I-Beam Power Supplies

Integrating all RF, DC, and RFN power and control into a single 19-inch rack mount unit, the I-Beam 700 series Power Supply was a revolution when it was first released in 2009. The I-Beam 701 is used in systems where a separate RF generator is required. The I-Beam 703, which has its own RF generator, is the standard in the field for performance, quality, and backward compatibility. We have designed these power

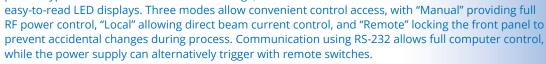
providing workhorses as drop-in replacements for aging Ion Tech RF2000-series supplies. The I-Beam series has rugged output capabilities while using the same communications protocols and connectors, and can therefore keep older systems running.

The I-Beam 703 is also capable of meeting the newest system requirements, offering a standard 600mA configuration, an 800mA option when paired with a Plasma Process Group ion source, and even a 1000mA version that uses a separate RF Generator.

The I-Beam 702 offers stand-alone RF Neutralization for any system using an ion source. This option allows the elimination of the filament or hollow-cathode based neutralizers, making the incredibly low-maintenance, high-performance capabilities of the RFN available.

All four supplies are equipped with front panel keypads for direct user control with large,

DELIGNIC & ACCESSORIES





IS Beam Supply Accelerator Supply RF Discharge	1500VDC, 600mA – 1500mA 1000VDC, 50mA 500W maximum,	I-Beam 701, 703, 704 I-Beam 701, 703, 704
Accelerator Supply	1000VDC, 50mA	
	· · · · · · · · · · · · · · · · · · ·	I-Beam 701, 703, 704
RF Discharge	500W maximum	
	built-in RF Generator	I-Beam 703
RF Generator for RFN	100W	I-Beam 701, 702, 703, 704
Keeper for RFN	60V, 300mA	I-Beam 701, 702, 703, 704
RFN Emission	120V, up to 1750mA	I-Beam 701, 702, 703, 704
Source	4-pin industry standard: 97-3102A-18-4S Mil Spec	
Neutralizer	5-pin industry standard: 97-310	2A-14S-5S Mil Spec
Communications	RS-232, DB-9 female	
Interlock / Remote Switch	DB-9 female	
Matching Network	DB-9 female	
208 VAC, 50/60 Hz,16A, single-phase		
Forced air		
Mounting	19" rack mount, 4U height	
Size (w x h x d)	19" x 7" x 20" (483mm x 178mm	x 508mm)
Weight	51 lbs (23.1kg)	
I-Beam 701	RF Source Supply / Separate RF Generator	CE Certified, RoHS Compliant
I-Beam 702	RFN Stand-Alone Supply	CE Certified, RoHS Compliant
I-Beam 703	RF Source / RFN Supply	CE Certified, RoHS Compliant
	Keeper for RFN RFN Emission Source Neutralizer Communications Interlock / Remote Switch Matching Network 208 VAC, 50/60 Hz, 16A, sing Forced air Mounting Size (w x h x d) Weight I-Beam 701	Keeper for RFN RFN Emission 120V, up to 1750mA 30urce 4-pin industry standard: 97-310 Neutralizer 5-pin industry standard: 97-310 Responding Network 208 VAC, 50/60 Hz, 16A, single-phase Forced air Mounting 19" rack mount, 4U height Size (w x h x d) 19" x 7" x 20" (483mm x 178mm Weight 51 lbs (23.1kg) RF Source Supply / Separate RF Generator I-Beam 702 RFN Stand-Alone Supply

OPTIONS & ACCESSORIES			
Power Supply	IBEAM-701	RF source power supply for separate RF generator	
	IBEAM-702	RFN Stand-alone power supply	
	IBEAM-703	RF source power supply with built-in RF generator	
RF Matching	505914xx	Source RF Includes Matching Network & Controller	
Cable Kits	505752A	I-Beam 703 Cable Kit with beam, RFN and RF cables	
	507128A	I-Beam 701/703 Cable Kit for use with 1kW RF Generator	
Adapter Box	IBOX-104	Adapts connections to an Ion-Tech style configuration	