

mmi CellCut SPECIFICATIONS

Item	Specifications
Samples	For all relevant application samples (e.g. cryo or paraffin-preserved tissue single cells, cell compartments, cytopspins, chromosomes etc.)
"Live Cell" handling	Positive and negative cell selection / isolation possible
Picosecond UV, solid state laser	Computer controlled Wavelength: 355 nm Pulse duration: <500 psec Pulse energy/average energy: <1 µjoule/appr. 4 mW Repetition rate: <5 kHz System complies with IEC 60825-1 Am. 2: 2001. Class 1M laser product (invisible laser radiation. Do not view directly with optical instruments)
CapLift technology	SW-controlled, covering full slides; unique and contamination free technology
Digital camera with ultra high sensitivity	Digital colour: 2,088 x 1,550 pixels or Digital colour: 1,392 x 1,040 pixels or Digital monochrome: 1,392 x 1,040 pixels Compact housing and FireWire connection
UV-Cut software basic functions	Laser energy and focus control Full slide and Petri dish control Inspection mode with positive target identification Saving multi-user profiles MultiGroup functions across entire samples / slides Autodocumentation for sample, images and parameters
PC and Monitor	Specifications will be continuously updated according to market developments Windows XP Professional, 19" LCD Monitor (with high contrast)
Motorised stage	Computer-controlled for high-precise movement/cutting Travelling range: 120 x 100 mm Step width: 0.075 µm Repositioning accuracy: 1 µm
Options	
Pen Screen system operation	Sensitive 17" or 21" touch screen monitor for user friendly system operation and to allow direct target identification with a special pen
mmi CellExplorer image analysis software	Identifies and cuts automatically defined targets based on user settings
mmi MultiCap (motorized)	Allows automatic collection of targets in up to 8 different IsolationCaps
mmi MultiSlide	For microdissection of 3 slide assemblies
X-Cite metal halide illuminator	cold light, no adjustments, 10x longer lifespan
Possible CellCut system upgrade	
mmi CellManipulator optical tweezer system	Ultra precise, contact-free manipulation of microscopic particles with up to 10 independent beams on a high-quality, Nd: YAG infrared laser

mmi CellCut can be delivered together with Nikon TE2000 series or Olympus IX2 series.



Swiss Precision

MMI AG
Flughofstrasse 37
8152 Glattbrugg, Switzerland
Phone: +41 44 809 10 10
Fax: +41 44 809 10 11
info@molecular-machines.com
www.molecular-machines.com

MMI GmbH
Breslauer Strasse 2
85386 Eching, Germany
Phone: +49 89 319 048 40
Fax: +49 89 319 048 59
info@molecular-machines.com
www.molecular-machines.com

MMI Inc.
P.O. Box 560728
Rockledge, FL 32956-0728, USA
Phone: +1 603 629 9536
Fax: +1 321 978 0304
sales_us@molecular-machines.com
www.molecular-machines.com