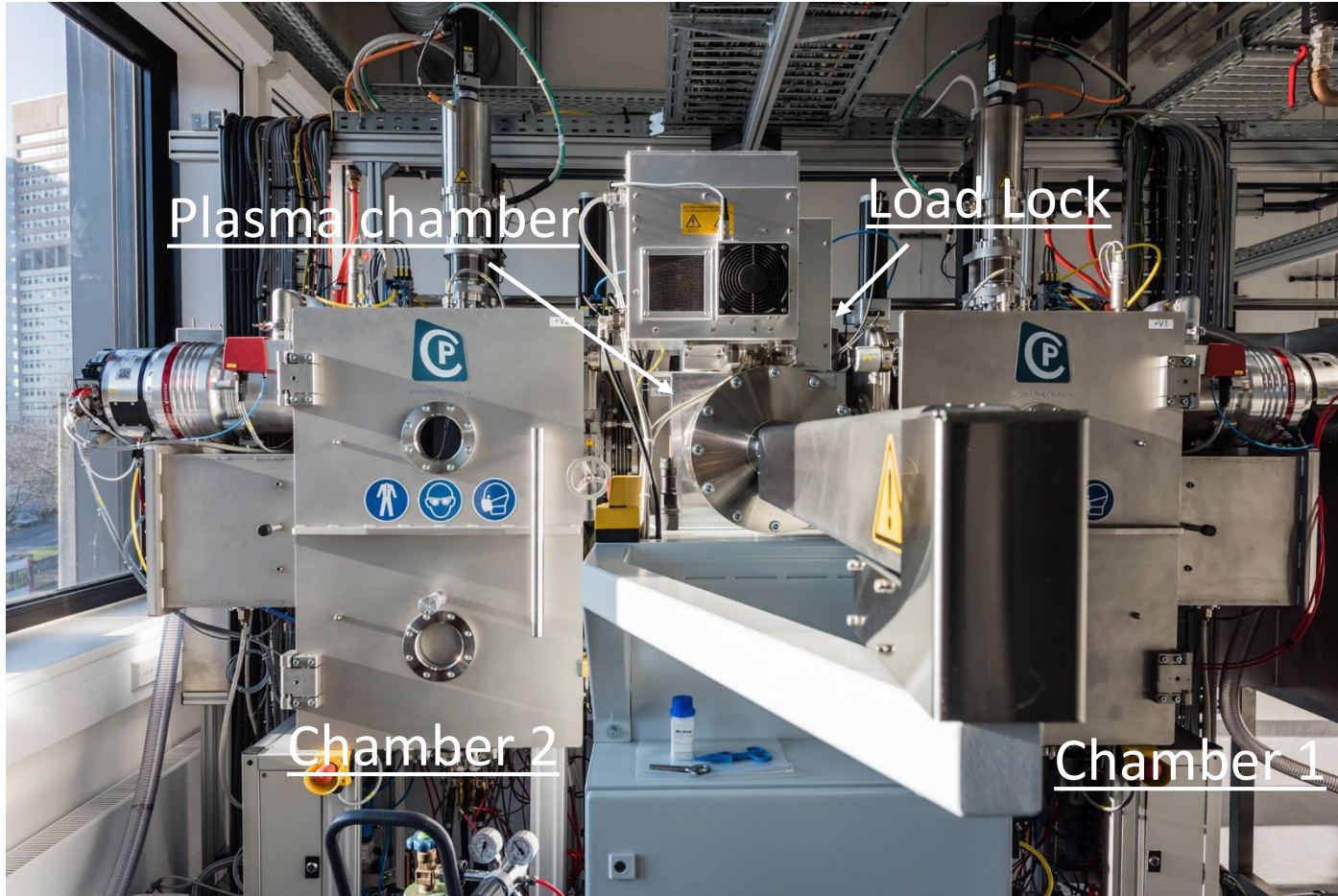


CreaPhys / deposition





manufacturer company: CreaPhys GmbH,
now merged with MBraun Group

date of purchase: 23.09.2015

price: to be discussed

Specifications

- Substrate size: 150 x 150 mm²
- 1D Dual Wedge tool
- Rotatable Stage
- 2 Deposition chambers
 - Chamber 1: 7 organic sources (5x 8cc, 2x 2cc), 1 triple source (0.5 cc), co-deposition
 - Chamber 2: 4 high temperature sources
2 organic sources (1x 8cc, 1x 2cc)
- Plasma chamber (Ar and O₂)
- In-situ IV-characterization
- automatic in-situ mask change

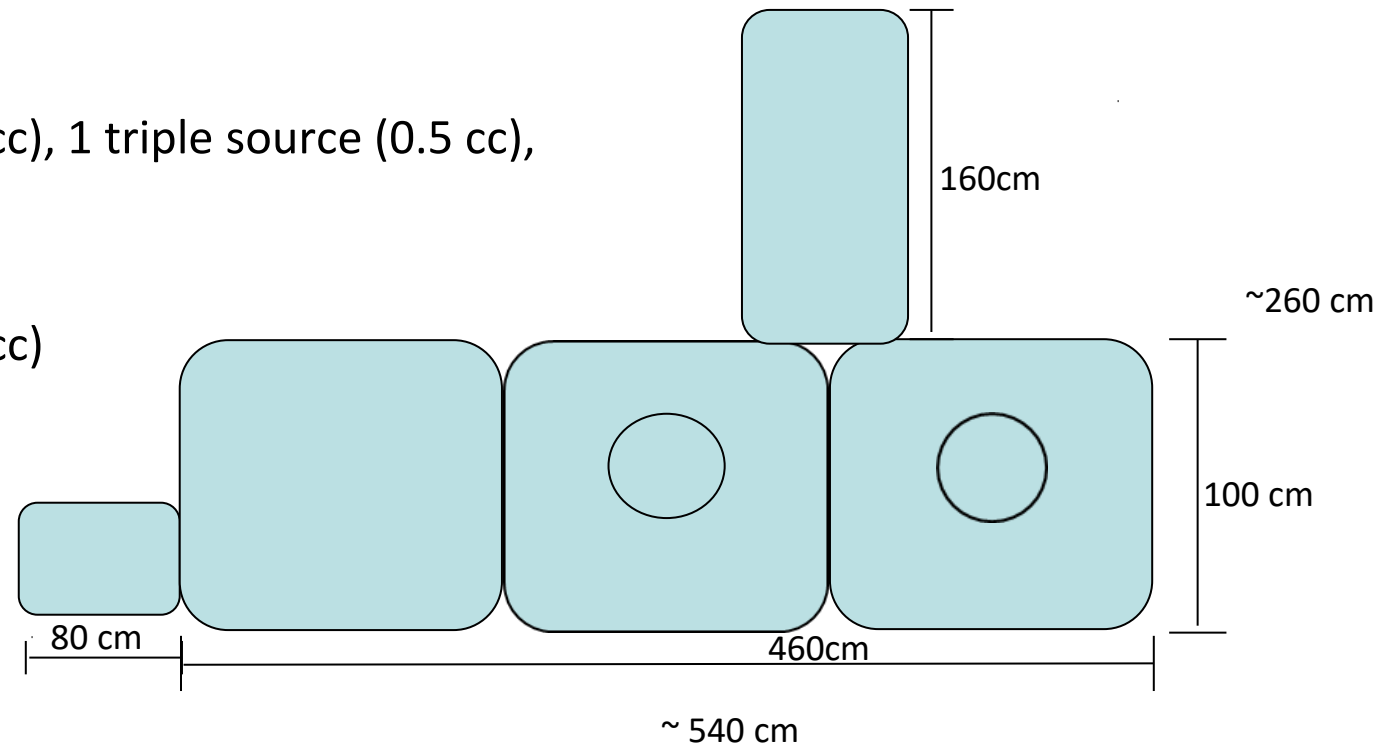
required space:

height: Boxes only : 200 cm

Boxes with Motor: 290 cm

width: 540 cm

depth: 260 cm



- growth of multiple organic layers on substrates up to 150x150 mm
- deposition of metals and oxides (thermal evaporation)
- fabrication of up to 12 functional layers for OLEDs and solar cells
- doped layers (up to four components), molecularly doped and redox doped
- in-situ conductivity measurement for doped layers to adjust doping ratio