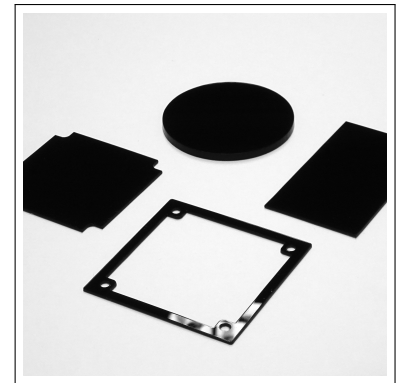


## Laser Cuts

Eureca Messtechnik offers laser cuts of different substrate materials. Mainly acrylic glass (PMMA) is processed, the suitability of other materials is investigated on request. This document contains important aspects of processes and order management.

By default, substrates supplied by Eureca are processed. The suitability of these materials for optical purposes (filters) is explained in further datasheets. Processing of substrates supplied by the customer can be discussed upon request.



## General Properties

The substrates based on PMMA are typically available in thicknesses of 0.5 mm, 1 mm as well as 2 mm and 3 mm. They can be provided in sheets or as customized laser cuts. In order to protect the material during processing and shipping, it is shielded by a plastic film on both sides. This film has to be removed prior to application. The surface quality of the substrate is usually suitable for illumination as well as imaging applications. Please inform us about your application in order to estimate the actual suitability.

## Substrate Sizes, Cuts and Tolerances

When standard sheet sizes are taken into account, typical dimensions are 300 mm x 150 mm. Other sheet sizes are available on request, dimensions of up to 2000 mm x 3000 mm can be realized. In case of custom laser cuts, drawings (PDF) or CAD files (STEP or DXF) are needed. For simple geometries, specifications such as diameters or edge lengths are sufficient. Laser cuts can be realized in sizes from approx. 5 mm x 5 mm up to 150 mm x 200 mm. Please note that for standard sheet sizes and for laser cuts, there are tolerances of up to  $\pm 0.25$  mm. This affects filter thickness as well as lateral dimensions (width, height). If documents supplied by the customer should contain requirements differing from that, production will only start after prior consultation.

## Fees for Processing and File Preparation

Irrespective of the kind and number of laser cuts ordered, there are one-time handling fees per order for process preparation. This will be indicated by a separate item in the quotation. If CAD files are not supplied by the customer, there will be additional file preparation costs if a CAD file is needed in order to realize the requested laser cuts.

## Overdelivery and Underdelivery

In certain cases, the number of products actually delivered may differ from the order by up to  $\pm 10\%$ . This is due to processing workflows and will be noted before the order is confirmed if relevant.

