

GROWING TECHNOLOGY

Since 2001, BMV has been investing in the latest CNC optical manufacturing technology to complement the abilities of our highly skilled, professional team. It is this combination that gives BMV an edge, a superior ability to quickly produce custom optical components and systems of the highest quality.

To extend our manufacturing capabilities, BMV has added high speed CNC generating and polishing equipment specifically tailored to the manufacturing of micro-optics. This gives us the capability to manufacture lenses from 1mm to 10mm, quickly and in volume.



To complement our comprehensive manufacturing abilities, BMV maintains a Class 7 cleanroom. Our cleanroom further enhances our already extensive assembly capabilities with the ability to assemble mechanical-optical and electro-optical systems within an ultra clean environment. Space bound assemblies and medical instruments are just two applications which require ultra clean assemblies.

BMV company founders, President Tom Millen, with 30 years in the optics business, and Vice-President Terry Vineham, with 35 years in the optics business, are very proud of their team and facility and always encourage both existing and prospective new clients to visit us for a tour. We are always available to discuss your unique optical challenges.



PRECISION OPTICS

SERVICE EXCELLENCE



BMV OPTICAL TECHNOLOGIES

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Your Partner for Optical
Manufacturing and Assembly

RESEARCH & DEVELOPMENT

Utilizing advanced metrology and manufacturing equipment, BMV is your partner for optical research and development. Our dedicated team has many decades of experience in this area. We will work directly with your engineers to provide solutions for your manufacturing challenges. The Research and Development phase often leads to prototype manufacturing. Contact our R&D team to discuss your next project. **Innovation begins here!**

PROTOTYPE

Whether a single unit is required simply as “proof of concept”, or as an opportunity for future product refinement, BMV is your partner for prototype manufacturing. Focused on quick turnaround, BMV performs all manufacturing, including thin films, metrology, and assembly on site. Our fully equipped CNC machine shop supports manufacturing to ensure maximum efficiency when deadlines are critical. Please contact us to discuss your next project.

VOLUME MANUFACTURING

To complement our R&D and prototype manufacturing activities, BMV has significantly expanded its production equipment to meet growth demands of existing and new clients. Volume manufacturing is accomplished through acquisition of new modern CNC optical fabrication tools, increased technical staff, and the addition of clean-room facilities for optical assembly. Our strong focus on production efficiencies and manufacturing techniques are the key to our success. Volume manufacturing may range from 5, 10, 50, or more units to 1000's of components depending on the nature of the product.

PRODUCTS

- Lenses: Spherical, Cylindrical
- Complete Lens Systems
- Graded Reflectivity Mirrors (Gaussian Profile Mirrors)
- Precision Axicons
- Laser Mirrors: Dielectric and Metallic
- Laser Windows, Optical Windows
- Beam Splitters: Plate and Cube Configurations
- Prisms
- UV-VIS and IR Optics

SERVICES

- Optical Fabrication
- Thin Film Coatings (including design)
- Complete Optical, Opto-Mechanical and Opto-Electronic Assembly
- Modification of Existing Components
- Repair Supplied Optics
- Research and Development
- On-site CNC Machine Shop

CUSTOMER SERVICE

BMV is built on two simple principles: to manufacture precision optics quickly, and to provide outstanding, reliable customer service.

What customer service means to us:

- Always having a technical person available to discuss your project.
- Assisting in design & specifications of your component or optical system.
- Promptly providing a quotation upon request.
- Ongoing exceptional service leading up to your purchase order, through manufacturing and following delivery.

FROM COMMERCIAL TO ULTRA PRECISION MANUFACTURING

If you are working on a Research & Development project that requires a unique optic or optical system with the most demanding of specifications, then it's BMV you want to partner with to get it done.

We work with you through new product development, manufacturing a prototype optic or optical system with specifications ranging from ultra precision to commercial grade.

Once you have proof of concept, we will continue to work with you to manufacture your product in the quantities you need, in the required time frame, all while keeping your budget in mind.

It is our highly skilled team utilizing modern equipment that qualifies us to be your trusted partner from R&D through to volume production, in precisions ranging from commercial grade to ultra precision.



**RAPID
TURNAROUND**

**COST
EFFECTIVE
SOLUTIONS**

