

OTF6000 Cryostat Specification

 **MADE IN BRITAIN**

Bright
Instruments

Introduction

Based on the long-established and reliable OTF cryostat range, the new OTF6000 brings Bright cryostats completely up to date. New styling with improved user ergonomics, the latest blade systems in the powerful 5050 microtome, plus a huge choice of money-saving package deals make these cryostats absolutely unique.

They are suitable for an endless range of applications and in the correct configuration are capable of cutting a wide diversity of specimens from undecalcified bone to brain, resins, plastics and plant tissue as well as more usual soft tissue. Allowing full anti-roll plate adjustment for perfect results coupled with long lasting temperature stability, the OTF6000 can truly be described as complete.

Features and Benefits

- New streamline top for added operator comfort and usability.
- Suitable for research and clinical operation.
- Switch easy between solid knives or disposable blades using our new interchangeable knife block.
- Automatic evaporator defrost supplied as standard.
- Touch screen controls.
- Long list of options and accessories.
- Contains the new 5050 rotary microtome.
- RFID secure access locking window as standard.
- Built in UV decontamination as standard.
- Built in foot rest.
- Waste collection bottle.
- Heated anti-fog window.
- Downloadable user log data.

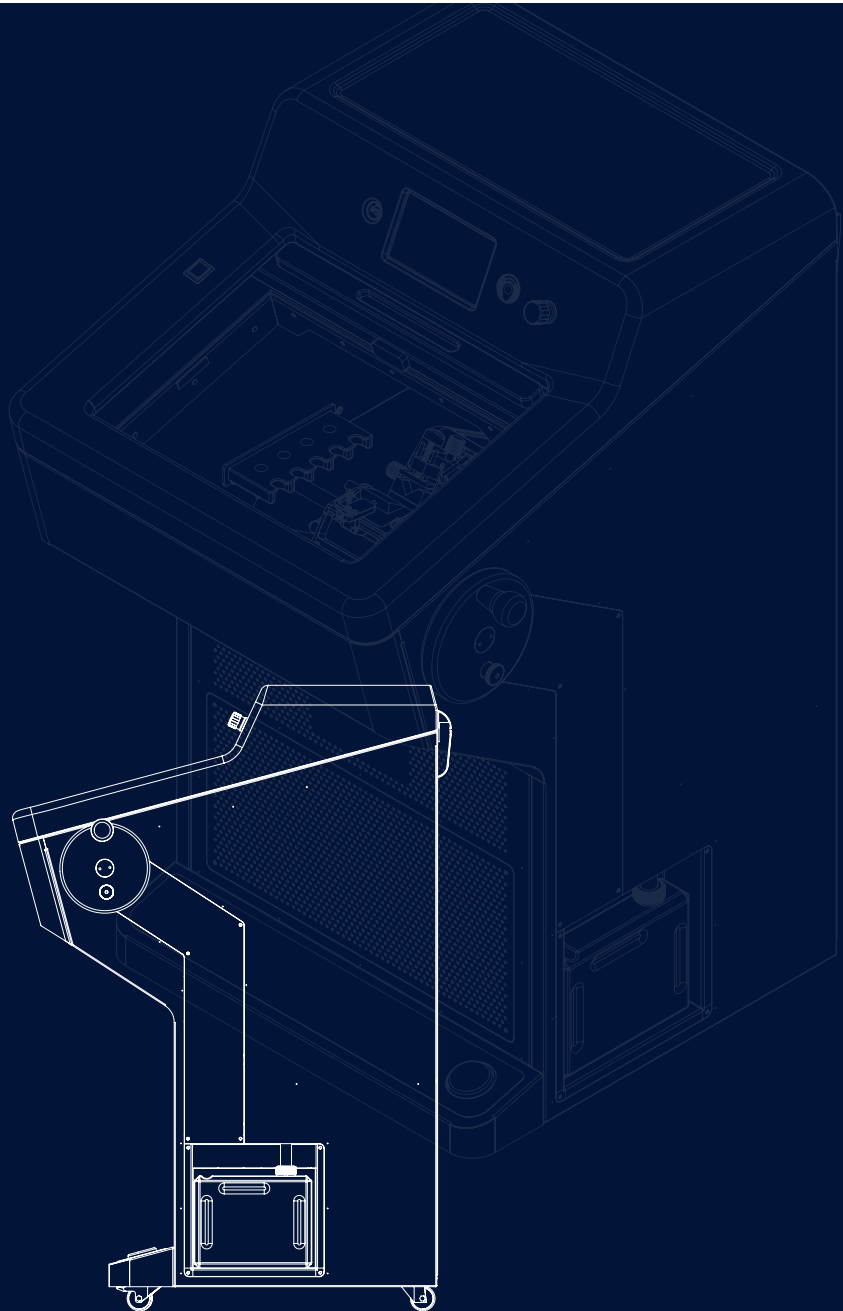
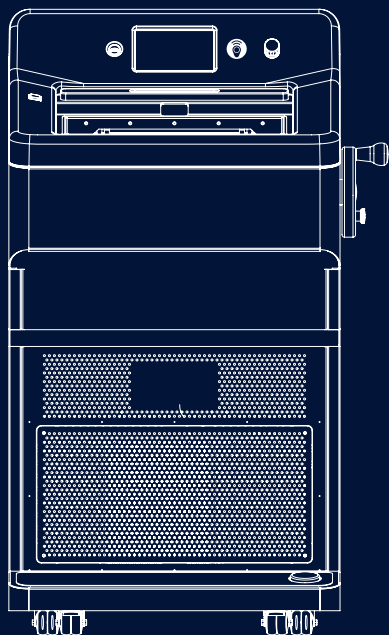
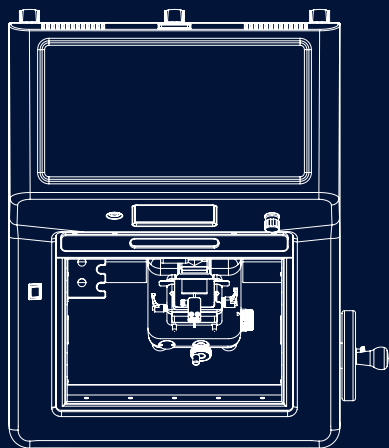
The Microtome

The new 5050 interchangeable knife block now allows the user to quickly and easily change between the solid knifeblock that accepts many different types of knives including tungsten carbide tipped knives and the QRFBH that accepts Feather™ disposable blades.

The 5050 is available with or without specimen orientation and orientation and can cut sections between 1µm and 60µm thick.

When used in its cryostat form, the 5050 is complimented by the Easi-Set anti-roll plate which enables the easiest of all setting up procedures and cutting preparation times are kept to an absolute minimum.

A wide range of accessories increase versatility and widen the scope and ease of use of the microtome. Motorised drive is available which, whilst still permitting manual control, facilitates extra slow cutting for added power free from vibration, and allows ultra-repeatability of sections. Motorised advance/ rewind is also available; this function has two speeds for accurate and rapid alignment of the specimen to the knife.



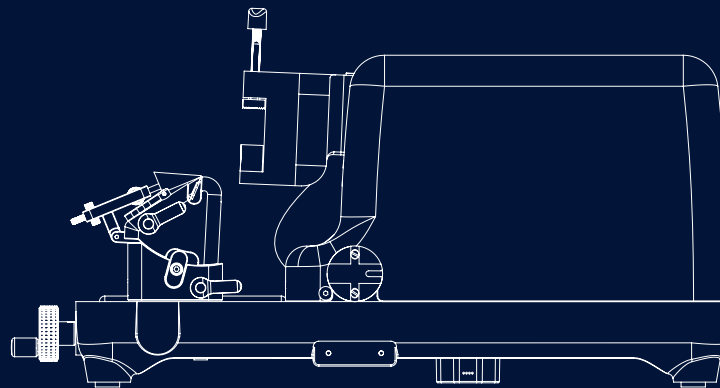
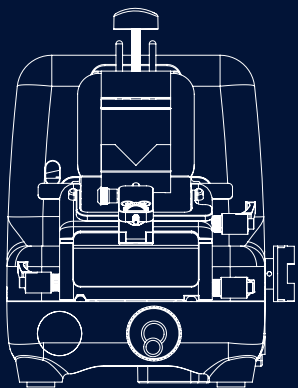
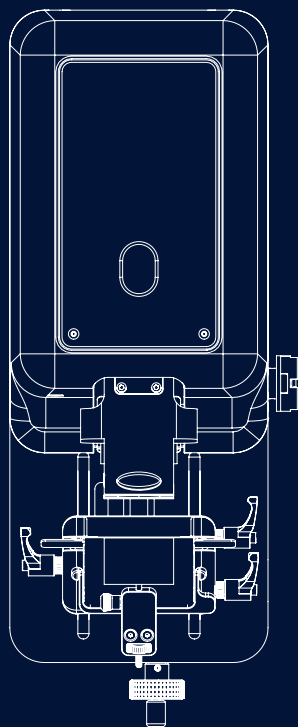
Cryostat Specification

Feature	Low Spec	Hi Spec
Powder Coated Welded Steel Chassis	Yes	Yes
Colour Touchscreen Display	Yes	Yes
Physical Specimen Advance/Rewind Switch	Yes	Yes
Manual Handwheel Drive	Yes	Yes
Motorised Handwheel Drive	No	Yes
Emergency Stop	No	Yes
Built In Footswitch	No	Yes
Refrigeration	-35 (Single Compressor)	-40 (Dual Compressor)
Quick Freeze Block	Yes	Yes
Anti Fog Window	Yes	Yes
Window Lock RFID Access	Yes	Yes
Built In Waste Collection Bottle	Yes	Yes
Heated Specimen Block	Yes	Yes
UV Decontamination	Yes	Yes
Refrigeration Alarm	Yes	Yes
Recent User Log Records	Yes	Yes

Dimensions	H1300 x W890 x D900mm
Packing	Net weight (Manual): 146kg Gross weight (Manual): 186kg Packing dimensions: H1540 x W900 x D1060mm Shipping volume: 1.632m³

Weights vary according to specification of instrument

Microtome Specification



Construction

Rotary rocking design of cast alloys, with detergent and solvent resistant epoxy-polyester finish.

Section Thickness Range

1-60µm in 1µm steps.

Specimen Advance

5600µm (Total).

Knife Block Movement

44mm (Total).

Retraction

Approximately 50µm.

Cutting Stroke

56mm.

Specimen Orientation

None (Fixed Head).
± 8° horizontal and vertical (Orientating Head).

Maximum Specimen

Size 70mm x 50mm

Remaining Feed Indicator

Visual display.

Knife Holders

New interchangeable solid and QRFBH knifeblocks can take conventional steel knives; tungsten carbide tipped knives, glass knives and disposable blade holders. Sliding knife carriage with central lock. Alternatively, the quick release Feather blade holder is available as an optional feature either in addition to or in place of the standard knife holder block.

Motorised Section Cutting

(Hi Spec Only) With variable speed, variable cutting zone, single or continuous modes, hands off footswitch and emergency stop.

Safety Features

- Counter-balance handwheel with safety lock.
- Built in knife guards.
- Locking window.
- Requires RFID tag or password to access the touch screen controls.

Dimensions

H300 x W300 x D500mm

Weight

Net weight (Manual): 20kg
Gross weight (Manual): 25kg

Weights vary according to specification of instrument



WolfLabs

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.