

# Benefits of the AcuPulse Family



Precise



Versatile



Safe

Reproducible tissue management, tailored to patient anatomy

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



Easy to use

Simple and intuitive user interaction and management of parameters



The  
AcuPulse™  
Product  
Family  
Comprehensive CO<sub>2</sub>  
Laser Platform

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



# The Family of CO<sub>2</sub> 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 CO<sub>2</sub> Laser energy delivery

Begin your partnership with the AcuPulse 30W/40W system which is designed to transmit the CO<sub>2</sub> Laser energy via an articulated arm. This system allows you to leverage on the clear benefits of the CO<sub>2</sub> 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.



Advanced, electronically controlled air management system.



Three power and time exposure modes that enables 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)



**P**

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 CO<sub>2</sub> 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 CO<sub>2</sub> 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 CO<sub>2</sub> 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*

