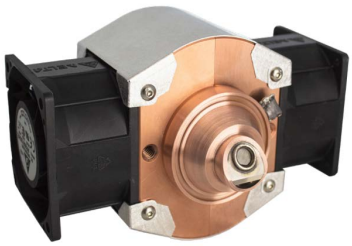
# HPC150®

150W cone beam source



TUB00184 HPC150® 150W 60 kV cone beam

MOXTEK HPC150® X-ray source is designed to be used in XRF and imaging applications. The tube is air-cooled and the cooling can be adapted to meet specific needs. The push/pull configuration makes it easy to direct the warm air outward. For XRF applications the cone is designed for a vacuum seal at its base. The HPC150® tube incorporates radiation shielding.

## Applications

- X-ray imaging (CT), fluorescence (XRF) and diffraction (XRD)
- Industrial and laboratory X-ray applications
- Metal and alloy sorting
- Thickness gaging
- Medical and small animal imaging
- Security and radiographic inspection
- Food inspection
- Art and archaeometry

| MECHANICAL SPECIFICATIONS |
|---|
| Tube type: metal-ceramic |
| Operating temperature: -10°C to +50°C |
| Storage temperature: -20°C to +60°C |
| Cooling: filtered air 1400 Lpm (STP) |
| Weight: ~2.5 kg (depends on custom fan configuration) |

| TECHNICAL SPECIFICATIONS |
|---|
| Available targets: Ag, Cr, Cu, Mo, Rh, W (equipped with Be window) |
| HV polarity: grounded anode |
| High voltage: 10 kV to 60 kV |
| Beam current: up to 5 mA (long life performance) |
| Maximum power: 150 W (continuous) |
| Focal spot: up to 1.0 mm x 1.0 mm |
| Cone angle: 45° |
| Fan operating voltage: 12 V or 24 V |
| Average lifetime: 1 year of typical usage |

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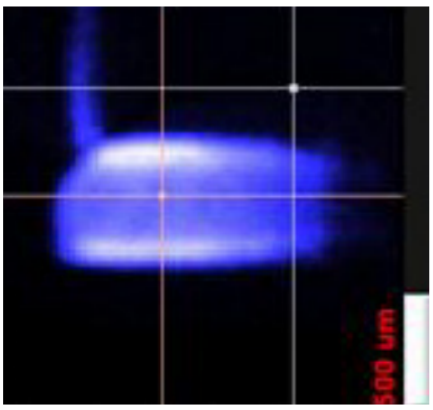
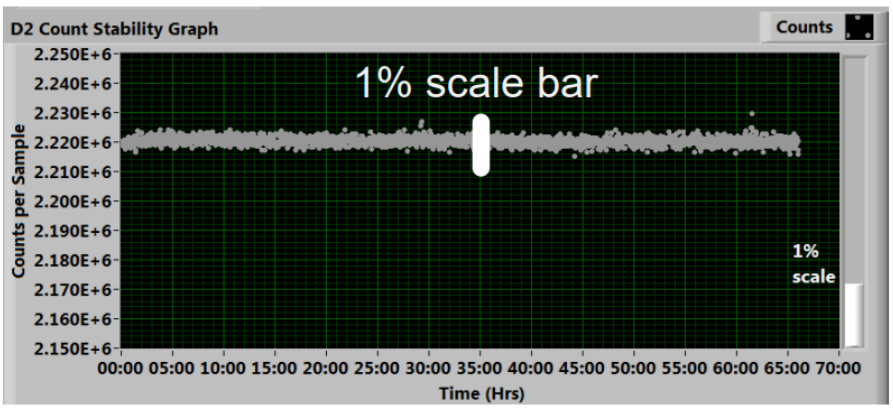
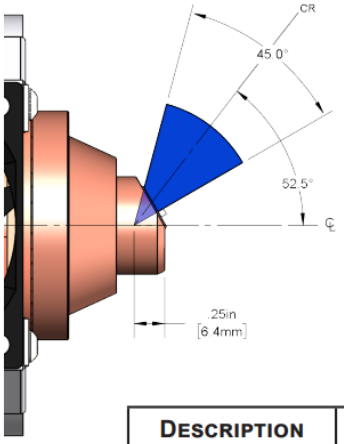
## HPC150® X-RAY CHARACTERISTICS

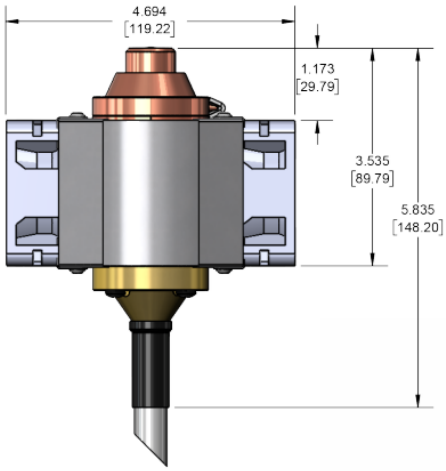


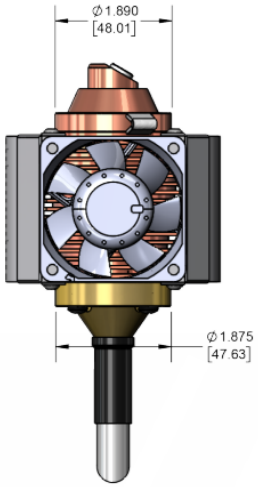


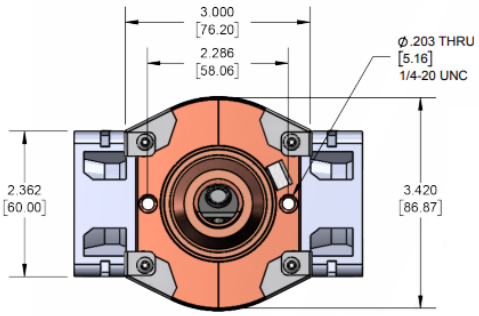

## HPC150® MECHANICAL DRAWINGS




| DESCRIPTION | ANGLE |
|---|---|
| Cone Angle | 45° |
| Center Line to Central Ray Angle | 52.5° |

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