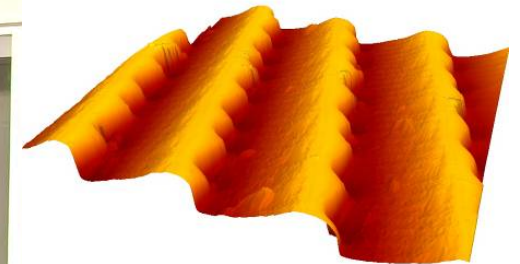
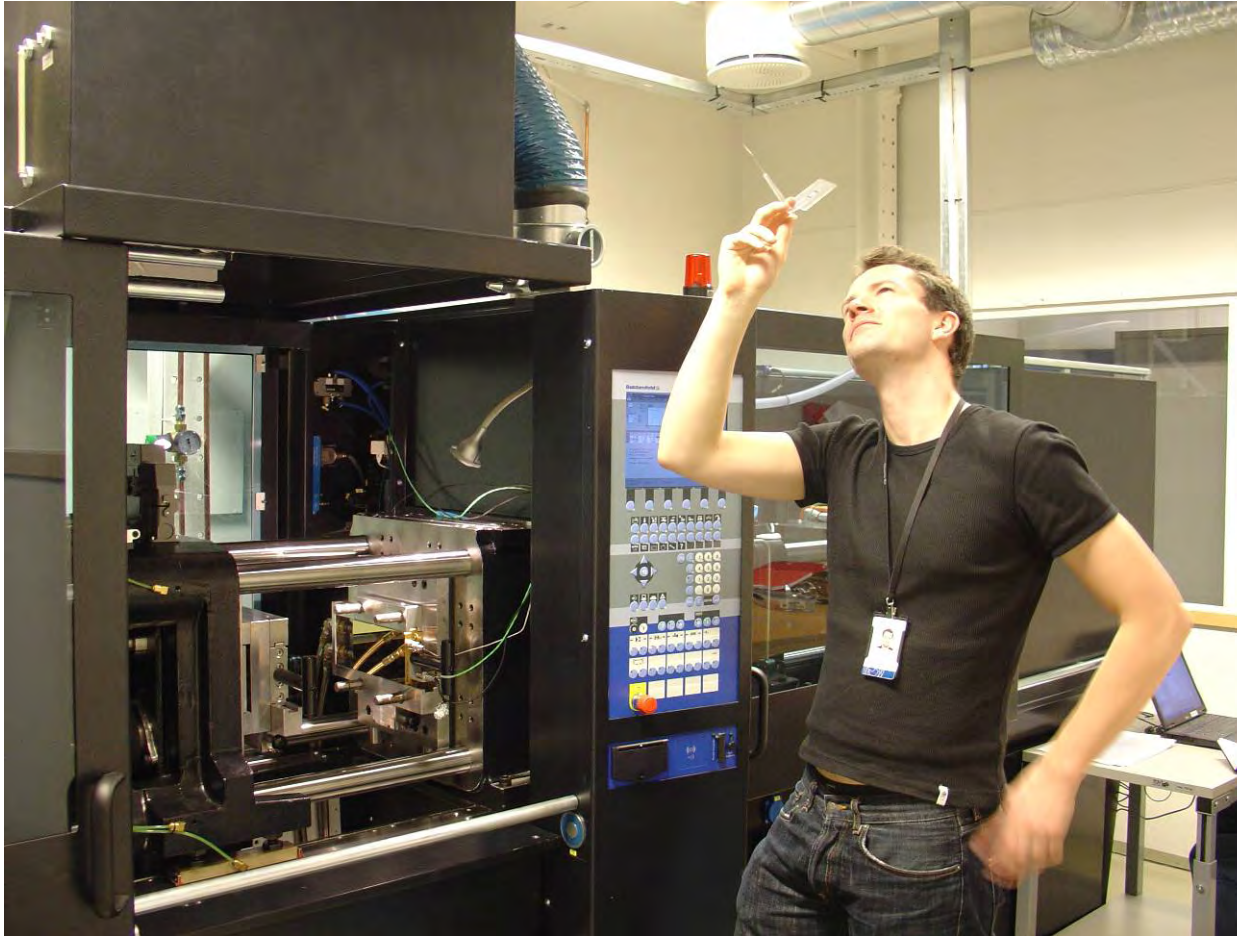


“Microfeatured polymer components”

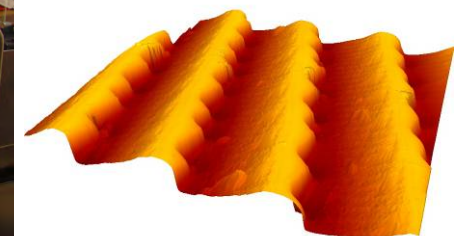
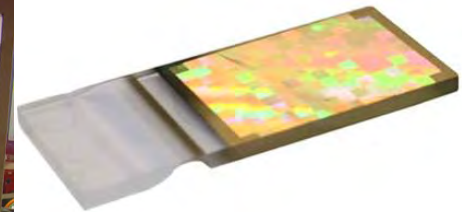
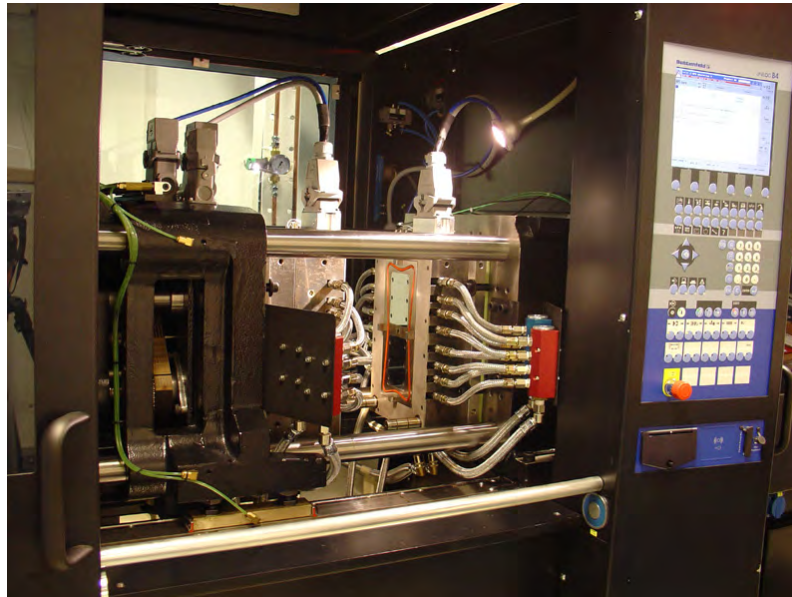
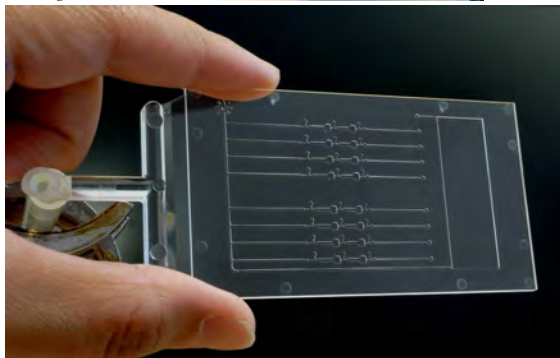
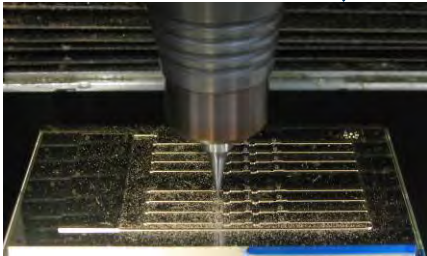
www.sintef.no/mpc



Fabrication of microfeatured polymer components

– SINTEFs facilities and expertise (www.sintef.no/mpc)

- Facilities for pilot production: High-precision injection moulding machine and moulds for mounting various inserts/masters, also variotherm mould for replication of high-aspect-ratio structures
 - SINTEF has moulded components for diffractive optics (including sub-micron features) and lab-on-a-chip devices, and has also characterised these by e.g. atomic force microscopy (AFM)
- Expertise in mass production, including selection of polymer material, design of mould/insert/master and process simulation



Fabrication of microfeatured polymer components

Variotherm mould with flexible system for mounting various inserts/masters

