

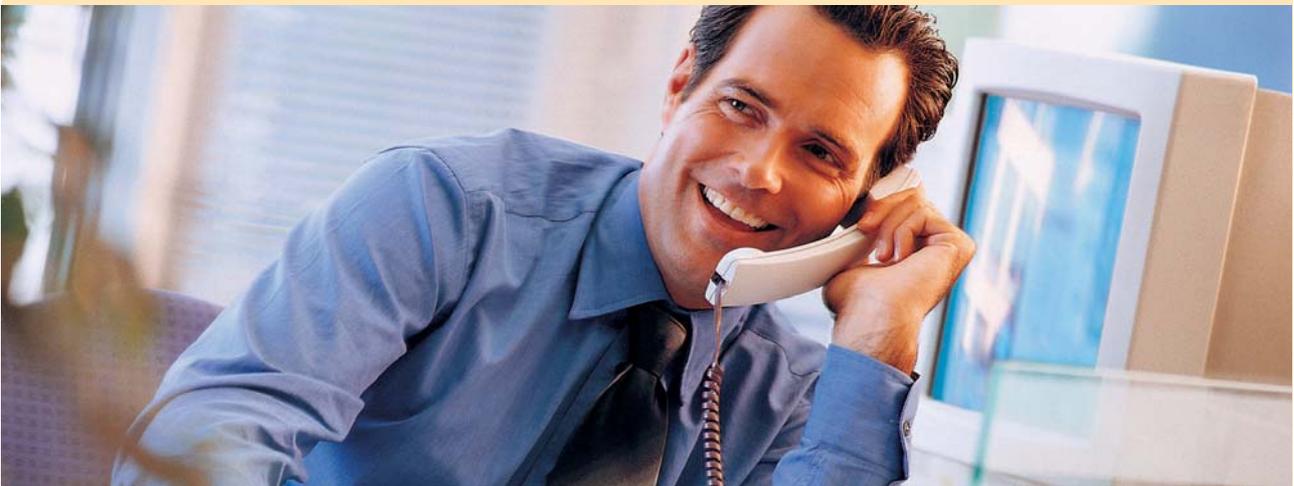
**M O U L D E D
O P T I C S**

Specialty optics of blank-moulded glass.

Think.
Design.
Produce.

Optics.

Advanced blank-moulding technology
adds a new dimension
to the design and production
of precision optics.



Moulded Optics and our approach

Absolutely everything that is developed, engineered and produced by Moulded Optics has to do with optics-design, production and implementation. And that explains our commitment and solution-driven approach to precision optics.

Moulded Optics and human resources

Moulded Optics is a medium-sized company that has been using blank-moulding technology at the same production location for decades. Our dedicated employees in the areas of engineering, production and

customer service have the years of hands-on experience it takes to meet the needs of our customers.

Moulded Optics and speed

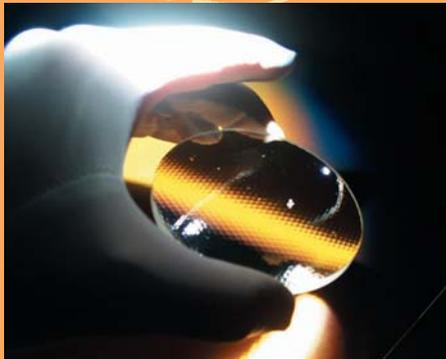
Moulded Optics produces blank-moulded components of optical glass for customers throughout the world. Speed is something these customers take for granted—when it comes to grasping their problems and needs, designing and producing the required moulds and, finally, when it comes to actual production. Our customers know they can turn to us for anything from a few prototypes to production runs of thousands of parts.

Moulded Optics and blank-moulding technology

Moulded Optics is one of the few companies in the world that are able to use advanced blank-moulding technology to produce a wide range of high-precision components of optical glass.



**MOULDED
OPTICS**



Design

Moulded Optics starts out on the basis of the requirements and specifications received from our customers' development departments or engineering personnel. Working together with our customers' personnel, we then go on to propose solutions that offer the optimum combination in terms of technology and economy.

Mould construction

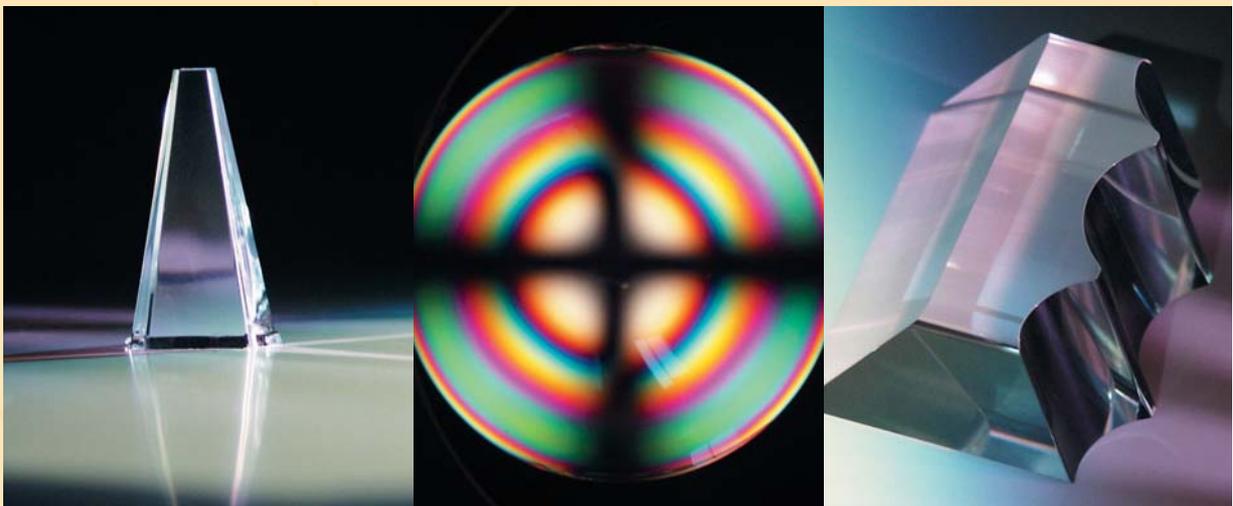
Blank-moulding involves sophisticated technology that calls for considerable expertise when it comes to producing the required high-precision moulds. Our in-depth expertise and excellent contacts with highly qualified toolmakers enable us to respond to customer needs quickly and flexibly.

Production

Moulded Optics has been producing optical components of blank-moulded glass at the same location for over 20 years. Our wide range of products includes not only traditional optical components such as lenses and prisms but also unusual optical elements.

Custom solutions.

For lighting technology, optoelectronics,
digital projection,
traffic control and runway lighting.



Lighting technology

State-of-the-art lighting technology for theatres, stages, trade shows and musical events calls for the use of high-quality optical components such as lenses, prisms and concave mirrors. Moulded Optics can offer economical production of the required quantities.

Optoelectronics

Moulded Optics uses modern blank-moulding technology to produce the optical elements required for optoelectronic equipment and if desired can also organize the assembly of optical and electronic or mechanical parts.

Digital projection

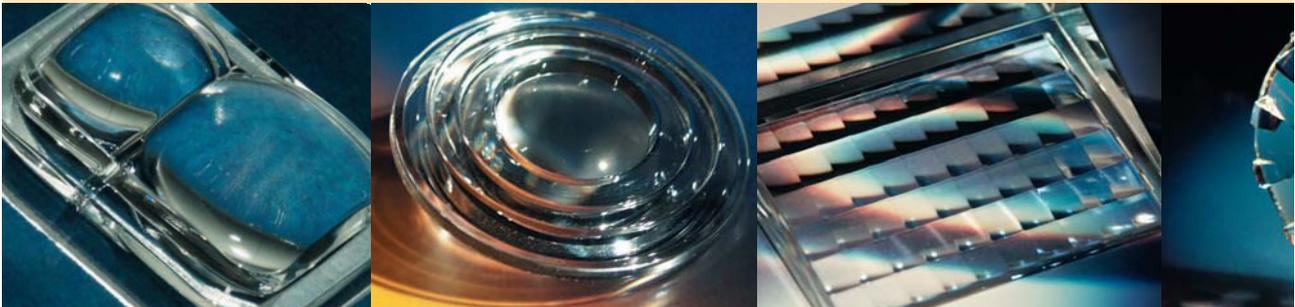
Digital projection is becoming increasingly more popular all the time, and Moulded Optics uses blank-moulding technology to produce relay lenses, concave lenses and aspheric lenses as well as integrator plates for applications in this area.

Traffic control/Runway lighting

Today, more and more traffic control and runway lighting systems feature non-glare prisms. Precision and durability are the factors that determine reliability and economy when it comes to in-pavement lights. Special prisms produced by Moulded Optics meet these requirements and of course comply with FAA specifications.

Moulded Optics.

Advanced blank-moulding technology
for the economical production of
high-quality optical components.



Double lens

Fresnel lens

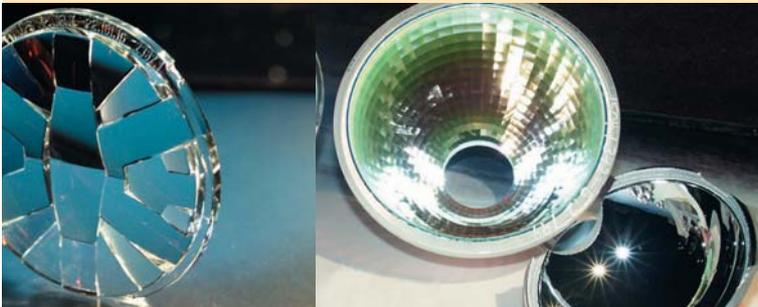
Integrator wedge

Our products (selection)

Plano convex aspherics from 2 to 100mm Ø, polished on one side
Plano convex aspherics from 2 to 30mm Ø, polished on both sides
Multiple lenses/Special geometries, polished on one or both sides
Prisms
Concave mirrors, elliptic, parabolic
Glass covers
Integrator plates with specific segment assignment
Relay lenses
Blank-moulded precision aspherics
High-tech clock crystals

Our glass qualities

B270
Boron silicate glass
Duran
F2 glass
Conventional glasses
Special glasses



Integrator disc

Concave mirror

Our services

- Production of blank-moulded optics
- Optics development
- Optics design
- Mould design
- Mould production
- Optics processing
- Coating
- Assembly



**MOULDED
OPTICS**

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