

Laser Micromachining Applications Card

Thin vitreous materials are excellent specimen holders for use in x-ray diffraction studies. These materials do not have crystalline form and so do not create x-ray diffraction patterns that interfere with true specimen readings.

Precision machining of the delicate structures required in vitreous materials like glassy carbon is achieved by laser micromachining using a short pulsed laser, for clean, damage free cutting with exceptional tolerances.

OpTek's extensive laser processing facilities and laser processing experience allows us to tailor a process to the specific needs of the application and materials, while delivering exceptional precision and features down to a few microns.



Laser Micro-Cutting – Glassy carbon x-ray sample target