

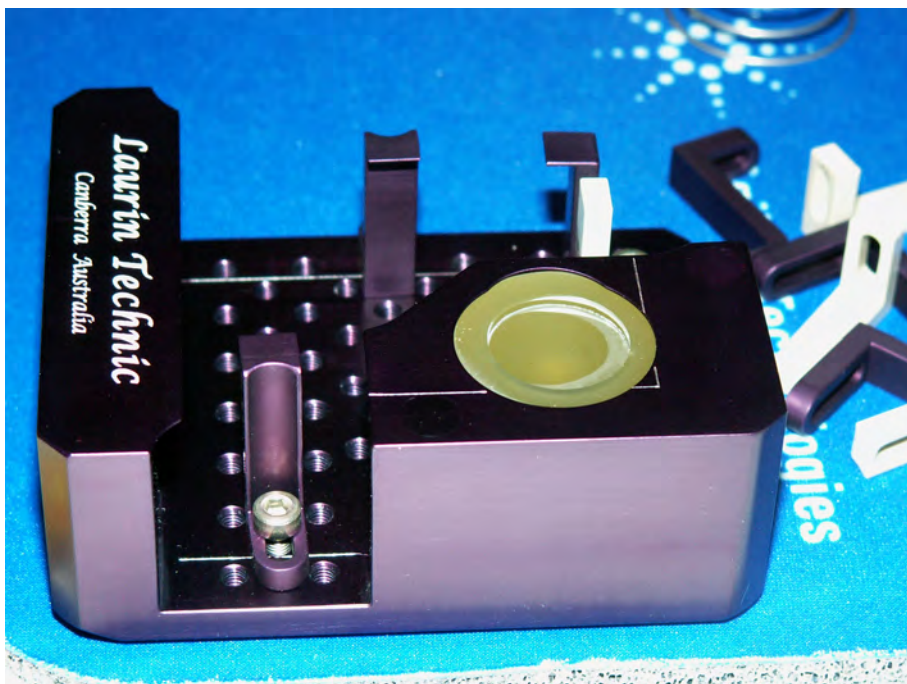
X-Y stage travel:

max 50 mm in X or Y direction. No Z-travel possible nor necessary (e.g. for focusing). Samples need to be reasonably flat at analysis side. If they can be polished that's better, but it is not a prerequisite (like for SEM, EMPA). Due to the two-volume LA cell geometry, samples are pushed upwards in the holder relative to a reference surface by springs.



Sample holder overview:

- 1) Round samples: 4x 25 mm diameter, max. 20 mm thick. Similar to SEM / EMPA samples.
- 2) 'Slide' sample holder: One 49 mm (L) x 25 mm (W) mm block, 20 mm (T) deep; max width: 25 mm, min width: 23 mm. (Due to round edges in the sample holder, samples should be trimmed a bit at their 4 edges)
Two samples 25 mm diameter, max. 20 mm thick.
- 3) 'Universal' sample holder: One 25 mm diameter, max. 20 mm thick. Rest open - samples are mounted & held in place with clamps and spacers (see below).



Epoxy glue:

Careful due to potential for SEVERE trace element contamination!

Struers Epofix has proven to be a good choice, due to low concs for most elements.