



**SOCIETÀ ITALIANA CHIMICI**  
*Life Sciences*

## **Fully Automatic Microtome YD-355AT (Touch Screen Panel)**



The Fully Automatic Microtome YD-355AT provides utmost reliability, user benefit and outstanding operator comfort. Great basic stability and precision, make this microtome a real multi-purpose instrument that meets the requirements both in paraffin and hard sectioning techniques of the biological, medical and industrial lab

**Product specifications :**

- Fully automatic or manual model, Its two-in-one design concept, which allows motorized and manual sectioning, provides reproducible high-quality sections.
- Adopted Germany stepper Motor and motor drive ensure slice more precisely ,more reliable and quiet.
- The touch screen shows slice and trimming thickness ,section counter ,mode and speed, stroke distance
- Adjustment of cutting angle for blade holder from 0 to 15°
- Special function of specimen retraction which avoid the damage due to the

attrition between sample and the back of knife so that the sectioning is more smooth and the life of the knife is more longer .

- Blade Carrier for both of High and Low Profile Disposable Blades
- The hand wheel can be locked in any position to ensure the sectioning as safe and convenient as possible
- Smoothly running hand wheel, patented gravitational force compensation system of hand wheel enables very smooth and easy turn of hand wheel to obtain a uniform stroke for excellent, perfectly stretched sections
- The waste tray can be disassembled easily
- Safety alarm system , overload protection function, sleep mode protection
- Universal cassette clamp and standard specimen clamp
- Optional Blade carrier which can use Steel Knife or Blade Holder
- Emergency stop
- Foot Switch to control the Section
- Easy operation with Separated Control Panel
- Protection Guard
- Remote control panel set trimming or section thickness , stroke ,cutting speed
- Precise orientation of specimen clamp
- System of balance of hand wheel force: a special system to adjust the balancing force during the section, making the rotation easier and smoother

#### **Technical Data**

- Section thickness range: 0.5- 100 $\mu$ m  
Setting values :From 0.5-2 $\mu$ m in 0.5 $\mu$ m -increments  
From 2-10 $\mu$ 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
- Trimming section thickness range :5-500 $\mu$ m (600 /999 $\mu$ m is optional customization)
- Cutting speed 0 – 300mm/s ( 0-400 or 500mm/s is optional customization )
- Horizontal specimen stroke :20 mm(28 or 30mm is optional customization)
- Vertical specimen stroke : 60mm(70mm is optional customization)
- Specimen retraction from 0-220 $\mu$ m/turn on or off is optional customization
- Specimen feed speed 1250/s (click) ,2000 $\mu$ m/s(keep pressing) . (forward and reverse with 3 speed is optional customization,3 different speed is( 500 $\mu$ m/s or 1000 $\mu$ m/s or2000 $\mu$ m/s)
- Sample orientation:8°along the X-Y-axis,rotate 360°
- Precision error:  $\pm$  5%
- Maximum section size: 50  $\times$  45mm
- Voltage and power : 220v / 50Hz or 110 v /60Hz

- Net weight: 32kg
- Dimensions incl. tray (L/T/H): 500mm (L) X320mm (W) X500mm (H)

#### Standard Accessory

2 types Clamp

1 Blade Carrier (for disposable blade )

1 Waste Tray

4 pcs Tissue Molds

50pcs Cassettes

2 pcs Fuse

#### Optional Accessory

Blade Carrier(for Blade holder or Steel knife)

Blade Holder

Microtome Disposable Blade

Steel Knife

See Price list for more detail !

