

# BORN TO SIMPLIFY



## MULTIPULSE PRO

**CO<sub>2</sub> LASER SURGERY:  
POWER, AUTOMATION &  
MICROMETRICAL PRECISION FOR  
MICROSURGICAL EXCELLENCE**



### Main Application Fields

ENT MICROSURGERY & SURGERY |  
COLPOSCOPIC GYNECOLOGY |  
GENERAL SURGERY

Manufactured by  
Asclepion Laser Technologies GmbH

**JENA SURGICAL**  
LASER AT YOUR SIDE

## MultiPulse PRO

### MultiPulse PRO

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JenaSurgical introduces the **MultiPulse PRO** series – a range of surgical CO<sub>2</sub> lasers with 60 W or 40 W of maximum power in continuous mode. CO<sub>2</sub> lasers like the **MultiPulse PRO** are recognized as being minimally invasive, highly effective and scientifically proven with regards to surgery and microsurgery.

#### Application fields

ENT MICROSURGERY & SURGERY | COLPOSCOPIC GYNECOLOGY | GENERAL SURGERY

Simplify microsurgery for safer and comfortable treatments and methods, operating with:

- **Scanning shapes fully customized:** Providing the surgeon with cutting or ablation patterns, i.e. line, curve, circle, spiral, hexagon or clover shape of variable length and controlled depth
- Controlling the ablation depth, scanning speed & coagulation percentage:
  - Depth mode:** The operator can directly act on the cutting depth and the percentage of coagulation.
  - Power mode:** The operator can directly act on the emission power and dwell time of the laser beam on a scanning point.
- Specific ENT and Gynecology protocols

## MultiPulse PRO Accessories

### Handpieces

It offers numerous handpieces that fit to all needs of the professional user. The scanner enables treatments which are tailored to the individual patient.



Optics



Handpiece



Spacer

## MultiPulse PRO Accessories

### HiScan Surgical

It allows defined and accurate incisions to be performed, controlling the thermal damage.



**Max. Scanning Area**  
**Dwell Time From**  
**Selectable Ablation Depth**  
**Scanning Modes**  
**Scanning Shapes**

6.3 mm @ 400 mm EFL  
200  $\mu$ s to 300 ms  
From 100  $\mu$ m to 2 mm  
Power Mode and Depth Mode  
Line, arc of a circle up to complete the circle, spiral, hexagon (with normal and interlaced scan mode), ellipsoid motion on a circular surface  
Continuous Wave (CW) - Super Pulse (SP)  
ENT, Gynecology

**Emission Mode**  
**Application Fields**

### Hybrid EasySpot Micromanipulator

The specific instrument for operating in maximum safety even in delicate areas.



**Optical Technology**  
**Spot Size**

Focal Length: from 200 mm to 400 mm  
Min 140  $\mu$ m (200 mm EFL)  
Max 250  $\mu$ m (400 mm EFL)

**Operative Field @ 400 mm EFL**  
**Application Fields**

Min 20 x 18 mm - Max 55 x 40 mm  
ENT, Gynecology

### EndoScan

The scanner system for laparoscopic surgery and general surgery.



**Optical Technology**  
**Dwell Time**  
**Scanning Shapes**  
**Emission Modes**  
**Application Fields**

5 mm @ 300 mm EFL; 6.3 mm @ 400 mm  
From 100  $\mu$ s up to 1000  $\mu$ s  
Point Cut (CutMode), Circle, Clover  
Continous Wave (CW) – Ultimate Pulse (UP)  
ENT, Gynecology, General Surgery

MultiPulse PRO Specifications	
Laser Source	CO <sub>2</sub> RF-PSD
Wavelength	10,600 nm
Emission Mode	Continuous Wave (CW) – Ultimated Pulse (UP) – Smart Pulse (SP) – D Pulse (DP) – High Pulse (HP)
Power	0.1 – 60 W
Emission Time	0.01 – 0.9 S
Delay Emission Time	0.1 s – 5 s
Beam Delivery	Articulated arm with 7 mirrors and counterweight
Aiming Beam	Laser Diode @ 635 nm - 4 mW
Control Panel	LCD color touch screen
Accessories	1.5", 2", 4", 5", 7", 8" and collimated handpiece
Electrical Requirements	100-230 V ~ 50/60 Hz 1200 VA (max)
Dimensions and Weight	68 kg

## MultiPulse PRO



Find more info about  
**MultiPulse PRO**

Your professional expertise combined with scanner-assisted robotized systems can improve performance for all photoablative treatments.

### Applications

#### ENT

Transoral laser microsurgery (e.g. oncological surgery and phonosurgery)  
Endonasal Surgery

#### GYNECOLOGY

Colposcopy (e.g. dysplasia of lower genital tract)

#### GENERAL SURGERY



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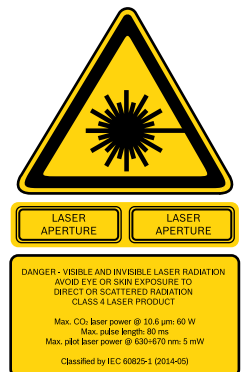
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JenaSurgical is the brand of the surgical business unit of Asclepion Laser Technologies.

**JENA SURGICAL**  
LASER AT YOUR SIDE



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