LumIR Lasers

Presentation for EPIC

LP Pleau & Rene Dionne

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Company

Established in 2019 in Quebec City, Canada

20+ years leading MIR Fiber Laser research

Lead provider of MIR Fibers and components since 1977

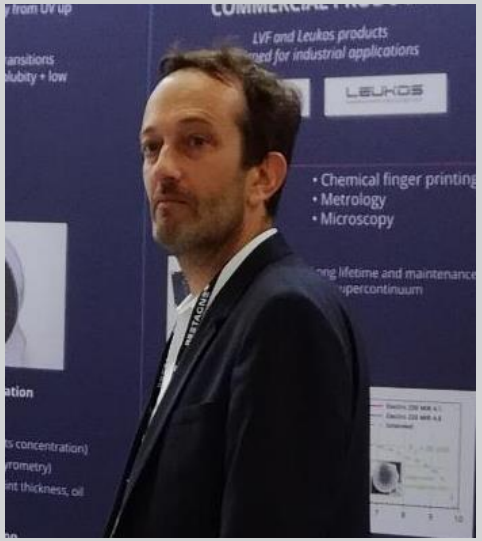
Founders

Louis-Philippe Pleau, B. Eng
CEO

Vincent Fortin, PhD
CTO

Pr. Martin Bernier
Tech Advisor

Pr. Réal Vallée
Tech Advisor



Samuel Poulain, B. Eng
CEO of Le Verre Fluoré Inc.

Unique expertise in soft glass fiber lasers and fiber Bragg gratings

Our Products & Markets – OEM Lasers

Over 100 delivered!

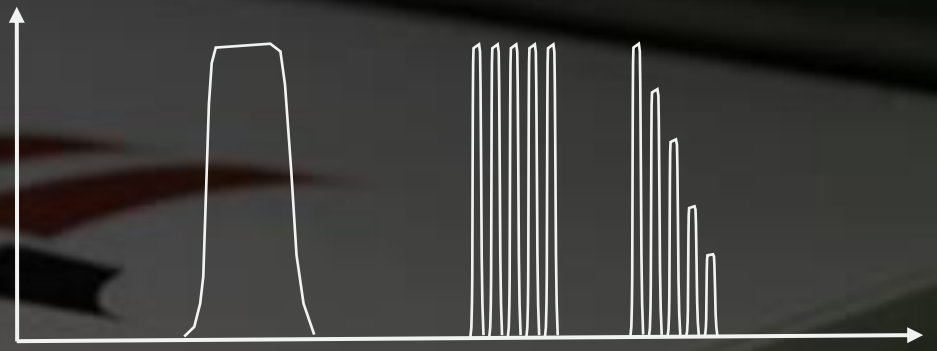
Our Products & Markets

LumIR 2800 Series

- Wavelength range 2.79-2.94um
- Power: 10W
- Operation: CW-QCW
- Beam quality: M^2 1.3 typ.
- Singlemode fiber delivery

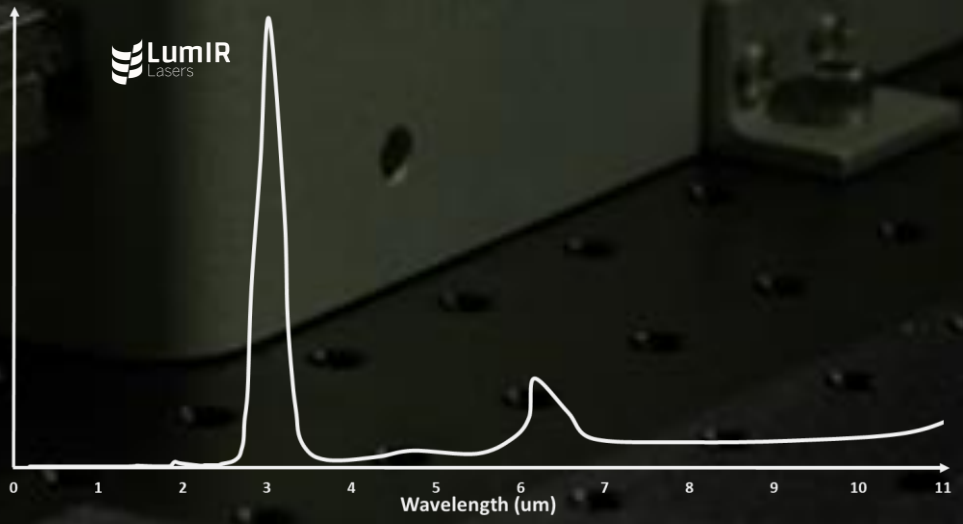
Main features & benefits

- Pulse width & amplitude freedom



- Single mode fiber delivery

- Highest absorption in water

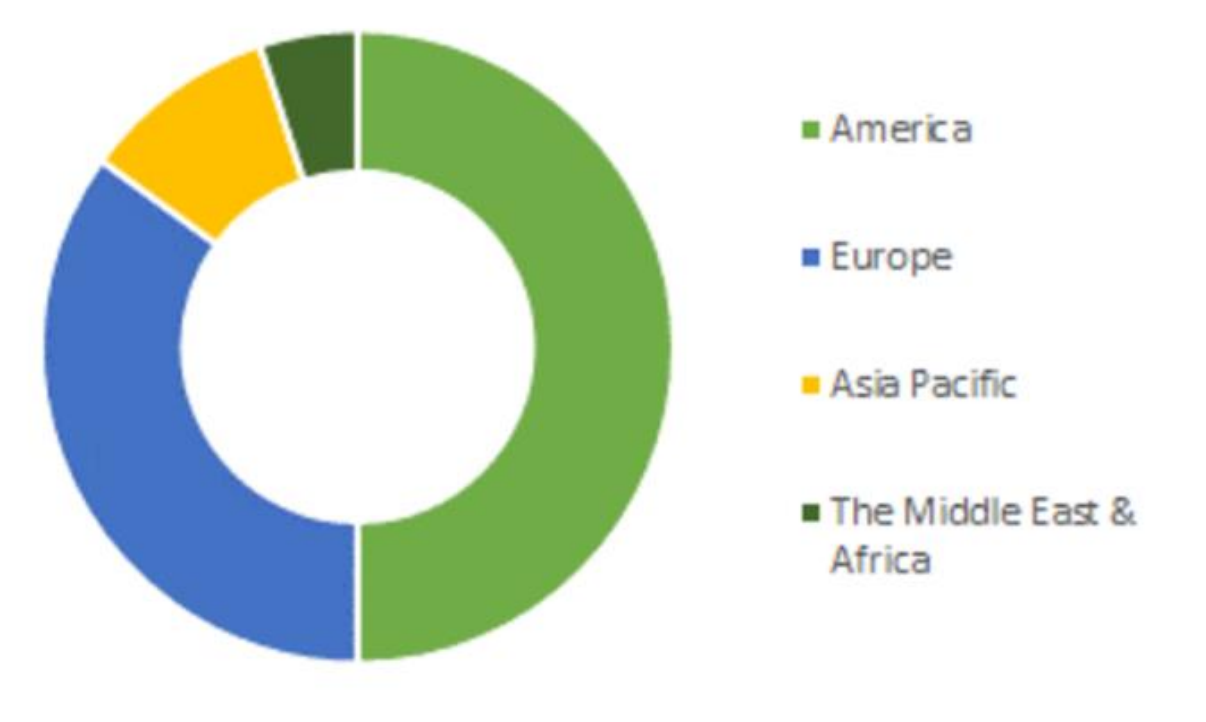


Example Use Case: Skin Resurfacing

- Using fractional and ablative laser treatments to remove portwine stains, wrinkles, sun damage spots, etc.
- Fastest growing medical laser market (400M$ in adressable OEM laser sales alone, 14%CAGR)

Source for picture: ultraclearlaser.com

A core market issue



Laser skin resurfacing market
(World Health Organization, 2016)

Post-inflammatory hyperpigmentation
Frequent side effects on pigmented skin
(types III and up)

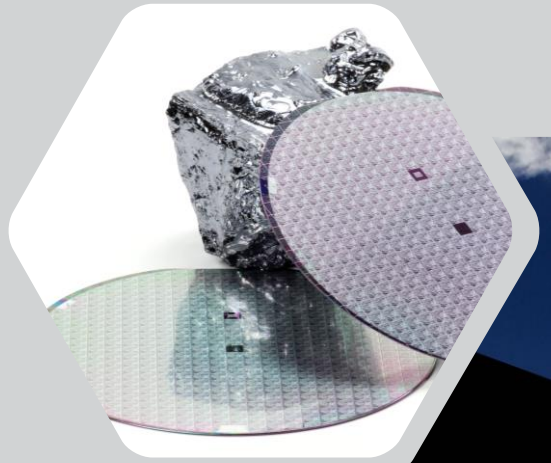
PIH issue solved using LumIR Lasers technology

- Medical device manufacturers use the wavelength (high absorption), high beam quality and flexible pulse control of the fiber laser to treat darker skin with no side effects

Our Products & Markets

LumIR 3200 Series

- Specifications
- Wavelength range 3.1-3.3um
- Power: 5W
- Operation: CW-QCW
- Beam quality: M^2 1.3 typ.



Closing remarks

- Future products to include pulsed lasers (100 ns and under) and longer wavelengths (target up to 4 microns)
- Company is growing and moving into a new facility early 2024, manufacturing capabilities expected to exceed 200 units next year
- We are always interested in suppliers for ZnSe lens AR coatings, laser diodes at 976 nm, laser diode drivers