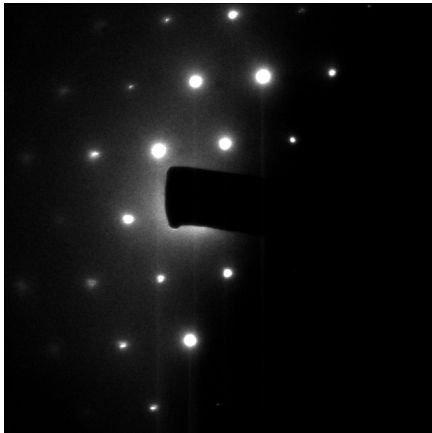


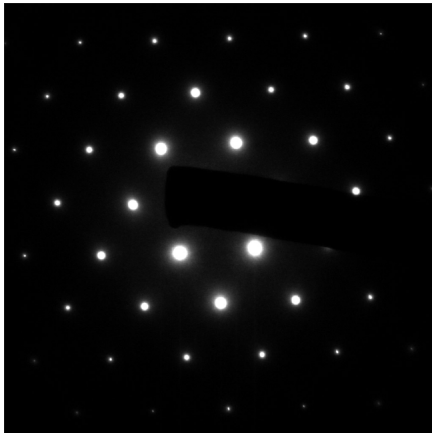


TILT ROTATE (ALPHA-GAMMA) TEM HOLDER

■ **MODEL #: TR-1128**



Si 101 zone axis pattern, taken at -56.65 degrees of alpha tilt.



Si 110 Zone axis pattern, take at +2.04 degrees of alpha tilt.

Hummingbird Scientific's Tilt-Rotate TEM holder provides the ability to precisely and continuously rotate a specimen through 360° of gamma rotation while still allowing up to ±60° of goniometer alpha rotation. Positional feedback is also provided with sample positioning in gamma repeatable to less than .01 degrees. There is no measurable backlash in the TEM.

The combination of large alpha range and extraordinarily precise gamma rotation greatly simplifies the process of aligning your sample for high-resolution imaging, diffraction contrast imaging or diffraction work. No beta-tilt is needed.

SPECIFICATIONS:

Alpha rotation:	±60°
Gamma Rotation	360°
Gamma Step Size	<0.01°

