**Cryostat Microtome CT520 - Specifications**

|  |  |
| --- | --- |
| **Power requirements** | 220 - 240 VAC, 50 Hz; 220 - 240 VAC, 60 Hz; 110 - 127 VAC, 60Hz |
| **Dimensions (WxDxH)** | 830 × 910 × 1300 mm (including the handwheel) |
| **Weight** | Approx. 185 kg (without accessories) |
| **Section thickness range** | 1 - 100 μm |
| **Trinmming thickness range** | 5 - 600 μm |
| **Horizontal feed** | 30 ± 1 mm |
| **Vertical stroke** | 62 ± 1 mm |
| **Retraction** | Yes, adjustable |
| **Specimen orientation** | ±8° (x/y axis), 360° (z axis) |
| **Temperature range** | At ambient temperature of 20 °C Freeze shelf: -10 °C to -42 °C ± 5°C  Specimen head: -10 °C to -50 °C ± 5°C Blade holder: -15 °C to -30 °C ± 5°C |
| **Freezing stations** | 18 stations + 2 Peltier elements |
| **Peltier elements** | -60 °C + 3 °C (at freeze shelf temperature of -42 °C (+5 °C)) |