## Specialized precision cutting instruments

Specialized precision cutting instruments used to slice extremely small sections from a block of embedded tissue, also called microsectioning.

### Risks

- Cuts from sharp blades
- Exposure to extreme temperatures
- Exposure to potentially infectious materials/biohazards
- Electrical shock from electrical components
- Potential generation of aerosols
- Exposure to chemical fixatives or disinfectants

### Safety Precautions

- All users must be trained
- Never directly handle blades
- Guards, blade & wheel locks must be engaged when not in use
- Use forceps or tongs to remove tissue sections or blades
- Keep clearance between user's hands and any moving parts/blades
- Sit at proper height for user

### PPE

- Lab coat
- Safety glasses
- Gloves
- Cut resistant gloves
- Cryogenic gloves

### Operation & Cleaning

- Before use check to make sure blades or tissues were not left by previous user
- Before ever reaching inside be sure; roll guard is over blade, and wheel is in “LOCKED” position
- Use a sectioning brush for sample or chuck
- Keep hands clear when adjusting the stage
- Ensure foot pedal is positioned properly to avoid accidental activation
- Always remove blade before removing sample or before cleaning