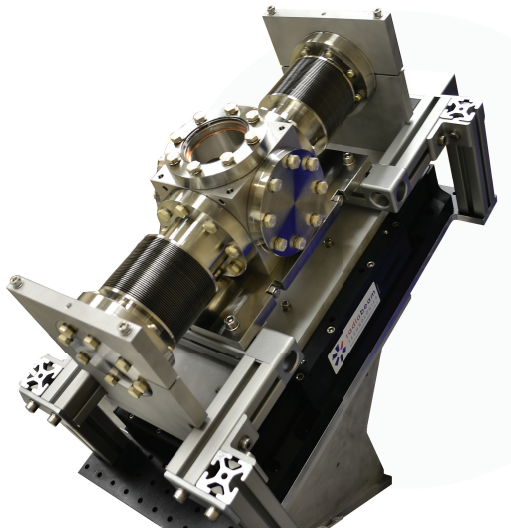


Wire Scanner



Beam-clear diameter	25 mm
Scan time	<1 min, 3 axes
Encoder resolution	0.5 μm
Wire diameter	25 μm , 10 μm available
Wire material	W, SiC, C
System resolution	<10 microns
Drive mechanism	Servo or linear motor
Flanges	4.5"CF, 2.75"CF available

RadiaBeam introduces a wire scanner designed for high brightness applications. Unlike screen monitors, wire scanners are immune from Coherent OTR effects while maintaining a resolution below 10 microns.

The scanner itself consists of three 25-micron tungsten wires oriented horizontally, vertically, and diagonally. Each wire is moved through the beam, generating bremsstrahlung radiation that is detected downstream by a beam loss monitor. Correlation of bremsstrahlung intensity and wire position results in a plot of beam intensity vs. X-, Y-, and U- (45° diagonal).

FEATURES

- Designed for high-brightness beams
- Large range of beam sizes (up to 25 mm)
- Short scan time
- Easy control over ethernet
- Remote monitoring of wire integrity

RELATED PRODUCTS

View the datasheets for our Transverse Profile Monitor (TPM) and Beam Profile Screens to learn more about our transverse diagnostics products.



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Other options are available upon request. Please contact us or visit our website for purchasing information.