

**POSITION  
MONITORS**

**DOWN TO 25  
NANOMETER  
RESOLUTION**

**<0.1 PICOAMP  
OF DARK NOISE**

## **UNIQUE FEATURES:**

- Manufactured with Type IIa single crystal diamonds—displaying linear response over 11 orders of magnitude
- 100x less noise than others diamond-based monitors
- >25 nm resolution vs. 100  $\mu\text{m}$  resolution from other diamond-based monitors
- Position resolution is 0.1% of beam diameter

Sydor provides a reliable and low-maintenance solution for continuous in-situ beam tracking. The monitors can be used over a wide spectral range, and are available for monochromatic, pink, and white x-ray beams.

As a US-supplier of made-to-order monitors, customized to each beamline's needs, Sydor is the go-to source for beam monitoring solutions.

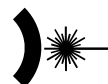
Beamline upgrades are only beneficial if your beam is in the desired location. Paired with Sydor's readout electronics, scientists and visiting users will no longer need to worry about beam drift.

Let Sydor outfit your beamline with these easy-to-use and time-saving devices today.

## **IMAGING AND MEASUREMENT SOLUTIONS FOR MODERN SYNCHROTRONS**



**X-Ray Detectors,  
Streak Cameras,  
& Framing Cameras**



**Beam Intensity,  
Position, & Profile  
Monitors**

