

## Ordering photo masks from Compugraphics

When ordering a set of photo masks from Compugraphics 2 files has to be attached the order: The file with the mask design (in gds file format) and a text file with the specifications of each mask.

An explanation of the required specifications are given in the pdf document: "Mask polarity and orientation.pdf" and can also be found in Labadviser here:

[https://labadviser.nanolab.dtu.dk/index.php?title=Specific\\_Process\\_Knowledge/Pattern\\_Design](https://labadviser.nanolab.dtu.dk/index.php?title=Specific_Process_Knowledge/Pattern_Design)

The txt files: "specs 5inch mask.txt" and "specs 7inch mask.txt" are templates for ordering 5" masks and 7" masks, respectively. Templates for the specs files can also be downloaded from Labadviser [https://labadviser.nanolab.dtu.dk/index.php?title=Specific\\_Process\\_Knowledge/Pattern\\_Design#Mask\\_Ordering\\_and\\_Fabrication](https://labadviser.nanolab.dtu.dk/index.php?title=Specific_Process_Knowledge/Pattern_Design#Mask_Ordering_and_Fabrication).

When placing a mask order, fill in the template which match the chosen size (5" or 7"), fill out all the specifications, save it on your own computer and attach the specification file together with the design file to the order in procure.

A guide how to order and attach design files in DTU Fusion to the order can be found in Labadviser [https://labadviser.nanolab.dtu.dk/index.php?title=Specific\\_Process\\_Knowledge/Pattern\\_Design#Mask\\_Ordering\\_and\\_Fabrication](https://labadviser.nanolab.dtu.dk/index.php?title=Specific_Process_Knowledge/Pattern_Design#Mask_Ordering_and_Fabrication).

If an order consist of a number of masks of different sizes (5" or 7"), on different glass plate material (soda lime or quarts) or with different critical dimension (0.8um, 1um or 1.5um) individual orders have to be done for each type of mask. If all masks are of the same type one order, one specification template and one design file will do. As soon as the responsible person has approved the order, it will be send to Compugraphics.

Once the order has been sent via Fusion, send a mail to [customer-support-uk@macdermid.com](mailto:customer-support-uk@macdermid.com) attach specs- and mask-file, along with the order number from the Purchase Order generated by Fusion.

Within 24 hours, you will receive a mail with a plot of your design together with an instruction how to view it. Compugraphics will not proceed with the fabrication of the masks until you have approved the plots by replying the mail. After approval, Compugraphics will ship the masks and they will arrive at DTU within 5 working days.

For questions and assistance, regarding specifications and design files or if you need a faster delivery time, please contact the mask team at DTU Nanolab: [mask@nanolab.dtu.dk](mailto:mask@nanolab.dtu.dk)