Mate Tooling Solutions Ltd.

Duralens™ Focusing Lenses

The focusing lens is the last optic in the laser path, before it hits the workpiece. Its main role is to focus the laser beam to a specific focal length (FL) - depending on the application. Therefore, the focal length - that is dictated by the radiuses and curvatures of the lens - is its most important feature.

The focusing lens is normally made of Zinc Selenide (ZnSe) using an anti-reflective coating. Focusing lenses are either Plano-Convex or Meniscus.

In order to ensure that your laser operates at maximum efficiency it is crucial to select the right lens. The type to be used with each machine is usually specified in the machine manufacturer's manual.
Ophir offers a wide range of standard and special lenses assuring that the most suitable and effective lens be fitted to your laser cutting machine.

Duralens™ Lenses - A Cut Above The Rest

The Ophir Duralens™, introduced in 1996, is manufactured using in house technologies (inspection of raw material, grinding, polishing, coating and quality control) that were developed to ensure high reliability and long life - saving you time and money. Ophir Duralens™ have superior Anti-Reflective (AR) coating, lower absorption, better surface quality (achieved by Ophir's micropolishing techniques) and maximum focus accuracy.

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