

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
to adjacent tissue

Customized

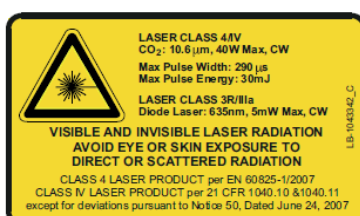


Simple and intuitive
user interaction
and management
of parameters

Easy to use

Risk Information

CO₂ lasers (10.6 µm wavelength) are intended solely for use by trained physicians. Incorrect treatment settings or misuse of the technology can present risk of serious injury to patient and operating personnel. The use of Lumenis CO₂ laser is contraindicated where a clinical procedure is limited by anesthesia requirements, site access, or other general operative considerations. Risks may include excessive thermal injury and infection. Read and understand the CO₂ systems and accessories operator manuals for a complete list of intended use, contraindications and risks.



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



© 2018 All Rights Reserved. The Lumenis Group of Companies. PB-2005135DE- C „Rev A
www.lumenis.com/Surgical

 **Lumenis®**
Energy to Healthcare



The AcuPulse™ Product Family

**Comprehensive CO₂
Laser Platforms**

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 system's wide range of parameters, different lasing modes and beam exposure times.



Advanced, electronically controlled air management system.



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



CW

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



Pulser

Constant frequency with variable pulse length yields the desired average power



Super Pulse

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

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
- Used 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 , Centre Hospitalier de Luxembourg

