



**Totaalleverancier
van lasers en medische
technologieën**



méér dan lasers ...

Laservision Instruments BV
+31 (0) 529 428 000

www.laservision.nl
info@laservision.nl

Benefits of the AcuPulse Family



Reproducible tissue management, tailored to patient anatomy

Precise



Comprehensive suite of surgical tools, supporting individual care of over 100 clinical indications

Versatile



Controlled and customized beam delivery with minimal interruption of adjacent tissue

Safe



Simple and intuitive user interaction and management of parameters

Easy to use



The AcuPulse™ Product Family
Comprehensive CO₂ Laser Platform

Manufactured by Lumenis Ltd.
Yokneam Industrial Park
6 Hakidma Street
P.O.B. 240
Yokneam 2069204, Israel
Tel: +972-4-959-9000

EC REP Lumenis (Germany) GmbH
Heinrich-Hertz-Str 3
D-63303
Dreieich-Dreieichenhain
GERMANY
Tel: +49 (0) 6103 8335 0

AMERICAS
San Jose, CA, USA
T +1 408 764 3000
+1 877 586 3647
F +1 408 764 3999

EMEA
Dreieich Dreieichenhain,
Germany
T +49 6103 8335 0
F +49 6103 8335 300

Roma (RM), Italy
T +39 06 90 75 230
F +39 06 90 75 269

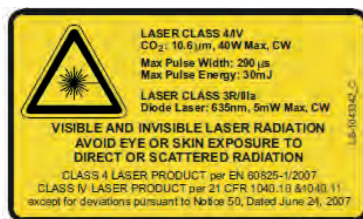
Hertfordshire, UK
T +44 20 8736 4110
F +44 20 8736 4119

JAPAN
Tokyo, Japan
T +81 3 4431 8300
F +81 3 4431 8301

ASIA / PACIFIC
Beijing, China
T + 86 10 5737 6677

Gurgaon, India
T + 91 124 422 07 95

Kowloon, Hong Kong
T + 852 217 428 00
F + 852 272 251 51



www.lumenis.com/Surgical

WARNING: For safety use, Indications and Contraindications refer to the Operator Manuals and Instructions for Use of Lumenis Laser system and accessories.
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The Family of CO₂ Laser Products.

Expanding your opportunities

The AcuPulse family of products is one your surgical sphere can grow with. The wide range of accessories, clinical indications for various configurations make the AcuPulse product line flexible and cost effective. You will be given the power not only to excel your performance but to enjoy opportunities only an upgradable family of products can offer.



Phase I - FOUNDATION

AcuPulse 30/40W

The foundation to precise CO₂ Laser energy delivery

Begin your partnership with the AcuPulse 30W/40W system which is designed to transmit the CO₂ Laser energy via an articulated arm. This system allows you to leverage on the clear benefits of the CO₂ Laser all the way to the desired clinical outcome.

Create your own matrix for desired tissue interaction by utilizing the systems' wide range of parameters, different lasing modes and beam exposure times.

Phase II - EVOLUTION

AcuPulse 30/40ST

Evolution in automated CO₂ Laser surgery

The AcuPulse ST is the synonym for super precision achieved by the SurgiTouch technology and its automated capabilities. **The Digital AcuBlade** Micromanipulator with **SurgiTouch scanner**, delivers laser energy inside a user defined geometric shape.

The rapid motion of the scanner takes the energy delivery and the entire operation to its highest precision level resulting in:

- **Maximum control** over incision length, ablation area and treatment depth
- **Replicated tissue interaction** customized to undesired tissue form and patient anatomy
- Up to **100 customized** laser parameters can be stored for future use.



Phase III - REVOLUTION

AcuPulse DUO

Revolution in patient driven technology

The addition of the CO₂ Laser Fiber to the well-established product offering opens a new sphere of patient care. With the ability to utilize the two valuable modalities on the same Laser console there is no need to compromise. The precision of the Digital AcuBlade alongside the flexibility of the fiber allows you to address any anatomy and to treat it with extra delicacy, resulting in virtually char free margins and minimal thermal necrosis.

Flexible Fiber

Dependable fiber delivery where it's needed most

- Renewable fiber tip for smooth and cost effective operation
- Aiming beam for accurate tissue targeting
- Compatible with flexible endoscopes
- Use during robotic assisted surgery
- Available with designated surgical tools

"Providing precise, individualized patient care can be challenging for ENT surgeons because of the broad spectrum of surgical situations that can arise during the procedure. With the combined modality of the CO₂ laser and the easy shift between free beam and fiber deliveries I can delicately address any clinical challenge while preserving healthy tissue, which is very important for the patient's recovery and comfort".

- Prof. Marc Remacle



Advanced, electronically controlled air management system.

3

Three power and time exposure modes that enables customized energy delivery for optimal tissue management:

CW

CW

Steady, continuous beam of energy. Optimal for when coagulation is desirable (the peak power is the set power)

P

Pulser

Constant frequency with variable pulse length yields the desired average power

SP

Super Pulse

Continuous series of short duration, high peak power pulses (average power is the set power), optimal for char free outcome



De Grift 20
7711 EJ, Nieuwleusen

www.laservision.nl | info@laservision.nl | 0529 - 428000 | [@laservision_instruments](https://www.instagram.com/laservision_instruments)