

Access to the Source

The Axxent[®] Electronic Brachytherapy System[®] is a leading-edge technology that utilizes a proprietary miniaturized X-ray source to apply radiation directly to a tumor bed within the body. The Axxent X-ray Source delivers high-dose rate, low energy radiation treatment without the use of radioactive isotopes. The Axxent Source mimics certain characteristics of the most common HDR brachytherapy isotope, ¹⁹²Ir, but the low energy of the Axxent Source enables the procedure to be done in a minimally shielded setting under the supervision of a radiation oncologist.

- Creates greater access to treatment facilities by not requiring a shielded room for use.
- Medical personnel can be present in room during treatment, providing patient comfort and well being.
- Radiation is emitted only during treatment when the X-ray source is turned on.
- Radiation is emitted at a low energy and high-dose rate, providing coverage to the target area, while providing sharper dose fall-off than conventional isotopes.
- Radiation is attenuated beyond the area under the Axxent FlexiShield[®] protecting other parts of the body.
- Source is designed for single patient use of 10 fractions.
- Source voltage and current can be modulated, permitting Intensity Modulated Brachytherapy (Xoft IMBT[™]) in future applications.



Axxent HDR X-ray Source

Axxent HDR X-ray Source 2.2 Specifications		Part Number
Axxent HDR X-ray Source		S7500
X-ray Tube Diameter	2.25 mm	
Assembly Length	250 mm	
Assembly Diameter	5.4 mm	
X-ray Source Power	15 watts	
Typical Treatment Time	10 min	
Maximum Number of Treatments per X-ray Source	10	
Source Includes		
Integral water cooling sheath		
Low-force high-voltage connector		
Flexible high-voltage cable		
Nominal Dose Rate		
0.6 Gy/min @ 3 cm in water		

About Xoft

Xoft, Inc. is a privately-held medical device company developing and commercializing revolutionary miniaturized electronic brachytherapy technology. The Company is dedicated to improving patients' lives by providing high quality, innovative, safe and effective medical products for use in radiation oncology applications.

For more information, visit www.xoftinc.com

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