

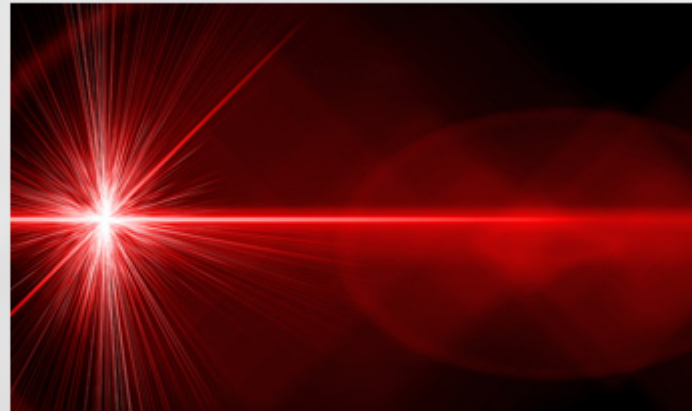
EPIC Online Technology Meeting on Photonics for Dermatology and Aesthetic Applications



Company Profile



engineering



laser



technology

- LASRAM Ltd. was founded by renowned Hungarian laser engineers in 1991. The company's main activities include manufacturing and development of medical and industrial laser systems and providing laser technology services. Since 2009 the LASRAM LASER GmbH takes care of sales & marketing of LASRAM Ltd. worldwide.
- The founders of LASRAM started R&D of laser systems at TUNGSRAM, the world-famous lightbulb maker (now part of GE Lighting) in 1976.
- LASRAM is marketing its products under its own label as well as through certain selected OEM co-operations with other, highly renowned companies.
- LASRAM has sold more than 750 laser units worldwide in the past 25 years.
- LASRAM has been operating according to the EN ISO 9001, EN ISO 13485 and AS 9100 quality insurance systems

LASRAM OPAL medical lasers

- Countless advantages in clinical and ambulatory practice:
 - ✓ sterile and precise cuts, narrow necrotic zone
 - ✓ minimal oedema, fast wound healing
 - ✓ less bleeding, well observable operating field
 - ✓ less post-operative pain
 - ✓ shorter recovery time
- Optimized features for *all* medical disciplines, especially dermatology, gynecology, ENT & plastic surgery



OPAL 10 / 25 Technical Specifications

| | |
|-----------------|--|
| Laser source | 10W / 25W, long life "sealed off" tube, RF excited |
| Power on tissue | 0.5 - 10W / 25W, continuously adjustable in 0.2W steps |
| Operating modes | Continuous (CW) |
| | Single pulse |
| | Repeated pulse |
| Beam delivery | 7-joint, spring balanced arm, 1300mm work radius |
| Cooling | Air |
| Operating panel | Touch screen display, sound signal when READY |
| Memory | 5 freely programmable + scanner parameters |
| Power supply | 230V, 50Hz, 4A, PE |
| Dimensions (mm) | 375(W) x 475(D) x 1150(H) / (1970 with arm) |
| CE Certificate | CE 2409 |



OPAL L30 / L50 Technical Specifications



| | |
|-----------------|---|
| Laser source | 30W / 50W, DC excited |
| Power on tissue | 0.1 - 30W / 50W, Superpulse.: 0.4 - 12W / 0.6 - 18W |
| Operating modes | Continuous (CW) |
| | Superpulse mode |
| | Pulse mode |
| Beam delivery | 7-joint, spring balanced arm, 1300 mm work radius |
| Cooling | Water |
| Operating panel | LCD display |
| Memory | 5 freely programmable + scanner parameters |
| Power supply | 230V, 4A / 6A, 50Hz / 60Hz, PE |
| Dimensions (mm) | 290(W) x 450(D) x 1240(H) / (1540 with arm) |
| CE Certificate | CE 2409 |

New Laser Design



- New look of the OPAL series with larger touch screen & improved interface.
- Available from 01/2021

Dermatology & Plastic Surgery

Laser units recommended for Plastic Surgery and Dermatology use: OPAL 25, OPAL L30, OPAL L50

- Surgical interventions
- Skin rejuvenation & peeling
- Eyelid surgery
- Face skin resurfacing
- Treatment of scars, keloids and acnes
- Rhinophyma treatment
- Condyloma
- Granuloma
- Verruca
- Fibroma
- Telangiectasia, etc.



Long lasting results, painless solution

Accessories – TrueScan scanner

As a usual scanning method, the laser beam is being moved over a given path, which gives shape to the different forms.

Number of forms: 11
Figure size: 2-8 mm
Energy density: 5-12 J/cm²



Fractional Therapy

The larger spot size (**DOT**) fractional therapy is for treatment of larger areas, while the depth treatment (**DEEP**) is for smaller and deeper surfaces.

DOT 0.8 Fractional Handpiece

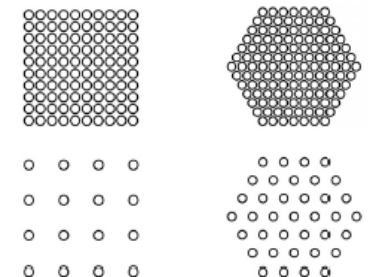
Tissue penetration depth: 0.1 mm
Figure size: 2-10 mm

DEEP 0.15 Fractional Handpiece

Tissue penetration depth: 1 mm
Figure size: 2-5 mm



Application of fractional therapy results in shorter recovery time compared to continuous scanning.



Coverage can be adjusted between 20-80%

Thank you for your attention.



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