER

Low chippage drilling with a taper at the entrance of the hole is needed

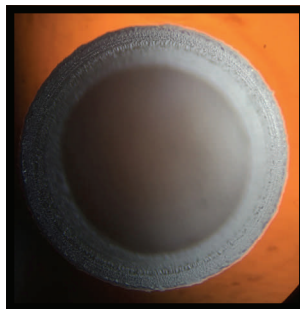
1.82 MM HOLE



#### FINE DRILLING WITH TAPER AND POLISH

Low chippage drillin, tapering and a polish to smooth out the roughness  
Caused by the drilling process.

1.82 MM HOLE



#### CHROME PHOTOMASK WITH FINE DRILLING, TAPER AND POLISH 1.82 MM HOLE

Custom drilling and tapering on Photomask products.

HTA PHOTOMASK SPECIALTY OF MANUFACTURING OPTICAL COMPONENTS THAT  
HAVE BEEN MACHINED, CUT OR DRILLED IS AVAILABLE IN LOW OR HIGH VOLUMES.  
PATTERN RESOLUTION TO THE SUBMICRON LEVELS AND DRILLING DOWN TO 1MM.  
(SUB 1MM DRILLING TECHNIQUES ARE CURRENTLY IN THE DEVELOPMENT STAGE).