RAM-Bar™ Magnetics

The Remotely Adjustable Magnet Bar allows operators to fine tune the distance between the magnetics and the target surface from outside the system and during operation.

Features

- Self-contained system that uses fiber optics for control
- Compatible with SCI magnet bars
- Two modes of operation including precision uniformity adjustment and constant plasma impedance
- Allows for up to 4 mm vertical difference between adjustment locations
- Robust industrial communication via Ethernet gateway
- Control multiple magnet bars through the coater PLC or a dedicated computer
- Easy-to-use and customizable operational software

Benefits

- In-situ uniformity and position adjustments eliminate costly system shutdown.
- Very fine tuning for the most demanding uniformity requirements.
- The constant impedance mode can reduce process drift and help stabilize the deposition rate throughout the target lifetime.
- Batteries are standard rechargeable Li-ion packs that can quickly and easily be swapped out.

Remotely Adjustable Magnet Bar (RAM-Bar™)

Application	Optical thin films with tight uniformity requirements
Minimum BT length	1 m
Maximum target diameter	180 mm
Adjuster pitch	305 mm (12 inches)
Adjustable film uniformity	< ± 1%
Movement precision	± 50 µm over the full 20 mm range of motion
HMI (beta)	OPC server HTTP

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