

## Ultramicrotomes for room temperature sectioning

Ultramicrotomes are instruments commonly used to prepare TEM samples. Glass or diamond knife can be used to cut specimens embedded in epoxy. Sectioning at room temperature can be done for semi thick sections up to  $3\mu\text{m}$  and ultra-thin sections down to 50 nm. The instruments can also be used to trim smooth surfaces of non-biological samples for SEM, AFM and LM examination.

*Models: Leica EM UC7 (image below), Leica EM UC6 and RMC MT-X*



## Ultramicrotomes for cryo temperature sectioning

With cryo chamber FC6 mounted to the ultramicrotome, low temperature sectioning at temperature  $-15\text{ }^{\circ}\text{C}$  to  $-160\text{ }^{\circ}\text{C}$  can be done for cryosections. Sectioning thickness range is from 40 nm to  $3\text{ }\mu\text{m}$  for TEM samples and to trim smooth surfaces of non-biological samples for SEM, AFM and LM examination.

*Model: Leica EM UC6/FC6 (image below)*

