



# Craftek<sup>®</sup>

Jinhua Craftek Instrument Co.,Ltd

**Craftsman +Technology**

**= Craftek<sup>®</sup>**

**PROFESSIONAL MANUFACTURER OF PATHOLOGICAL INSTRUMENTS**

The Pathology Standing Committee of the China Association of Medical Equipment

Crowner and microtome provider of the 1st Paraffin Section Quality Control Competition hosted by the Pathology Standing Committee of the China Association of Medical Equipment

# Company Introduction

Jinhua Crafterk Instrument Co., Ltd. is located in Jinhua City, Zhejiang Province, a vibrant national economic development zone. It's a company with cutting-edge R & D team of pathology equipment and other medical equipment. The company is committed to the development of the industry's high-end sophisticated products, independent research and development of scientific and technological innovation as the core competitiveness, attention to independent intellectual property rights construction, establish a "Quality of China" boutique strategy, dare to become world-class products.

The company has four-axis machining centers, automatic CNC lathes, high and low temperature environment simulation laboratories, high-precision projectors, all kinds of special medical equipment detector, other advanced manufacturing equipment, testing, and measuring equipment. Company management standard system is complete, in strict accordance with the medical equipment professional quality management system operation, keep making progress, with harsh quality requirements of self, with excellent product to witness the strength.

## 01

### Semi-automatic pathological slicing machine CR-601S

Our company's R&D team developed the CRAFTTEK CR-601S semi-motorized rotary microtome. This team was also the one who developed the first semi-automatic pathological microtome in China in the early 2000s. Ever since, numerous innovations and technical expertise have been incorporated into this machine. It features a humanization designed operation system, smooth rotation and sectioning, high-precision and maintenance-free operation. Unique specimen location, accurate blade holder, convenient handwheel locking device and mouse-control option, enable efficient operation, high-precision and safer sectioning. Optimized internal mechanisms improve the rigidity of the instrument.

This machine is designed for frequent and high-precision sectioning in hospitals, medical colleges, research laboratories, inspection and quarantine institutions for animal and plant, and judicial identification institutions. Performance meets German machines.

Below is the link of working video:

CR-601S: <https://youtu.be/pPYqnM3-9Pk>

CR-601ST: <https://youtu.be/CjDE6DJcYJE>

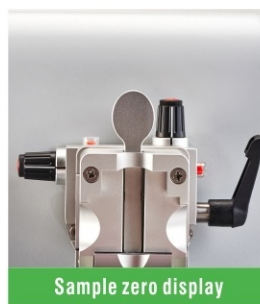
<https://youtu.be/ZF52DgT4hdg>



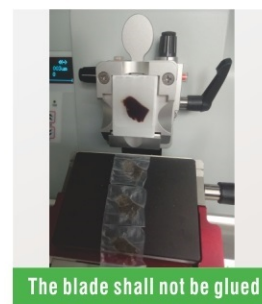
#### Technical specification:

- ⊗ Section thickness
- ⊗ Setting range: 0.5 – 100  $\mu$ m
- ⊗ Setting values: from 0.5 – 2  $\mu$ m in 0.5  $\mu$ m increments
- ⊗ From 2 – 20  $\mu$ m in 1  $\mu$ m increments
- ⊗ From 20 – 50  $\mu$ m in 5  $\mu$ m increments
- ⊗ From 50 – 100  $\mu$ m in 10  $\mu$ m increments
- ⊗ Trimming section thickness
- ⊗ Setting range: 1 – 600  $\mu$ m
- ⊗ Setting values: from 1 – 10  $\mu$ m in 1  $\mu$ m increments
- ⊗ From 10 – 20  $\mu$ m in 2  $\mu$ m increments
- ⊗ From 20 – 50  $\mu$ m in 5  $\mu$ m increments
- ⊗ From 50 – 100  $\mu$ m in 10  $\mu$ m increments
- ⊗ From 100 – 600  $\mu$ m in 50  $\mu$ m increments
- ⊗ Object feed: 30mm
- ⊗ Vertical specimen stroke: 70mm
- ⊗ Specimen orientation: horizontal:  $\pm 8^\circ$ , vertical:  $\pm 8^\circ$
- ⊗ Specimen retraction: 5 – 100  $\mu$ m in 5  $\mu$ m increments, can be turned off
- ⊗ Electric coarse feed: 20  $\mu$ m/press and 800  $\mu$ m/s
- ⊗ Adjusting distance of blade holder base:  $\pm 24$  mm forward and backward
- ⊗ Maximum specimen size (L x H x W): 50 x 60 x 40 mm
- ⊗ Dimensions of basic instrument: Width (incl. handwheel): 428mm
- ⊗ Depth (incl. waste tray): 577mm
- ⊗ Height: 286mm
- ⊗ N.W. / G.W.: 29/35 kg
- ⊗ Work temperature:  $+10^\circ\text{C} \sim +35^\circ\text{C}$
- ⊗ Work humidity: <80%, no condensation water
- ⊗ Nominal supply voltages: 100~240V AC ( $\pm 20\%$ )
- ⊗ Nominal frequency: 50/60 Hz
- ⊗ Power draw: 70W

\*\*Technical specifications are subject to change without notice.



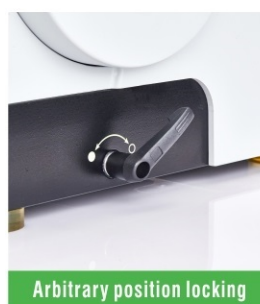
Sample zero display



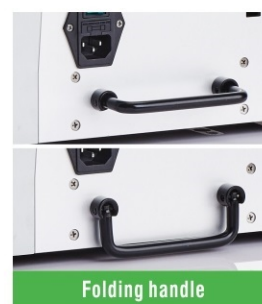
The blade shall not be glued



Handwheel safety quick lock



Arbitrary position locking



Folding handle



Quick change blade

02

## 2-mode Rotary Microtome CR-601ST



### Technical specification:

- ⊗ Sectioning thickness range: 0.5~100μm
- ⊗ Setting values: from 0.5~2μm in 0.5μm increments
- ⊗ From 2~20μm in 1μm increments
- ⊗ From 20~50μm in 5μm increments
- ⊗ From 50~100μm in 10μm increments
- ⊗ Trimming section Thickness range: 1~600 μm
- ⊗ Setting values: from 1~10μm in 1μm increments
- ⊗ From 10~20μm in 2μm increments
- ⊗ From 20~50μm in 5μm increments
- ⊗ From 50~100μm in 10μm increments
- ⊗ From 100~600μm in 50μm increments
- ⊗ Object feed: 30mm
- ⊗ Vertical specimen stroke: 70mm
- ⊗ Specimen orientation: horizontal: ±8°, vertical: ±8°
- ⊗ Specimen retraction: 5~100 μm, in 5 μm increments, can be turned off
- ⊗ Electric coarse feed: 20 μm/click and 1000μm/s
- ⊗ Blade holder base movement: ±24 mm
- ⊗ Maximum specimen size (L x H x W): 50 x 60 x 40mm
- ⊗ Dimensions basic instrument:
- ⊗ Width (incl. 2 handwheels on both sides): 480mm
- ⊗ Depth (incl. waste tray): 577mm
- ⊗ Height: 286mm
- ⊗ Net Weight : 29 kg
- ⊗ Work temperature: +10°C~+35°C
- ⊗ Work humidity: <80%, no condensation water
- ⊗ Nominal supply voltages: 100~240V AC (±20V)
- ⊗ Nominal frequency: 50/60 Hz
- ⊗ Power draw : 70W

This machine can be operated with 2 modes: panel control mode, and 2nd hand wheel control mode.

Rotate the 2nd smaller hand wheel (which controls the servo motor in the machine) at the left side of the instrument clockwise or counter-clockwise, to enable fast movement of the specimen feed or retraction. It imitates a fully manual operating machine. This function meets the requirements of skillful operators, and improving the work efficiency greatly.

The operators can also press the buttons on the panel to enable the movement of specimen feed or retraction, like a standard semi-automatic instrument does.

The operators can work alternatively with the two control modes.

03

## Water Bath for Paraffin Sections CR-H210



### Features:

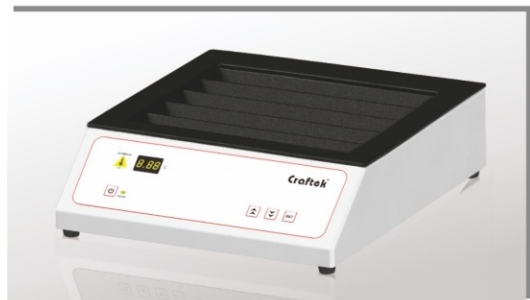
- ⊗ Accurate temperature control, high thermal conductivity rates, and overheating protection.
- ⊗ Scratch-resistant and anti-corrosion coating with special material.
- ⊗ Jet-black surface provides better contrast to identify sections and an easy to clean surface.
- ⊗ Programmed as well as current temperatures are shown on an LED display, while the selected temperature set value is memorized via a built-in battery backup system.
- ⊗ The board, oversized rim of the water bath allows convenient storage for microscope slides, and the rounded inner corners of the instrument allow it to be cleaned easily and efficiently.
- ⊗ Dimensions match those of Craftek CR-H220 Flattening Table for side-by-side operation.

### Technical specification:

- ⊗ Temperature control range: room temperature to 75°C±1°C
- ⊗ Net weight: 5 kg
- ⊗ Outer dimensions (W x D x H): 310×350×95mm
- ⊗ Inner dimensions (W x D x H): 230×180×55mm
- ⊗ Nominal supply voltages: user's option
- ⊗ 100 VAC ± 10 % or 220 VAC ± 10 %
- ⊗ Nominal frequency: 50/60 Hz
- ⊗ Nominal power: 350 W

04

## Flattening table for clinical CR-H220



### Features:

- ⊗ Accurate temperature control, high thermal conductivity rates, and overheating protection.
- ⊗ Jet black scratch-resistant and anti-corrosion coating with special material.
- ⊗ Programmed as well as current temperatures are shown on an LED display, while the selected temperature set value is memorized via a built-in battery backup system.
- ⊗ Built-in inclined heating plates, even heating, more safe design to avoid broken slides or other injuries caused by falling down by accident.
- ⊗ Dimensions match those of Craftek CR-H220 Flattening Table for side-by-side operation.

### Technical specification:

- ⊗ Temperature control range: room temperature to 75°C±1°C
- ⊗ Net weight: 7 kg
- ⊗ Dimensions (W x D x H): 310×350×95mm
- ⊗ Maximum slides on the table: 45 pieces
- ⊗ Nominal supply voltages: user's option
- ⊗ 100 VAC ± 10 % or 220 VAC ± 10 %
- ⊗ Nominal frequency: 50/60 Hz
- ⊗ Nominal power: 450 W