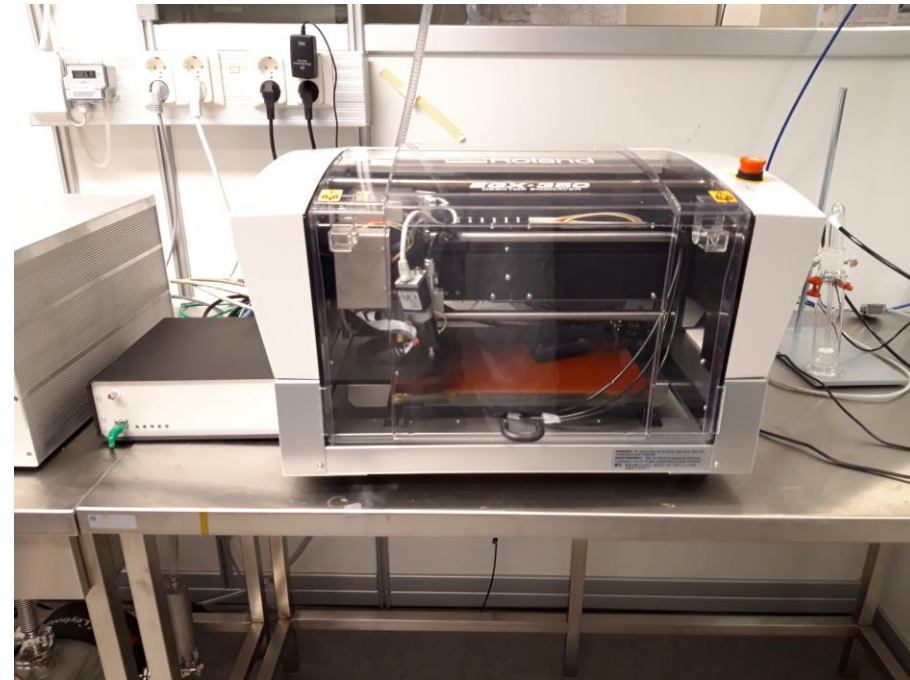


Plasma printer

Patterning with plasma, changing surface energy in desired locations of the substrate

Innophysics μ PlasmaPrint

- XY-Z platform
- Modified Roland Engraving machine
- Speed 5-60 mm/s
- Accuracy XY-axis: 20 μm .
- Accuracy Z-axis: 10 μm .



Plasma chamber

Pre-treatment of surfaces, surface energy control

Diener ATTO Plasma Chamber

- Quartz glass chamber
 - 211 mm x 300 mm; 10.5 L volume
- Generator
 - 13.56 MHz, 0-200 W
- PC controlled
- 2 mass flow controlled gas inlets
 - nitrogen
 - oxygen
- Dry vacuum pump

