



# MICROTOME

## SHREKE Fully Automatic Microtome



### FEATURES:

1. Streamlined molded housing results in attractive appearance and is easy to clean.
2. Full-automatic sectioning with adjustable speed and three sectioning modes: continuous, step and single.
3. LED display
4. Electronic trim function makes it easy to switch from trim and section mode
5. Specimen retraction mechanism protects specimen from unintended blade damage
6. Section counting function counts total section pieces and total thickness.
7. Unit contains a precise micro motion specimen feeding system which uses a micro computer, optical signal and stepper motor to control specimen feeding resulting in more precise specimen feeding.
8. Internationally accepted slide mechanism and groove ensures the precision of specimen movement while making the unit free from lubrication and maintenance requirements.
9. Unit contains a handwheel force balancing system for adjusting the balancing force during sectioning, making rotation even and smooth;

10. Two safety locking mechanisms on the handwheel; one locks on the top; the other locks at any position
11. The disposable blade can move horizontally to avoid the dangers of unintended contact with the blade. Every blade cuts specimen into three equal parts, which ensures the entire use of blade edge
12. The waste tray collects sectioning debris are easily removed for cleaning
13. Cassette clamp and C clamp are optional
14. Specimen orientation on X/Y axes 8°
15. Alarm to warn of forward or backwards limitation.
16. Self-diagnostic prompt.
17. Emergency stop and foot switch (optional)

### **Technical Specifications:**

1. Section thickness range: 1~100µm
2. Section thickness setting: 1~20µm, in 1µm increment  
20~60µm, in 5µm increments  
60~100µm, in 10µm increments
3. Trimming thickness: 1~600µm
4. Trimming thickness setting: 1~20µm, in 1µm increment ;  
10~20µm, in 2µm increments  
20~50µm, in 5µm increments;  
50~100µm, in 10µm increments;  
100~600µm, in 50µm increments;
5. Specimen retraction: 0~95µm, in 5µm increments ;
6. Specimen vertical stroke: 70mm
7. Specimen horizontally stroke: 25mm
8. Max specimen size with cassette clamp (H×W): 40mm×28mm
9. Max specimen size with C clamp (H×W): 55mm×40mm
10. Dimensions (W×D×H): 560×470×300mm
11. Weight: 35kg