

BARR

ASSOCIATES, INC.

Custom, Precision Thin Films & Coatings for selected Non-Optical Applications

With heritage spanning over 36 years, Barr Associates, Inc. is established as a world leader having core competencies in the design and manufacture of custom, precision thin-film optical interference filters and coatings used in a wide diversity of photonic-based applications.

In addition to this, Barr also *has capability to produce custom, precision thin films for selected non-optical applications (including, as well, for optical applications involving thin films associated with non-optical function)*. Barr deploys a wide range of coating deposition processes including Electron-beam, Electron-beam IAD, Magnetron Sputtering, and Ion Beam Sputtering. This breadth in coating deposition technologies affords us the capability to deposit thin films with robust film material properties over large surface areas, with precision thickness control, for a wide variety of deposition and substrate materials.

Some representative film types and non-optically-based applications for which Barr has demonstrated capability to deposit precision thin films include:

- Solderable multi-layer metal coatings
- Solderable coatings for maritime and other applications which require environmental durability
- Patterned metallic coatings for frost shields
- Insulator films used on patterned electro-optics
- Electrically-conductive transparent coatings, films for EMI/RFI shielding
- Chemically-protective films
- Thin films associated with MEMS technology
- Thick silicon cladding layers, suitable for polishing, on silicon carbide optics

For many years Barr has been a leading supplier of custom, precision thin films & coatings for a wide range of optically-based applications. For any of your coating needs in this area, we invite you to contact us with your requirements. Additionally, if you have requirements for precision thin-films & coatings which are associated with a non-optical application, perhaps we can offer a custom, thin film solution. Please contact us with your requirements.

Barr Associates, Inc.

2 Lyberty Way

Westford, MA 01886

Ph: 978-692-7513

Fax: 978-692-7443

E-mail: barr@barrassociates.com

Relationships Through Technical Excellence and Integrity