



ROTARY MAGNETRON SPUTTER CATHODE

High Performance Industrial Design

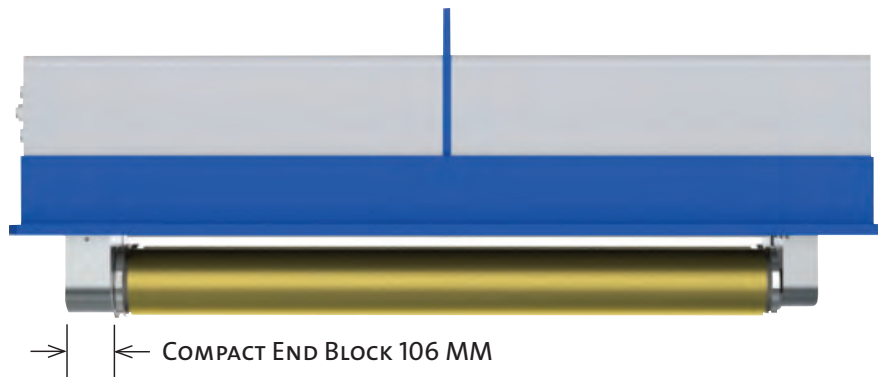
- **NO LIP SEALS**
- **CERAMIC ROTARY WATER SEAL**
- **RUGGED, LOW MAINTENANCE**
- **24-MONTH LIMITED WARRANTY**

www.generalplasma.com

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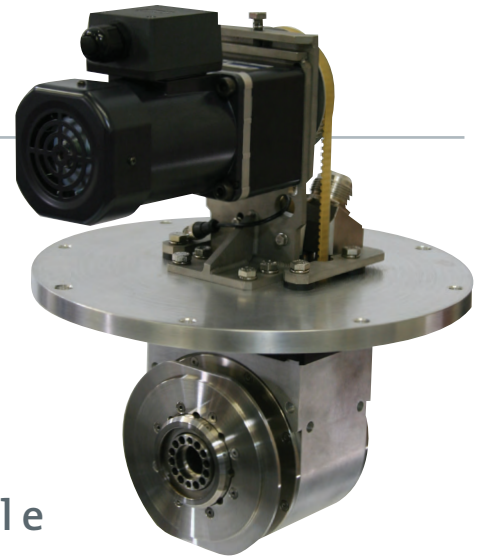
General Plasma Introduces an Improved Rotary Magnetron Cathode*

* Patents Pending

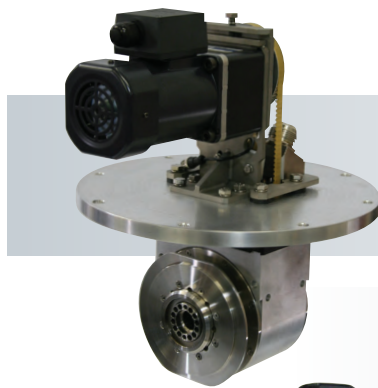


Leak Free Vacuum and Water Seals

- FERRO FLUID VACUUM SEAL
- INDEPENDENT OVERSIZED SUPPORT BEARINGS
- CERAMIC ROTARY WATER SEAL

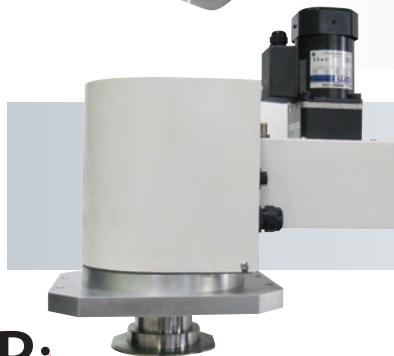


3 End Block Configurations Available



COMPACT END BLOCK

- Maximize Target Length in Chamber <2m
- Retrofit for Planar Magnetrons



STANDARD END BLOCK

- Target Tube Length >3 m
- Retrofittable to Existing Glass Coaters



EXTERNAL END BLOCK

- Components External to Vacuum
- Vertical or Horizontal Installation

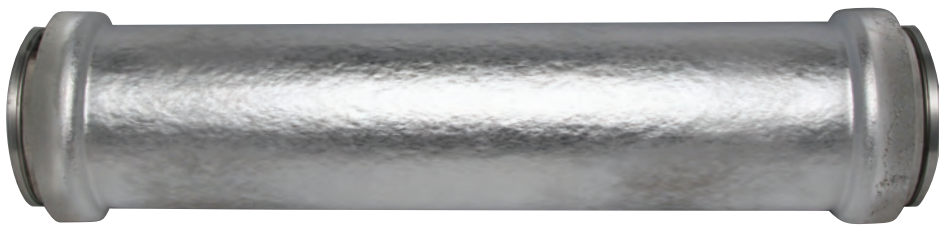


GENERAL PLASMA INC.™

Advanced Magnetic Bar Design



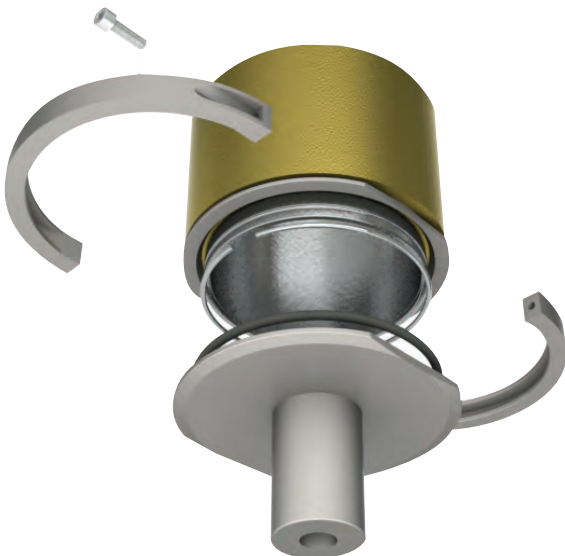
- **FOCUSED FIELD MAGNETICS IMPROVES DEPOSITION EFFICIENCY**
- **STIFF, HIGH QUALITY DESIGN**
- **SPUTTERING OF MAGNETIC MATERIALS ALSO POSSIBLE**



Target Tube

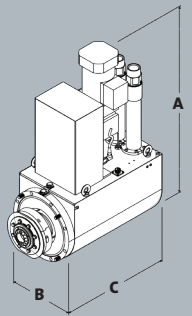
- **>80% TARGET UTILIZATION**
- **NO DOG-BONING NECESSARY**
- **EXCELLENT DEPOSITION UNIFORMITY \pm 3%**

Robust Target Tube End Seal Design

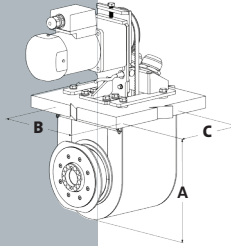


- **NON-PROPRIETARY DESIGN – BACKING TUBE FABRICATION DRAWING SUPPLIED**
- **HIGH INTEGRITY VACUUM SEAL**
- **ADAPTER KITS AVAILABLE FOR EXISTING TARGET TUBES**

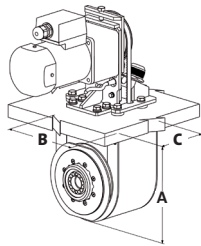
END BLOCKS



EXTERNAL END BLOCK



STANDARD END BLOCK

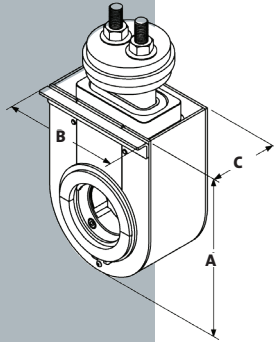


COMPACT END BLOCK

ROTARY MAGNETRON END BLOCK SELECTION

	EXTERNAL	STANDARD	COMPACT
HEIGHT (A)	645 MM	311 MM	194 MM
WIDTH (B)	236 MM	200 MM	160 MM
LENGTH (C)	400 MM	204 MM	122 MM
WEIGHT	(57 KG)	(56 KG)	(32.5 KG)

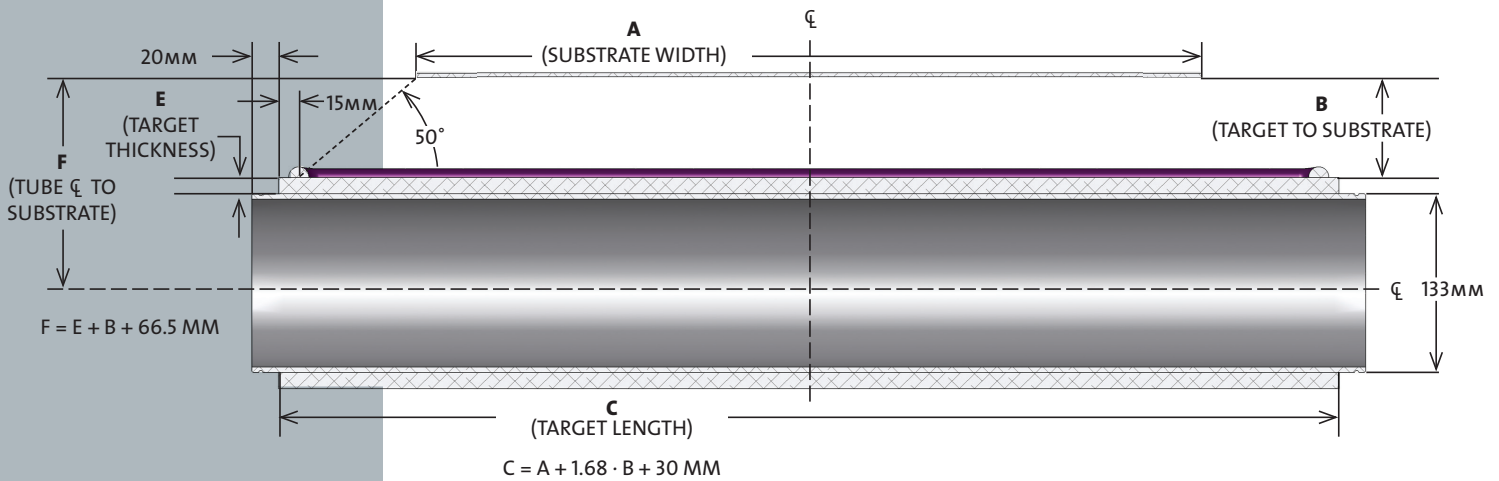
END SUPPORTS



END SUPPORTS (REQUIRED FOR >1 M)

	STANDARD END SUPPORT	COMPACT END SUPPORT
HEIGHT (A)	264 MM	192 MM
WIDTH (B)	141 MM	141 MM
LENGTH (C)	150 MM	120 MM
WEIGHT	(11 KG)	(7 KG)

MAGNET BAR (Specify target length, 50 - 370 cm (19.7" - 145.7") in 5 cm (2") increments)



END CAP KIT (Required)

INCLUDES END CAPS, CLAMPS AND SEALS FOR BOTH ENDS OF TARGET TUBE

MAGNETRON OPTIONS

- BARE TARGET TUBE (SPECIFY TARGET LENGTH)
- OTHER CUSTOM OPTIONS AVAILABLE

FOR INQUIRIES, PLEASE CONTACT:



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All dimensions are approximate and subject to change

General Plasma is an innovation leader in vacuum thin film coating. GPI's patented and patent pending plasma inventions provide superior performance for applications such as solar energy, architectural glass, data storage and scientific research.

Contact GPI for your ion source and sputter magnetron solutions today!