

# Semi-Automated Rotary Microtome

Precision

Stability

Durability

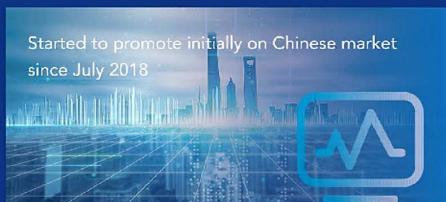
**Craftek**  
born for High-Quality Pathology



# ABOUT US

Possessing a strong R&D team who developed the first semi-automated microtome in China in the early 2000s, Jinhua Craftek Instrument Co., Ltd was established to deliver high-end anatomical pathology products servicing both clinical and scientific market.

Located in Jinhua City, Zhejiang Province, a vibrant national wide economic development zone, Craftek is nourished with the blood of enterprising and innovation, has been creating every product with intellectual property rights, committed to becoming one of the few leading brands in the industry.



Started to promote initially on Chinese market since July 2018



2<sup>nd</sup> Best-Selling microtome brand throughout China in 2024 according to the market survey by a Chinese 3<sup>rd</sup> party platform called Bid Data (Zhao Cai Shu Ju Tong)



120+ microtomes were delivered to Korea in the past 5 years, 100+ were delivered to Poland in the past 5 Year...



口袋区域

# CONTENT

01-02

## EstaCUT Rotary Microtome

**CR-601ST** Standard Semi-Automated Rotatory Microtome  
**CR-603** Standard Semi-Automated Rotatory Microtome, with Separate Control Box

03-04

## VersaCUT Rotary Microtome

**CR-701** Enhanced Semi-Automated Rotatory Microtome, for both Standard and Super Mega Paraffin Blocks  
**CR-703** Enhanced Semi-Automated Rotatory Microtome, for both Standard and Super Mega Paraffin Blocks, with Separate Control Box

## We are Certified





## 01 | EstaCUT Rotary Microtome

EstaCUT is the classical semi-automated rotary microtome Craftek developed, and has been manufacturing and supplying for frequent and high-precision sectioning in critical clinical pathology since 2018. Depending on the outstanding instrument performance, Craftek has rapidly become a renowned brand for high-quality microtome in the industry, and achieved the 2<sup>nd</sup> largest number of microtome sales in China successively in both 2023 and 2024 among all the microtome choices. Successful experience of the microtome application in China and few other international markets during the past 5 years has doubtlessly proved the microtome reliability, and encourages us to deliver the cost-effective solution shorty to all the lab professionals all over the world.

### TECHNICAL SPECIFICATIONS

Section Thickness Range	0.5~100μm
Section Setting Values	0.5~5μm, in 0.5μm increments 5~20μm, in 1μm increments 20~50μm, in 5μm increments 50~100μm, in 10μm increments
Trimming Section Thickness Range	1~600μm
Trimming Setting Values	1~10μm, in 1μm increments 10~20μm, in 2μm increments 20~50μm, in 5μm increment 50~100μm, in 10μm increment 100~600μm, 50μm increment
Maximum Specimen Size (L×W×t)	50 × 60 × 40 mm (L×W×H)
Specimen Feed	Approx. 24mm ± 1mm
Specimen Vertical Stroke	70mm ± 1mm
Specimen Orientation	Horizontal: ±8° Vertical: ±8°
Specimen Retraction	5~100μm, in 5μm increments. On or Off
Electric Coarse Feed	20μm/click and 1000μm/s
Blade Holder Base Movement	± 24 mm
Instrument Width (incl. 2 handwheels on both sides)	485 mm
Instrument Depth (incl. waste tray)	566 mm
Instrument Height	285 mm
Net Weight / Gross Weight	31.5 kgs / 58 kgs (wooden case)
Working Temperature	+10° ~ +35°
Working Humidity	< 80%, no condensed water
Normal Supply Voltage	100~240V AC (± 20V)
Normal Frequency	50/60 Hz
Power	70 W
Microtome Model No.	CR-601ST / CR-603 (with Control Box)

### A QUICK OVERVIEW TO MAIN MICROTOME FEATURES

- Motorized microtome with manual operating habit relying on the coarse feed wheel
- Separate control box of CR-603, can be connected to or disconnected from the microtome easily. Parameter settings are synchronized with the in-housing control panels, enabling precise feeding.
- Automatic alternation between rocking mode and rotation mode during sectioning
- Specimen retraction function, which can be switched on or off
- Paraffin block can be locked either in the uppermost position or in any needed position
- Precise specimen orientation with clear zero reference point
- Adjustable blade holder angle, allows more ideal sectioning sites
- Handle foldable in the back of the microtome for convenient instrument movements.
- Non-sticky coating plate, helps achieve ideal consecutive slices
- Auto hibernation function. The screen will be turned into sleeping mode after 15 minutes since the instrument stops working. Pressing any button can resume the instrument operation.
- Instant display of horizontal specimen movement, sound alert at extreme position
- Prompt and convenient changes of various tissue clamp
- Orientation of specimen holder movement controllable by the small wheel
- Ideal performance with hard tissue sections
- Automatic on-time lubrication system, enables constant smooth instrument run
- Light and noise-free rotating, provides with Harmonious working environment

## 02 | VersaCUT Rotary Microtome

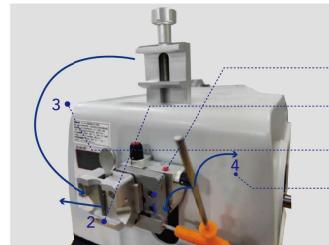
Developed over the EstaCUT rotary microtomes CR-601ST and CR-603 (with separate control box), the Craftek VersaCUT CR-701 and CR-703 (with separate control box) are enhanced semi-motorized rotary microtomes delivered with incorporated ability of sectioning mega and super-mega paraffin blocks, help simplify and improve the pathology lab workflows. Compared with the traditional sliding microtomes, the VersaCUT rotary microtomes allow more efficient & more convenient paraffin-block angle adjustments, and blade replacements. Moreover, versaCUT CR-701 and CR-703 are capable of delivering consecutive slices whilst a sliding microtome cannot.



### TECHNICAL SPECIFICATIONS

Section Thickness Range	0.5~100µm
Section Setting Values	0.5~5µm, in 0.5µm increments 5~20µm, in 1µm increments 20~50µm, in 5µm increments 50~100µm, in 10µm increments
Trimming Section Thickness Range	1~600µm
Trimming Setting Values	1~10µm, in 1µm increments 10~20µm, in 2µm increments 20~50µm, in 5µm increment 50~100µm, in 10µm increment 100~600µm, 50µm increment
Maximum Specimen Size (LxWxH)	50 x 60 x 40 mm (LxWxH)?
Specimen Feed	Approx. 24mm ± 1mm
Specimen Vertical Stroke	70mm ± 1mm
Specimen Orientation	Horizontal: ±8° Vertical: ±8°
Specimen Retraction	5~100µm, in 5µm increments. On or Off
Electric Coarse Feed	20µm/click and 1000µm/s
Blade Holder Base Movement	± 24 mm
Instrument Width (incl. 2 handwheels on both sides)	485 mm
Instrument Depth (incl. waste tray)	566 mm
Instrument Height	285 mm
Net Weight / Gross Weight	31.5 kgs / 58 kgs (wooden case)
Working Temperature	+10° ~ +35°
Working Humidity	< 80%, no condensed water
Normal Supply Voltage	100~240V AC (± 20V)
Normal Frequency	50/60 Hz
Power	70 W
Microtome Model No.	CR-701 / CR-703 (with Control Box)

### EASY ACCESS TO SECTIONING Mega and Super-Mega Paraffin-Blocks



- Step 1 Unfasten the hex screw
- Step 2 Take off the standard specimen clamp
- Step 3 Fix-in the Mega specimen clamp
- Step 4 Fasten the hex screw and have it

### A QUICK OVERVIEW TO MAIN MICROTOME FEATURES

- Motorized microtome with manual operating habit relying on the coarse feed wheel
- Separate control box of CR-703, can be connected to or disconnected from the microtome easily. Parameter settings are synchronized with the in-housing control panels, enabling precise feeding.
- Automatic alternation between rocking mode and rotation mode during sectioning
- Specimen retraction function, which can be switched on or off
- Paraffin block can be locked either in the uppermost position or in any needed position
- Precise specimen orientation with clear zero reference point
- Adjustable blade holder angle, allows more ideal sectioning sites
- Handle foldable in the back of the microtome for convenient instrument movements.
- Non-sticky coating plate, helps achieve ideal consecutive slices
- Auto hibernation function. The screen will be turned into sleeping mode after 15 minutes since the instrument stops working. Pressing any button can resume the instrument operation.
- Instant display of horizontal specimen movement, sound alert at extreme position
- Prompt and convenient changes of various tissue clamp
- Orientation of specimen holder movement controllable by the small wheel
- Ideal performance with hard tissue sections
- Automatic on-time lubrication system, enables constant smooth instrument run
- Light and noise-free rotating, provides with Harmonious working environment

### A GLANCE at our FULL SOLUTION for Mega and Super-Mega Paraffin-Blocks



Mega Specimen Clamp



Mega-Sized Micro Slide



Mega-Sized Tissue Cassette



Remade Staining Stand