

# 1041S, 1055S AND 1080S CO<sub>2</sub> Lasers



## CHAR-FREE INCISION AND ABLATION

The 40 watt 1041S model, 55 watt 1055S model and the 80 watt 1080S model laser systems feature a precise and consistent control of char-free incision and ablation. The high energy pulse mode characteristics of each model provide unique high frequency sequencing that automatically delivers the optimal output for char-free tissue effects at high and low power settings.

- High utilization in every specialty
- SurgiTouch compatible for char-free, layer-by-layer tissue ablation
- Unique periscope design
- Weightless, spring-balanced arm with a 79" reach
- Motorized height adjustment
- Sleek design
- Small footprint
- Soft-touch control panel and user prompts
- Programmable memory protocols
- Large, brightly-lit display
- Second display on periscope for improved visibility from operating field
- User-friendly menus in most major languages
- Adjustable bright 5mW He-Ne aiming beam with continuous, "blinking" and "off-at-lasing" modes



**Soft touch control panel**  
Enhanced functionality and ease of use

# 1041S, 1055S AND 1080S CO<sub>2</sub> Lasers

## Carbon Dioxide, Sealed-off, DC-excited

Model:	1041S / 1055S / 1080S
Wavelengths:	10.6µm, infrared
Mode Structure:	TEM <sub>00</sub>
CW Power:	0.1 to 40W / 0.1 to 55W / 0.1 to 80W
SuperPulse Average Power:	0.5 to 17W / 0.5 to 20W / 0.5 to 20W
SharPulse Average Power:	5 to 40W / 5 to 50W / 5 to 55W
Pulse Width:	770usec (SharPulse)
Pulse Energy:	150mJ / 200mJ / 250mJ (SharPulse)
Peak Pulse Power:	430W / 800W / 430W (SuperPulse); 200W / 250W / 300W (SharPulse)
Pulse Repetition:	5 to 20Hz / 5 to 50Hz / 5 to 40Hz
Aiming Beam:	5mW red HeNe, adjustable intensity on/off while lasing, blink on/off
Beam Delivery:	Articulated arm, 200cm (79") reach, 200° periscope rotation
Controls:	Soft touch panel, footswitch
Timed Exposure:	On time (CW & SharPulse), 0.01 to 1.0 second On time (SuperPulse), 0.05 to 1.0 second
Repeat Delay:	Off time, 0.01 to 1.0 second
Memory Settings:	100 user-defined
Cooling:	Self-contained, closed cycle
Electrical:	• 100-140V, 10A, 50 or 60Hz • 200-240V, 5A, 50 or 60Hz
Dimensions (width x depth):	38cm W x 52cm D (15" W x 21" D)
Height fully lowered:	178cm (70")
Height fully raised:	205cm (81")
Weight:	132kg (290lbs)
Standards:	CE, UL

## Lumenis Global Sales Offices

**Lumenis Inc.**  
2400 Condensa Street  
Santa Clara, CA 95051 USA  
Tel 408 764 3000  
877 586 3647  
Fax 408 764 3999  
800 505 1133

**Lumenis (GERMANY) GmbH**  
Dreieich-Dreieichenhain,  
Germany  
Tel + 49 6103 8335 0  
Fax + 49 6103 8335 300

**Lumenis (FRANCE) SARL**  
Orsay, France  
Tel + 33 1 69 33 14 20  
Fax + 33 1 60 19 57 23

**Lumenis (ITALY) Srl.**  
Formello (RM), Italy  
Tel + 39 06 90 75 230  
Fax + 39 06 90 75 269

**Lumenis (UK) Ltd.**  
London, UK  
Tel + 44 20 8324 4200  
Fax + 44 20 8324 4222

**Lumenis (JAPAN) Co. Ltd.**  
Tokyo, Japan  
Tel + 81 3 5789 8300  
Fax + 81 3 5789 8310

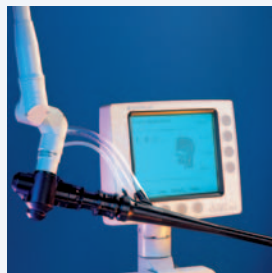
**Lumenis (CHINA) Ltd.**  
Beijing, China  
Tel + 86 10 6510 2620  
Fax + 86 10 6510 2621

**Lumenis (HK) Ltd.**  
Hong Kong  
Tel + 852 2174 2800  
Fax + 852 2722 5151

Internet: [www.lumenis.com](http://www.lumenis.com)

Email: [information@lumenis.com](mailto:information@lumenis.com)

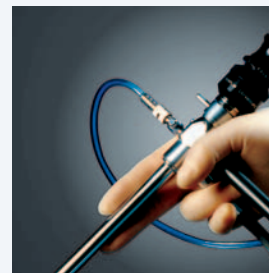
## SPECIAL DELIVERY SYSTEM ACCESSORIES



**SurgiTouch™**  
User Interface and Scanner



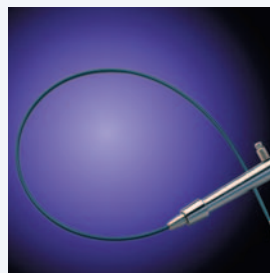
**AcuSpot™ 712**  
Small spot micromanipulator



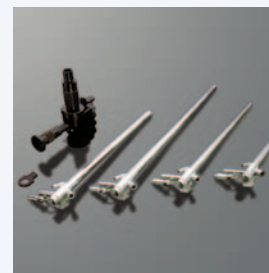
**BeamAlign™**  
Laparoscopic coupler



**AcuBlade™**  
Robotic laser microsurgery system



**FiberLase®**  
Flexible CO<sub>2</sub> Fibers



**Laser Bronchoscopy Set**  
For rigid laser bronchoscopy in the tracheal and bronchial regions



Lumenis, its logo, SurgiTouch, AcuSpot, BeamAlign, AcuBlade, and FiberLase are trademarks or registered trademarks of the Lumenis Group of Companies. Copyright © 2002 the Lumenis Group of Companies. All rights reserved.

Federal law restricts this device to sale by or on the order of a physician. Product specifications are subject to change without notice.

