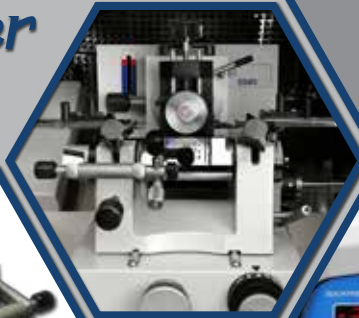
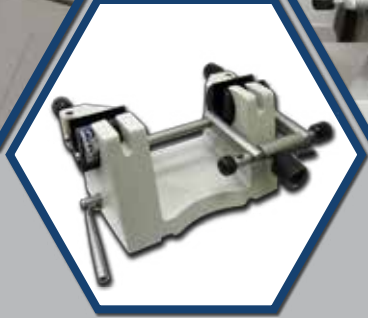


*Bright*  
**OTF 5000 Cryostat**

from *Hacker*



2015

**Hacker**

Instruments & Industries Inc

# Why the OTF 5000?

*Unparalleled Refrigeration, Performance and Quality*

The Bright OTF cryostat from Hacker is legendary for its quantitative sectioning capabilities and virtually fail-proof refrigeration. Tested in laboratories across the world, it is the instrument of choice within the research community. The ever increasing demands of the clinical market also make the OTF an ideal microtome cryostat for routine clinical applications.

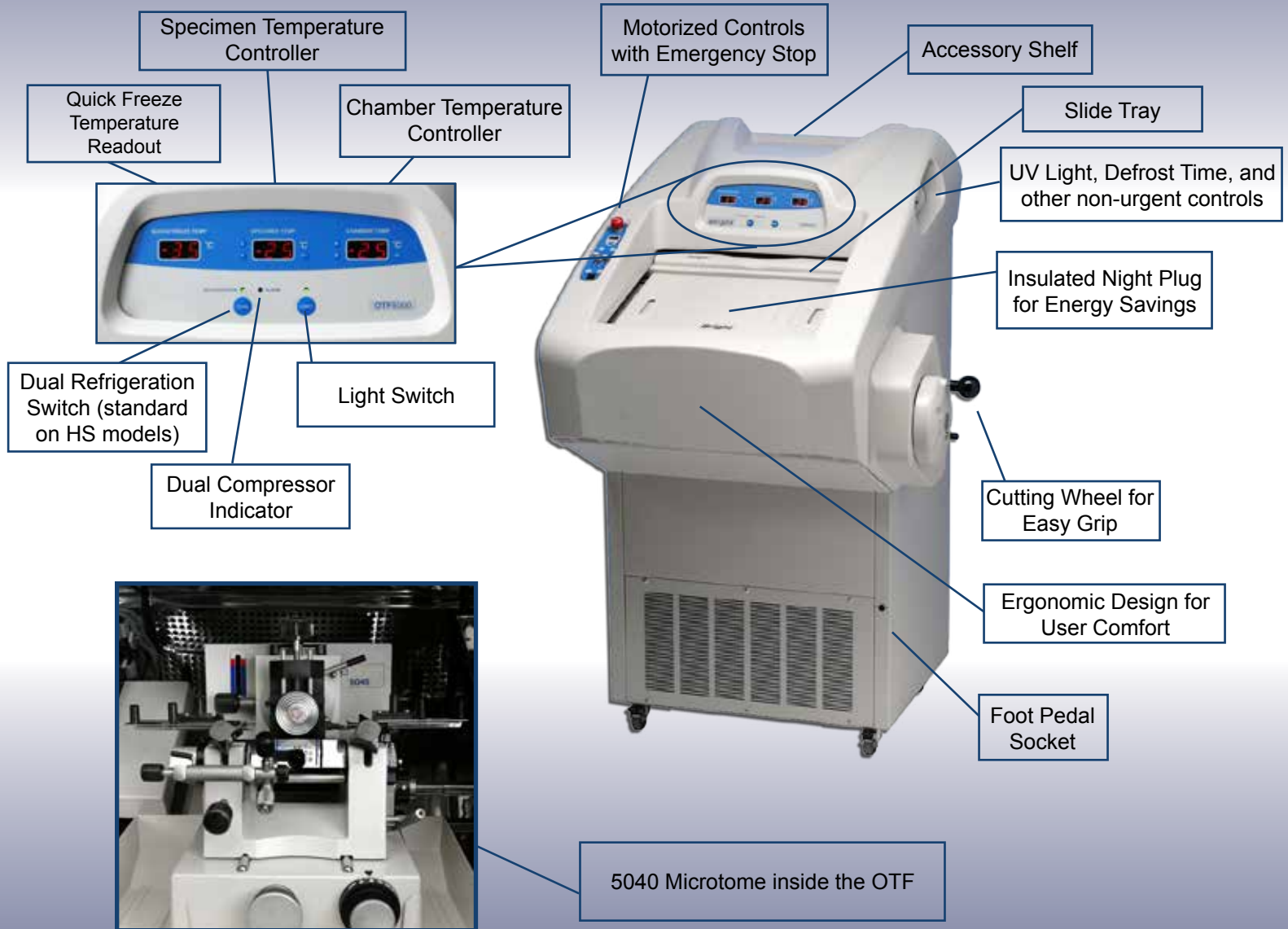
The OTF is one of the most versatile, dependable and user friendly microtome cryostats available. Over the years, our original design has been fine tuned to satisfy user preferences. The modular design allows a user to adapt their instrument to an unlimited range of applications. If your needs change, the OTF has the built in flexibility to change along with you. From routine clinical pathology to exacting quantitative analysis; the OTF user is insured consistent, superior performance.



# OTF 5000

Microtome Cryostat

## The Anatomy of the OTF5000



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**Hacker**  
Instruments & Industries Inc.

Since 1942

# OTF 5000 Packages

<p>OTF/LS-002</p> <p>Especially geared for brain sectioning and other difficult-to-section tissue such as breast.</p>	<p>-35° operation with heavy duty single compressor, auto-defrost and buffered quartz timer; built-in freezer digital temperature displays; Model 5040 rotary-retracting microtome with 1/60µm advance and standard knife block.</p> <p><b><u>Specimen Temperature control:</u></b></p> <ul style="list-style-type: none"> <li>• Allows rapid changes to be made to the specimen temperature, above the chamber temperature</li> <li>• Creates a positive temperature difference between the knife and the specimen so the section will always be delivered onto a surface colder than itself</li> <li>• Ideal when different tissues need to be cut at different temperatures</li> </ul> <p><b><u>Object orientation with fine adjustment mechanism:</u></b></p> <ul style="list-style-type: none"> <li>• Allows for accurate orientation of the specimen in both X &amp; Y planes</li> <li>• Includes both macro and micro adjustment knobs</li> <li>• Firm clamping system for error free sections</li> </ul> <p><b><u>Motorized advance and rewind for rapid control of head position:</u></b></p> <ul style="list-style-type: none"> <li>• Two-speed advance/rewind provides slow, rapid, or incremental advances</li> <li>• Auto reset returns cutting head to start position quickly</li> </ul> <p><b><u>Also Features:</u></b> Adjustable anti-roll plate for cutting difficult specimen such as brain</p>
	<p>Cat. No. OTF 5000/LS-002 <span style="float: right;">\$32,500.00</span></p>
<p>OTF/LS-004</p>	<p><b><i>Includes all features of the LS-002 along with:</i></b> Microtome with Quick Release Feather Blade Holder in place of Standard Knife Block. All other features as listed above.</p>
	<p>Cat. No. OTF 5000/LS-004 <span style="float: right;">\$32,950.00</span></p>
<p>OTF/HS-002</p> <p>Suitable for any tissue or material sectioning</p> <p>For advanced research and extensive experimentation with automated sectioning</p>	<p><b><i>Includes all features of the LS Models, along with:</i></b></p> <p><b><u>Dual Refrigeration System:</u></b></p> <ul style="list-style-type: none"> <li>• Individually selectable dual compressors for 24/7/365 reliability</li> <li>• Ability to reach -45° C chamber temperature with both compressors</li> <li>• Advanced sharing algorithm to extend individual compressor life; reliable logic to adjust compressor cycles to maintain selected temperature even upon compressor failure</li> </ul> <p><b><u>Robomatic Motor Drive for automated or manual sectioning:</u></b></p> <ul style="list-style-type: none"> <li>• Provides hands-free operation for ergonomic use as well as extremely smooth cutting velocities for continuous or single sections</li> <li>• Advance cutting window to adjust speeds at different cutting locations for various tissue sizes</li> <li>• Variable speed capability to match varying tissue textures</li> </ul> <p><b><u>Also Features:</u></b> Informative Control Panel: 6-digit intelligent display with section counter and modern troubleshooting display</p>
	<p>Cat. No. OTF 5000/HS-002 <span style="float: right;">\$39,500.00</span></p>
<p>OTF/HS-004</p>	<p><b><i>Includes all features of the HS-002 along with:</i></b> Microtome with Quick Release Feather Blade Holder in place of Standard Knife Block. All other features as listed above.</p>
	<p>Cat. No. OTF 5000/HS-004 <span style="float: right;">\$39,950.00</span></p>

Standard Accessories: 3 plain object holders, 18cm "C" profile knife or pack of disposable blades, knife cleaning brush, 3 Allen keys, spare fuses, Cryo-M-Bed, spare anti-roll plate, debris tray, utility shelves, debris plug, low temperature oil, operating manual

Instrument Dimensions:  
49" (H) x 33" (D) x 30-35" (W) (manual/motor drive);  
Weight 265 lb min / 420 lb max

**All models include 1 year complete warranty.**

OTF 5000

*Ancillaries & Replacements*

	Cat. No.	Description	PRICE USD
Inter-changable advance movements	10 70 12	0.2/12 $\mu$ m	\$1,812.00
	10 70 13	0.5/30 $\mu$ m	\$1,590.00
	10 70 14	1/60 $\mu$ m	\$2,053.00
	10 70 50	2/120 $\mu$ m	\$2,168.00
	10 70 55	3/180 $\mu$ m	\$2,205.00
	10 70 56	5/300 $\mu$ m	\$3,415.00
Plain object holders; use directly in microtome or "O" ancillary (10 70 18)	10 70 07	5 mm diameter	\$107.00
	10 70 08	22 mm diameter	\$86.00
	10 70 09	37 mm diameter	\$202.00
	10 70 10	50 mm diameter	\$252.00
	10 70 11	50 x 50 mm diameter	\$483.00
Plain object holders, longer length	10 70 08-1	22 mm longer length	\$86.00
	10 70 09-1	37 mm longer length	\$202.00
Orientable object holders	10 70 201	Universal holder for 5, 23, 37, & 50 mm object holders	\$1,340.00
	10 70 21	5 mm diameter, aluminum	\$140.00
	10 70 22	22 mm diameter, stainless steel	\$89.00
	10 70 23	37 mm diameter, stainless steel	\$180.00
	10 70 24	50 mm diameter, stainless steel	\$295.00
		<b>Order 5 or more of one size orientable object holder for 10% discount</b>	
Tubular object holders. Not for use with "O" ancillary (10 70 18)	10 70 26	22 mm diameter	\$140.00
	10 70 30	Object holder - 50 x 70 mm	\$445.00
For large sectioning, e.g. brain, whole small animals	10 70 32	Modification to standard anti-roll device for 70 mm sections	\$2,525.00
	10 70 34	Knife extension plate to hold 50 x 70 mm sections	\$556.00
	10 70 38	Modification to microtome - extension of knife block excursion	\$315.00
	10 70 45	Trough and knife conductor, right side	\$390.00
	10 70 47	Trough and knife conductor, left side	\$390.00
Microtome Knives	13 27 18	H/I "Cryo-C" Cryostat knife, Profile "C", 22°, 18 cm	\$540.00
	13 20 16	Profile C, 16 cm	\$450.00
	13 20 18	Profile C, 18 cm	\$510.00
For sectioning calcified tissue	13 00 80	Tungsten Carbide Edge, Profile "D" - 16 cm	\$2,850.00
	13 00 82	Tungsten Carbide Edge: Profile "C" 22° - 22/16 cm	\$3,200.00
For glass knives	10 10 05	Glass knife holder for "Ralph" knives	\$1,750.00
	10 70 15	Pyramid Glass Knife Holder, (6-12 mm glass) fully orientable	\$2,600.00
Coverglass	10 75 40	SuperSlip™ Glass Coverslips 24 x 40 (10oz)*	\$115.00
	10 75 50	SuperSlip™ Glass Coverslips 24 x 50 (10oz)*	\$115.00
	10 75 60	SuperSlip™ Glass Coverslips 24 x 60 (10oz)*	\$115.00
	*Special pricing considerations for coverglass are available, contingent on volume		

All prices subject to change without notice

OTF 5000

*Ancillaries & Replacements*

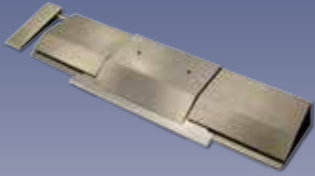
	Cat. No.	Description	PRICE USD
"Magnacut" special disposable knife system	10 70 63	"Magnacut" magnetic knife holder	\$1,750.00
	11 70 64	Magnetic knife holder with Magnaplate anti-roll	\$1,975.00
	11 70 50	Magnetic knife holder with standard anti-roll	\$2,100.00
	10 70 62	Magnaplate anti-roll guide plate (part of 10 70 64) for use with disposable knives	\$105.00
	11 55 10	Disposable Magnacut blades, packet of 10	\$150.00
Miscellaneous	11 70 53	High/low profile blade holder (uses 11 70 52 or 11 70 58)	\$1,550.00
	11 70 56	High Profile blade holder (uses 11 70 58 only)	\$1,550.00
	11 70 54	Low Profile blade holder (uses 11 70 57 only)	\$1,550.00
	11 70 55	Heavy duty blade holder w/ extended handle (uses 11 70 57 only)	\$1,550.00
	11 70 58	H/I Disposable high profile blades, pkg of 60 ea	\$183.00
	11 70 52	H/I Disposable low profile blades, pkg of 50 ea	\$180.00
	11 70 57	H/I Disposable heavy duty blades, pkg of 35 ea	\$204.00
	11 70 65	Lab Tek object holder, adaptor, for quick-freezer, set of 2	\$410.00
	11 70 82	Set of 2 shelves	\$570.00
For storage of samples of LN2	11 70 18	Quick release object holder for microtome clamp, complete with (50) 22 mm object discs	\$2,425.00
	11 70 19	Extra set of (50) discs	\$595.00
Anti-Roll Plates	10 70 72	Shaft, 72 mm long, for anti-roll plates	\$42.00
	10 70 69	Anti-roll plate, 37 mm long	\$170.00
	10 70 66	Anti-roll plate, 50 mm long	\$170.00
	10 70 67	Anti-roll plate, 76 mm long	\$170.00
	10 70 68	Anti-roll plate, 93 mm long	\$170.00
Replacements			
	11 70 74	Fluorescent tube	\$26.00
	11 70 76	Cyro-M-Bed, 113 ml (4oz)	\$57.00
	11 70 25	Low temperature oil, amber	\$78.00
	11 40 49	Installation & Operation Manual	\$95.00
	10 70 19	Service Manual	\$105.00

*All prices subject to change without notice*

Cryostat ancillaries, replacement parts  
and consumables available at  
[www.tidylabstore.com](http://www.tidylabstore.com)

OTF 5000

## Knives & Holders



### Lever Release Disposable Blade Holder

The disposable blade holder fits into the existing knife block holder for use of disposable and feather blades. It is very easy to install and the entire length of the blade can be utilized. Ideal for all soft tissues, and very good for brain tissue



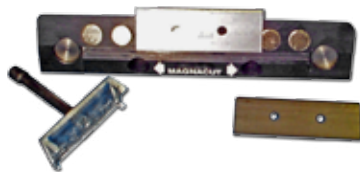
### Standard Knife Block

The standard knife block holder permits the use of both C and D profile steel knives, as well as tungsten carbide knives. The standard knife block provides easy adjustment of the knife angle and can easily be changed with the quick release feather blade holder



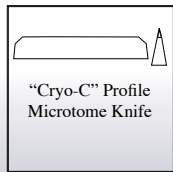
### Quick Release Feather Blade Holder

The Quick Release Feather Blade holder allows the use of the entire blade length and allows the angle of the blade to be adjusted without adjusting the blade position. Feather blades are ideal for all soft tissue, and a very good solution for brain sectioning



### Magnacut Disposable Blade Holder

Long-lasting Magnacut blades provide the flexibility to use disposable blades and increases the time between replacements. The blades are held by a strong magnet providing security and precision. The blade adjustment tool permits the entire length of the blade to be utilized. Magnacut blades can be used for all soft tissues except brain - they can also be used on tougher tissues, but not bone.



### Hacker "Cryo-C" Microtome Knife

Specifically designed for the OTF Cryostat. 18cm "C" profile knife with a 22° cutting angle



### Hacker Disposable Knives

Available in high and low profile, heavy duty and "Select" grade

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Renowned Performance



## A Perfect Match

**Bright OTF 5000 Microtome Cryostat *from* Hacker**

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Cryostat  
Portable Bench-  
Top Micro-Cryostat



8250 & 9400  
Electro-Linear Sledge Microtome  
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