RAM-Bar™

The Remotely Adjustable Magnet Bar lets operators position and fine tune the distance between the magnetics and the target surface from outside the system and during operation to eliminate costly system shutdown.

Compatible with all SCI end blocks for 125 mm ID targets and available with any of the advanced magnetics, the RAM-Bar™ allows for up to 4 mm vertical difference between adjustment locations for very fine tuning for the most demanding uniformity requirements.

The system has robust industrial communication via Ethernet gateway and fiber optics for control. Multiple magnet bars can be controlled through the coater PLC or using a dedicated computer. The software is easy-to-use and customizable.

Batteries are easily replaceable standard rechargeable Li-ion packs.

The RAM-Bar™ has two methods of operation: precision uniformity adjustment and constant plasma impedance. The constant impedance method can reduce process drift and help stabilize the deposition rate throughout the target lifetime.

Remotely Adjustable Magnet Bar (RAM-Bar™)

TECHNICAL SPECIFICATIONS

Backing Tube Length	1-4 m
Maximum Target Diameter	180 mm
Adjuster Pitch	305 mm (12 inches)
Maximum Film Uniformity	< ±1%
Movement Precision	+/- 250 µm of travel
Application	Optical thin films with tight uniformity requirements

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