# Specifications

| | |
|---|---|
| Power Requirements | 220-240 VAC, 50 Hz/60 Hz, 1000 VA;<br>100-120 VAC, 50 Hz/60 Hz, 1000 VA; |
| Dimensions (W×D×H) | 830 x 910 x 1300 mm (including the handwheel) |
| Weight | Approx. 183 kg (without accessories) |
| Refrigerant | R290 (IPCC6 GWP: 0.02) |
| Section Thickness Range | 0.5 - 100 µm<br>0.5 - 5 µm in 0.5 µm increment<br>5 - 20 µm in 1 µm increment<br>20 - 50 µm in 2 µm increment<br>50 - 100 µm in 5 µm increment |
| Trimming Thickness Range | 5 - 800 µm<br>5 - 50 µm in 5 µm increment<br>50 - 100 µm in 10 µm increment<br>100 - 800 µm in 20 µm increment |
| 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<br>Specimen head: -10 °C to -50 °C ± 5°C<br>Freeze shelf: -10 °C to -42 °C ± 5°C<br>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) |

DAKEWE

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DAKEWE




# VANGO CT620

## Cryostat Microtome

Eco-engineered system,
precise to 1 µm

# VANGO CT620
## Cryostat Microtome

Combining all new cooling system, VANGO CT620 delivers 1 μm precision cryosections you can rely on, every time. Efficient management and streamlined operations simplify your workflow and strengthen your confidence in every result.

## Consistent And Reproducible Sections

- Dual inverter compressors deliver precise, ripple-free temperatures with lower vibration, noise and energy consumption.
- Ensuring consistent and flawless 1 μm cryosections, with minimizied mechanical tremor and eliminated chatter marks.
- The eco-friendly refrigerant emits nearly zero carbon pollution while absorbing heat efficiently for superior cooling performance.
- Carried forward multi-point cooling control at chamber, specimen head, quick-freeze shelf, and blade holder ensures optimal temperature for different specimens.







Stable blade holder and anti-roll guide provide for smooth sections




Silver ion antimicrobial coating effectively reduces biological contamination on equipment surfaces.



Sensor light with adjustable brightness allows for clear view and prevents eye fatigue

# Confidence in Every Micron




1. 10.1 inch color touch screen
2. Generous storage space
3. Slide placement area
4. Light and smooth handwheel
5. Fatigue-reducing front curve
6. Physical control panel
7. Condensate bottle with liquid level detection

## Accessories



Finger rest



Anti-roll plate



Sample discs with color-coded rings
⌀30 mm ⌀40 mm
⌀55 mm

## Intuitive Control And Management







- Specimen head position memory function allows specimen head to be reset to memorized position with just one touch.
- Automatic defrosting and disinfection can be scheduled according to the lab routine, ensuring thorough defrosting and optimal performance.
- Choose freely from 9 customizable presets of temperature to suit specimen types.
- Rocking mode can be enabled to help trimming.
- Expanded permission system limits parameters adjustment and specimen head feeding to authorized users only, ensuring both equipment integrity and sample safety.
- Operation logs and connectivity to slide printers enable full traceability, from sectioning to identification.