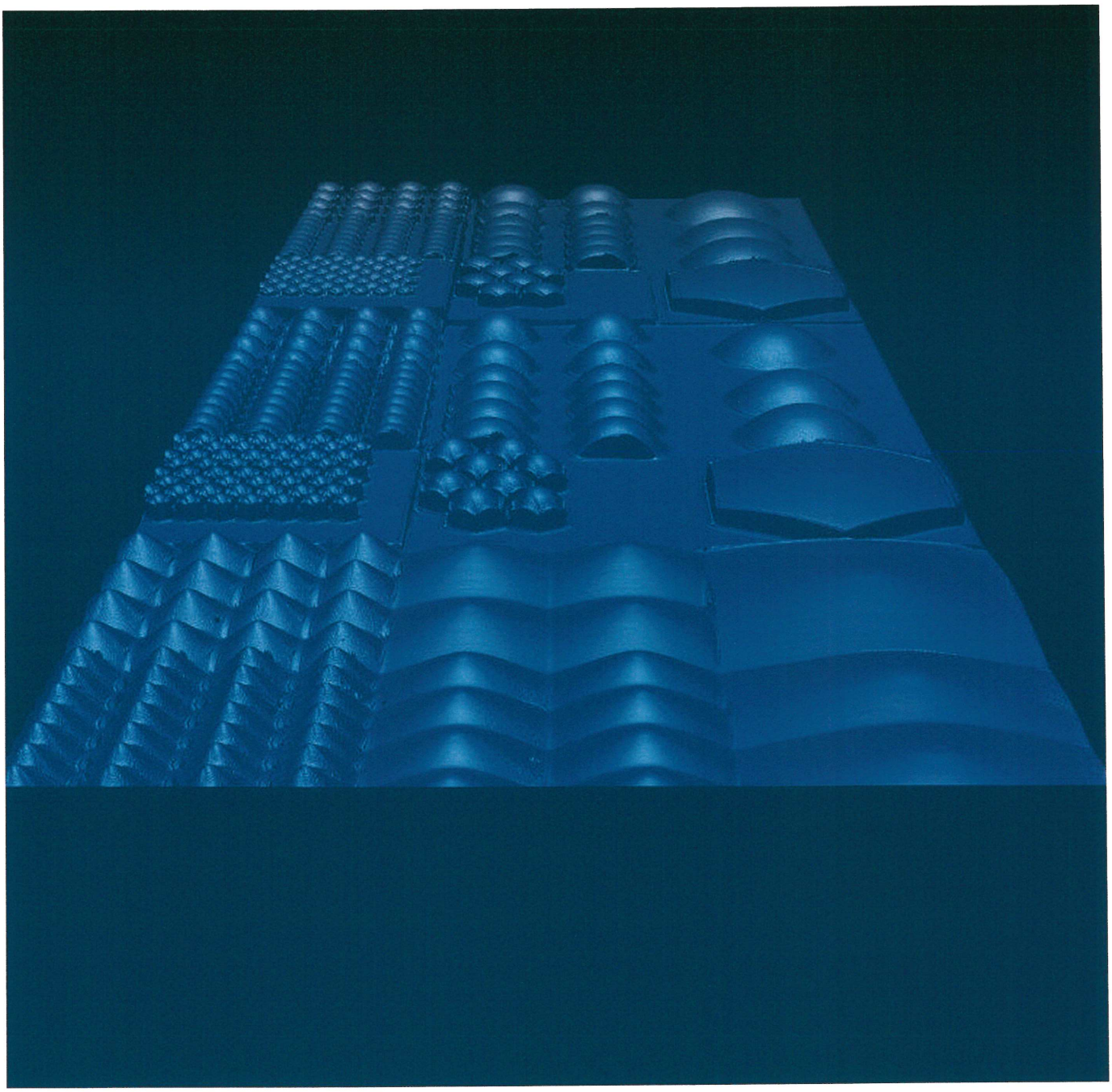
3 PHOTO FABRICATION

Photo Mask 3D

Applications in a wide variety of fields, including automotive, gaming, home appliances, optical transmissions, measurements, security, and more. Accepting jobs from prototypes.



World-class leading technologies

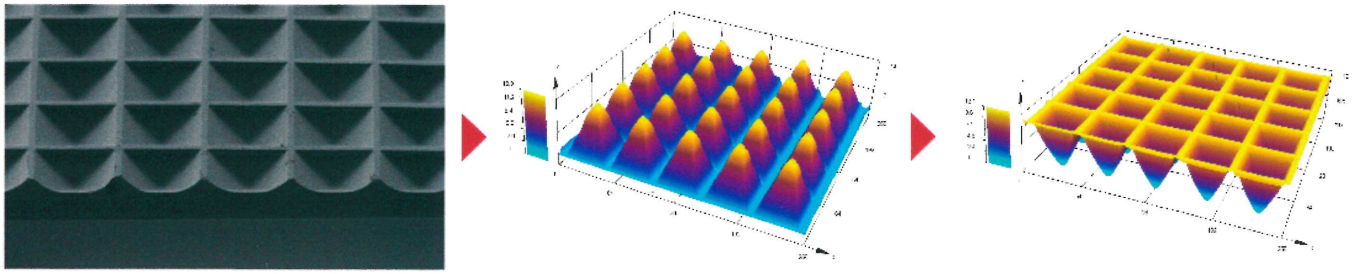
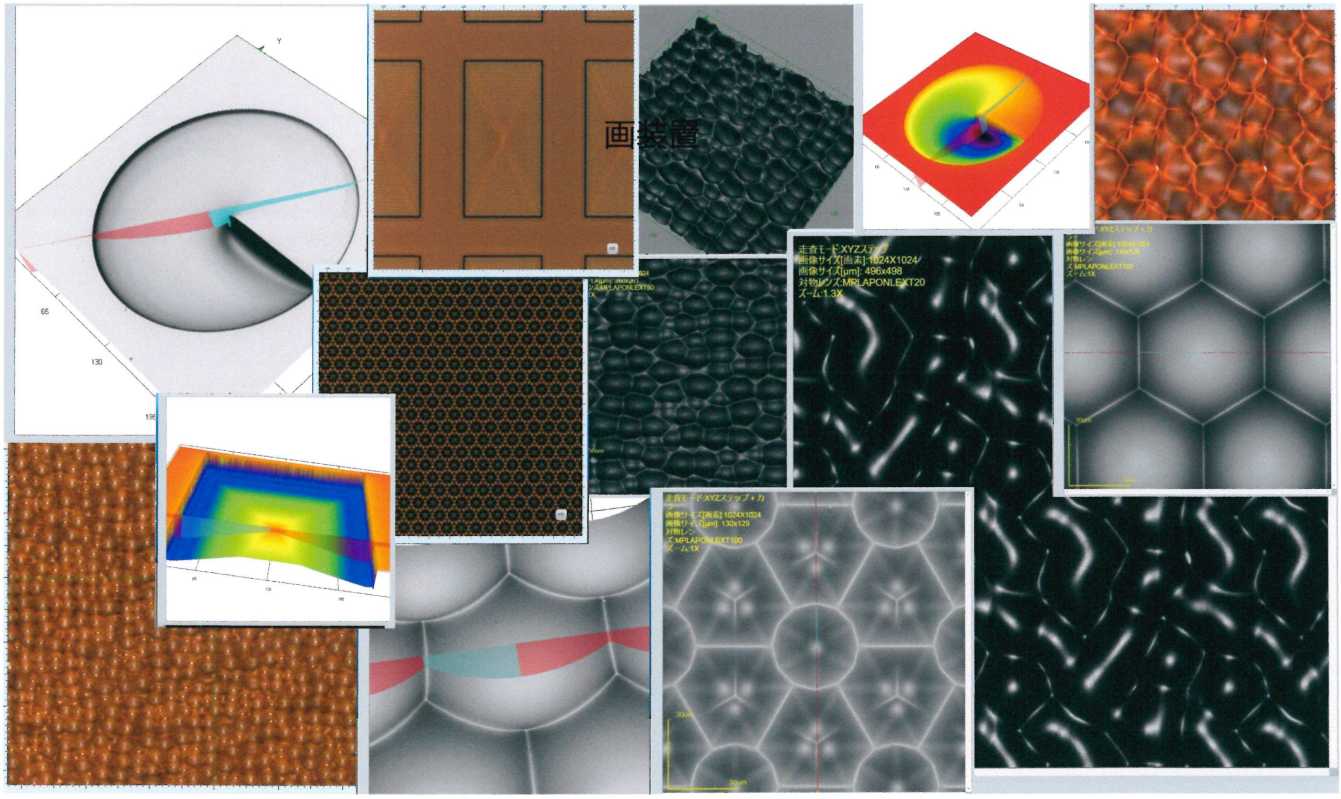
Resist is applied to the surface of the glass, and a 3D form is created directly on the resist using a laser (gradation/128/256). Based on this form, a wide range of micro-lenses, etc., can be utilized.
In our company, we only perform the manufacture of resist patterns (3D forms), but it is also possible for us to accommodate further steps such as Nickel plating and imprinting. Please let us know if you wish to pursue these options.

STEP 1 The Master mold is created using the photo-resist process (SEM image)

STEP 2 A nickel mold is made from the master using electro-plating

STEP 3 UV-curable resin is used to make an imprint

Inverted pyramidal pattern



Random pattern