Advanced Magnetics

For 125-mm ID targets

The most versatile rotary magnet system available, Sputtering Components Advanced Magnetics for 125-mm ID targets are designed to provide high quality, uniform coatings for your application.

- Designed using 3D finite element analysis software - for meeting your application requirements
- Carefully matched, high-strength magnets that are factory calibrated using an automated magnet bar measurement tool - for uniform coatings
- Fully encapsulated magnets and robust construction - for many years of trouble-free operation
- Long-life, multi-roller system - for reliable sputter up, sputter down or off-angle sputtering
- Magnetic positioning points that are easily set using simple tools - for easy uniformity adjustment
- A simple installation procedure with solutions for vertical installation and connecting to end blocks from other manufacturers

TECHNICAL SPECIFICATIONS

	Maximum Target Diameter	Gauss (Typical)	Sputter Angle	Patented Turnaround*	Application
TRM-Bar™	160 mm	540	± 12°	No	Standard targets, most materials
mQRM-Bar™	170 mm	620	± 15°	Yes	Thicker targets, high material utilization
QRM-Bar™	180 mm	870	± 21°	Yes	Thickest targets, ITO, electrical grade film

*Improves target utilization

SPUTTERING COMPONENTS®

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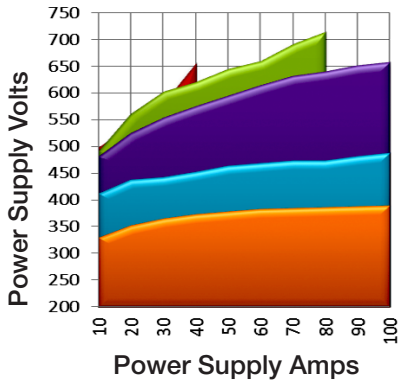
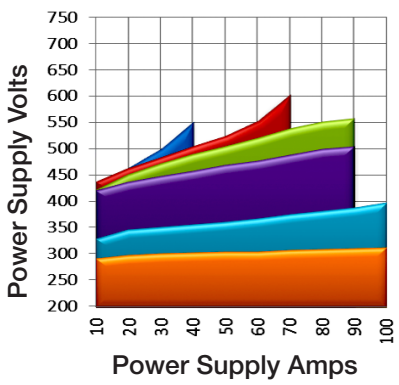
High uniformity • Long campaigns • Lowest cost of ownership

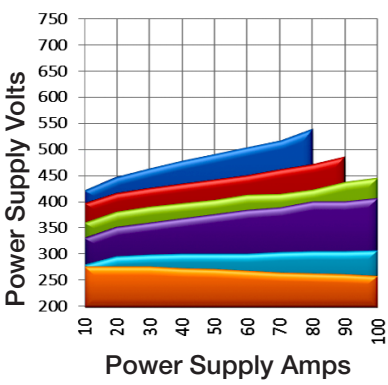
TRM-Bar™



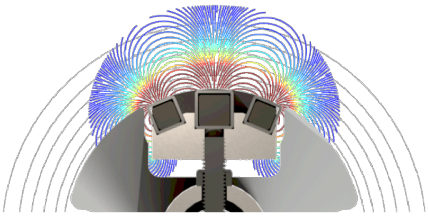
mQRM-Bar™



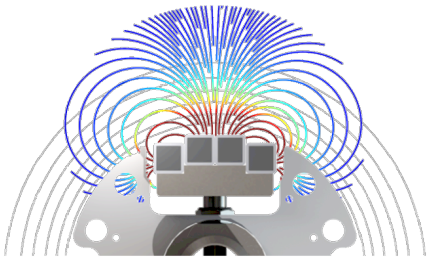
QRM-Bar™



ODs, from bottom to top: 135 mm | 145 mm | 155 mm | 160 mm | 165 mm | 175 mm



- Small magnet, three-row design
- Narrowest deposition profile minimizes coating loss to shields
- Multiple turn-around design options specific to your application
- Easy change turn-arounds



- Small magnet, four-row design
- Patented staggered turn-around design for better target utilization
- Improved performance and reduced impedance
- Stable plasma impedance over the target life

- Large magnet, four-row design
- Patented staggered turn-around design for better target utilization
- Improved performance
- Best plasma impedance stability over the target life

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