

**LASRAM**

# Medical laser lineup

2023



ENT (Ear Nose Throat)  
Dermatology  
Plastic surgery  
Gynecology  
Oral surgery  
Ophtalmology  
Laparoscopic surgery  
General surgery

[WWW.LASRAM.HU/MEDICAL-LASERS](http://WWW.LASRAM.HU/MEDICAL-LASERS)

**LASRAM**

# OPAL 10/25

## RF excited CO<sub>2</sub> laser

ENT (Ear Nose Throat)  
Dermatology  
Plastic surgery  
Gynecology  
Oral surgery  
Ophthalmology  
Laparoscopic surgery  
General surgery

Laser source	RF excited CO <sub>2</sub> (Sealed-off)
Wavelength	10600nm
Power on tissue	0.5-10/25W
Operating modes	Continuous (CW), Single pulse, Repeated pulse
Aiming beam	3mW 635nm diode laser
Beam delivery arm	7 joint articulated, spring balanced, 1300mm radius
Cooling	Air
Operating panel	Touch screen display, sound signal when READY
Memory	5 freely programmable + scanner parameters
Power supply input	230V, 50Hz, 4A, PE
Dimensions	Width: 375mm, Depth: 475mm, Height: 1150/1970mm



# OPAL L30/L50

## DC excited CO<sub>2</sub> laser with superpulse

ENT (Ear Nose Throat)  
Dermatology  
Plastic surgery  
Gynecology  
Oral surgery  
Ophthalmology  
Laparoscopic surgery  
General surgery

Laser source	DC excited CO <sub>2</sub>
Wavelength	10600nm
Power on tissue	0.1-30/50W
Power on tissue (superpulse)	0.4-12W/0.6-18W
Operating modes	Continuous (CW), Supe pulse, Pulse
Aiming beam	3mW 635nm diode laser
Beam delivery arm	7 joint articulated, spring balanced, 1300mm radius
Cooling	Air
Operating panel	LCD display
Memory	5 freely programmable + scanner parameters
Power supply input	230V, 50Hz, 4A, PE
Dimensions	Width: 375mm, Depth: 475mm, Height: 1150/1970mm

# VELAS

ENT (Ear-Nose-Throat)  
Dermatology  
Plastic surgery  
Gynecology

Oral surgery  
Ophthalmology  
General surgery



## Diode laser

Laser source	Diode laser
Wavelength	980nm / 1470nm
Power on tissue	1-30W @980nm / 1-15W @1470nm
Operating modes	Continuous (CW), Single pulse, repeat pulse
Aiming beam	650nm diode laser max. 5mW
Beam delivery	SMA905 connector and fibers of 400, 600, 1000µm
Operating panel	Color LCD display
Memory	Programmable
Power supply input	230V, 50Hz, 4A, PE
Dimensions	Width: 400mm, Depth: 385mm, Height: 200mm



# Dental

## Diode laser

ENT (Ear-Nose-Throat)  
Plastic surgery  
Oral surgery  
Dentistry - tooth whitening  
Veterinary application  
General surgery

Laser source	Diode laser
Wavelength	450/635/810/980nm
Power on tissue	0.1-4W @450nm/10mW-200mW @635nm
Power on tissue	0.1-8W @810nm/980nm
Operating modes	Continuous (CW), Single pulse, repeat pulse
Aiming beam	650nm diode laser max. 5mW
Beam delivery	SMA905 connector and fibers of 300, 400µm
Operating panel	Touchscreen 8" color display
Memory	Programmable
Power supply input	230V, 50Hz, 4A, PE
Dimensions	Width: 220mm, Depth: 220mm, Height: 180mm

# ML 030

## DC excited CO<sub>2</sub> laser

ENT (Ear Nose Throat)  
Dermatology  
Plastic surgery  
Gynecology  
Oral surgery  
Ophthalmology  
General surgery

Laser source	Sealed-off CO <sub>2</sub> laser tube
Wavelength	10600nm
Power on tissue	0.5-30W
Power on tissue (superpulse)	0.4-12W/0.6-18W
Operating modes	Continuous (CW), Single pulse, repeat pulse
Aiming beam	650nm diode laser max. 2mW
Beam delivery arm	7 joint articulated arm
Cooling	Closed loop liquid
Operating panel	LCD display
Memory	Programmable
Power supply input	110/220V 50/60Hz
Dimensions	Width: 400mm, Depth: 320mm, Height: 1180mm



## Why laser?

- ✔ sterile and precise cuts
- ✔ less bleeding, well observable operating field
- ✔ narrow necrotic zone
- ✔ minimal oedema
- ✔ quick wound healing
- ✔ less post-operative pain
- ✔ short hospitalization



## Application chart

	VELAS Diode laser	Dental Diode laser	ML030 CO <sub>2</sub> laser	OPAL 10/25 CO <sub>2</sub> laser	OPAL L30/L50 CO <sub>2</sub> laser
ENT (Ear-Nose-Throat)	•	•	•	•	•
Dermatology	•		•	•	•
Plastic surgery	•	•	•	•	•
Gynecology			•	•	•
Oral surgery	•	•	•	•	•
Ophthalmology	•	•	•	•	•
Laparoscopic surgery				•	•
General surgery	•	•	•	•	•

Accessories are available for all of our models. See specific product brochures at [www.lasram.hu](http://www.lasram.hu).

## About Lasram

Lasram is a European medical and industrial laser system developer and manufacturer company, based in Hungary and Germany. Lasram products are developed, tested and manufactured according to the international standards. The company is EN ISO 9001:2015 and EN ISO 13485:2016 certified and has EN ISO 14001:2015 environmental management certificate.



Lasram also designs, tests and provides guarantee to the products that are not built by Lasram. These products labeled as Lasram DTG, which differentiate them from Lasram. Lasram DTG products has the same support as products built by Lasram. For further information visit us at [www.lasram.hu](http://www.lasram.hu)

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