

The Latest Breakthrough in Radiation Therapy

Innovative technology for treatment of non-melanoma skin cancer

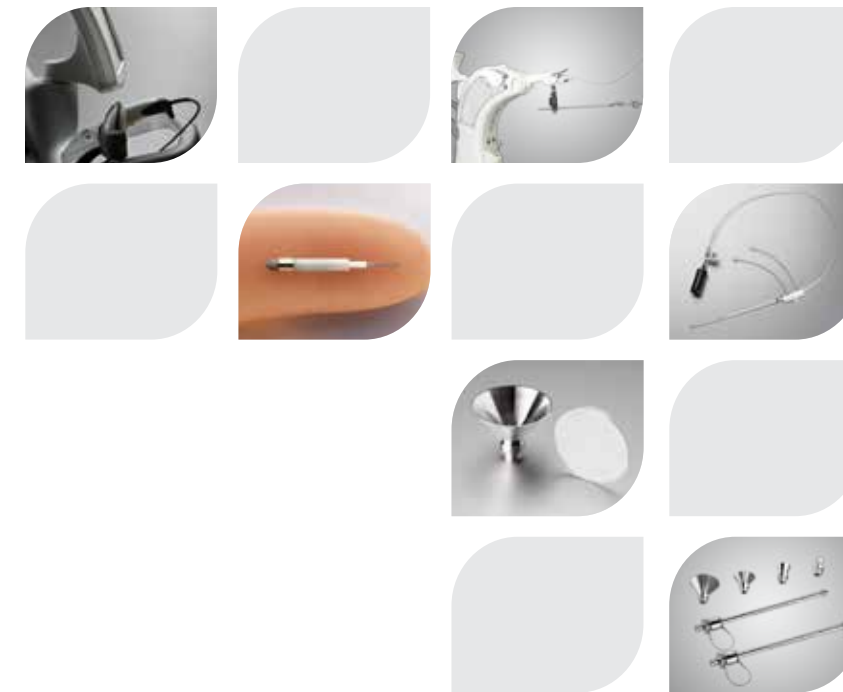
Axxent® SPX



Axxent SPX Controller Specifications		Part Number
Axxent SPX Controller		SXP1100
High Voltage Output	50 kV (selectable)	
Beam Current	300 µA	
Dimensions		
Height	52 in (133 cm)	
Width	21 in (53 cm)	
Depth	31 in (79 cm)	
Weight	202 lb (92 kg)	
Maximum Inclination	10 degrees	
Power Specifications		
Line Power	100-120 V~, 220-240 V~, 150 VA	
Ion Calibration Chamber		
Manufacturer/Model	Standard Imaging/HDR 1000 Plus	
Electrometer		
Manufacturer/Model	Standard Imaging/Max 4000	

Axxent Surface Applicator Sets – Specifications		Part Number
Surface Applicator Set (includes 4 applicators, 10 each size end caps, 2 source channels, 10 silicone gaskets, Exradin A20 Ion Chamber, applicator calibration fixtures)		SK1000
Surface Applicator Set with Elmed Clamp		SK1001
Accessories – Specifications		Part Number
Surface Applicator – diameter 10 mm		SK1010
Surface Applicator – diameter 20 mm		SK1020
Surface Applicator – diameter 35 mm		SK1035
Surface Applicator – diameter 50 mm		SK1050
Integral Tuohy-Borst Source Channel – length 190 mm		SK2050
Tuohy Borst Adaptor		SK3010
End Cap – diameter 10 mm		SK3510
End Cap – diameter 20 mm		SK3520
End Cap – diameter 35 mm		SK3535
End Cap – diameter 50 mm		SK3550

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	
Source Includes		
<ul style="list-style-type: none"> • Integral water cooling sheath • Low-force high-voltage connector • Flexible high-voltage cable 		
Nominal Dose Rate	0.6 Gy/min @ 3 cm in water	



For more information, visit www.xoftinc.com



101 Nicholson Lane San Jose, CA 95134 • 408.493.1500 • 877.963.8327 • Fax 866.222.3404

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Xoft Axxent Electronic Brachytherapy System



Advanced Radiation Therapy

Electronic brachytherapy (eBx[®]) is an innovative method of delivering radiation therapy that addresses many of the challenges associated with conventional radiation therapy techniques. Unlike conventional radiation therapy, the Xoft eBx System does not use radioactive isotopes, require heavy shielding, or major capital equipment investment.

Xoft Electronic Brachytherapy Benefits	
Faster dose fall off minimizes dose to normal, healthy tissue	Ideal for challenging anatomic locations
Unique, isotope-free radiation source with low energy profile	Painless, non-invasive option for select patients
Mobile and easily transported	Clinically-proven safe and effective; provides a good alternative to surgical excision of NMSC

Growing Need for Treatment Options

More than 3.5 million cases of non-melanoma skin cancer (NMSC) in the form of basal cell carcinoma (BCC) and squamous cell carcinoma (SCC) are diagnosed in the United States each year¹. The majority of BCC and SCC lesions are located on sun-exposed areas like the face, head, neck and extremities. NMSC lesions in these locations may present challenges with cosmetic outcomes or wound healing. Xoft eBx offers these patients a painless, non-invasive alternate to surgical excision and other treatment modalities. Xoft eBx is also ideal for non-surgical candidates such as those with co-morbidities or those who may be on anti-coagulants.

Other skin indications such as keloids are also suitable for surface brachytherapy treatment.

Product Overview



Axxent X-ray Source



Axxent Surface Applicators



Axxent FlexiShield



Axxent Surface Applicator Kit

Optimized for Small Scale Treatment Rooms

The SPX controller features an updated design developed specifically for clinical practices that are conducting surface eBx treatments. The SPX controller provides clinicians with improved scalability to treat NMSC lesions in a broader range of treatment environments. The technology is also designed for improved patient positioning and comfort while making it easier to target treatment with maximum precision. The SPX controller features:

- » A streamlined design that accommodates smaller treatment rooms
- » Enhanced configuration options that provide greater flexibility in patient positioning and better access to challenging anatomic locations
- » Bar code scanning mechanism to improve workflow efficiency and enhanced HIPAA compliance

Xoft Skin eBx - Comprehensive End-to-End Solution

For practices interested in implementing skin electronic brachytherapy, Xoft offers a scalable and modular program that brings together all the components necessary to perform skin eBx treatments into one comprehensive program. Comprised of:

Hardware

Software

Management Services

Support

Xoft Skin eBx provides clinical practices with state-of-the-art technology, expert clinical guidance, and unparalleled customer support.

Clinical Evidence Supporting eBx

Xoft is the only FDA cleared electronic brachytherapy system that has been used to treat over 6,000 NMSC patients and is supported by positive clinical data. Since July 2009, Dr. Ajay Bhatnagar, Radiation Oncologist at Cancer Treatment Services of America in Casa Grande, AZ has been conducting a clinical study on NMSC patients treated with the Xoft System: "Electronic Brachytherapy for the Treatment of Nonmelanoma Skin Cancer." The objective of this study is to assess adverse effects, cosmesis and recurrence rates following high dose rate (HDR) electronic brachytherapy for the treatment of non-melanoma skin cancer.



187 patients with 275 lesions were treated with Electronic High Dose Rate Brachytherapy using surface applicator to a dose of 40 Gy in 8 fractions, delivered twice weekly with minimum of 48 hour interval. A 10-50mm surface applicator was selected to allow for complete coverage of target lesion with acceptable margin.²

After a period of three years, clinical results indicated that "treatment of non-melanoma skin cancer with HDR electronic brachytherapy using surface applicators was effective" and " provides a convenient non-surgical treatment option for non-melanoma skin cancer patients."²

Positive clinical data for eBx continues to grow as multiple clinicians have studies, abstracts and publications in process.

1. Perera E and Sinclair R (2013) An estimation of the prevalence of nonmelanoma skin cancer in the U.S. [v1; ref status: indexed, <http://f1000r.es/z9j>] F1000Research 2013, 2:107 (doi: 10.12688/f1000research.2-107.v1)
 2. Bhatnagar A. Electronic Brachytherapy for the Treatment of Nonmelanoma Skin Cancer: Results at 3 Years. Int J Radiat Oncol Biol Phys 2013;87:S65.