

LDX Optronics Inc.

Who is LDX Optronics?

- Manufacturer of multimode laser diodes
 - High quality and reliability
 - Superior standard & custom packaging
 - Custom wavelengths, epi, or chip designs
 - Outstanding customer service & satisfaction
- Founded in 1990 by Dr. Jeffrey Morris
- Located in Maryville, Tennessee USA

“Without great quality, it does not matter what something costs...”

Your product is only as good as its key components.
Are you sacrificing your reputation using poor quality components?

#laserfocused

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Questions to ask when sourcing a laser diode:



Capabilities:

- Do they offer all the wavelengths you need?
- Are they willing to customize if needed?
- Do they have the experience and know-how?



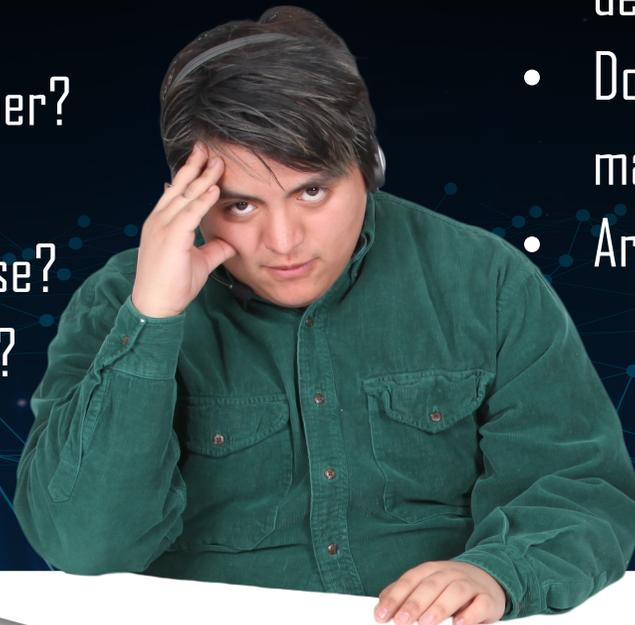
Relationship:

- Do you need a supplier or a partner?
- Do they support you with timely responses and technical expertise?
- Do they care about your success?



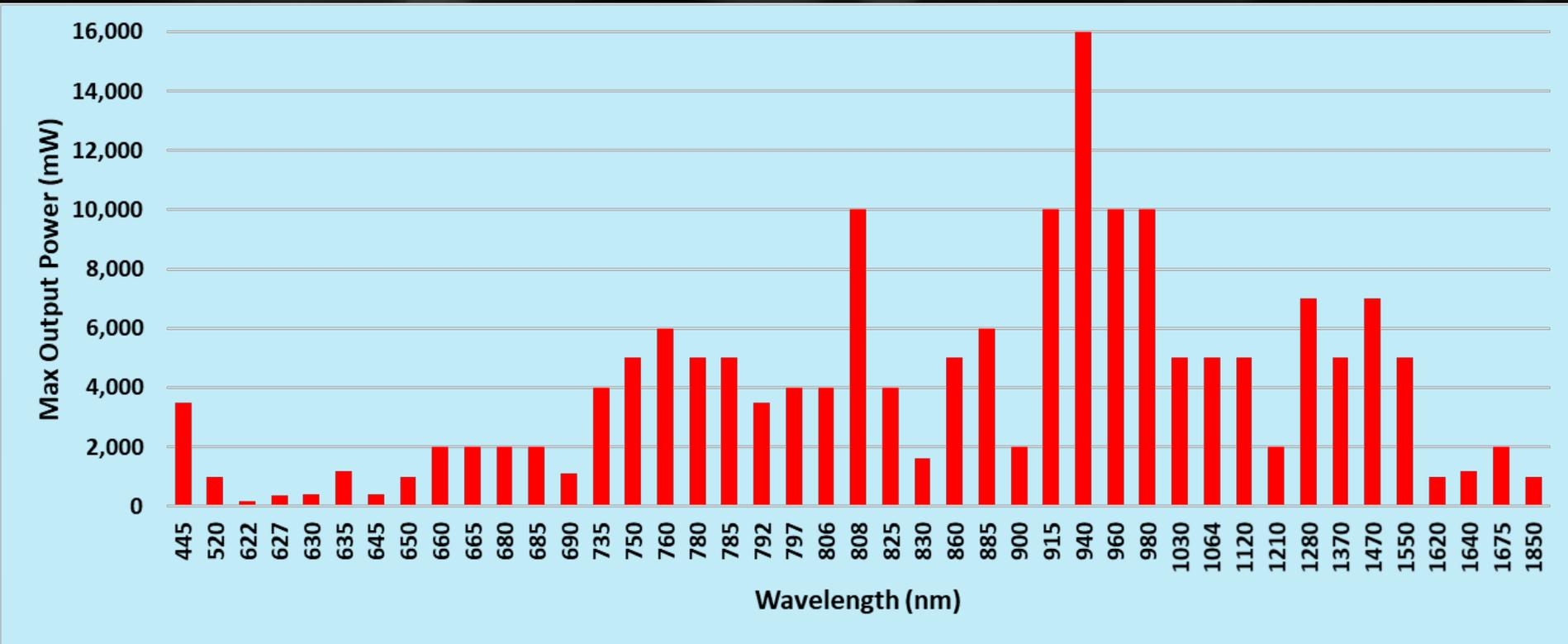
Logistics:

- Having issues with your supplier changing or obsoleting products?
- Are they delivering on-time?
- Willing to stock products? Offer Just in time deliveries?
- Do you know where your laser diodes are made? Who is making them?
- Are there Tariffs? International issues?



CAPABILITIES: Wavelengths

Widest wavelength selection in the industry



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CAPABILITIES:

Experience &
Know-How

30+ Year Proven Track Record

Advanced Laser Soldering Processes

- Hard Solder (AuSn) or Soft Solder (In)
- Flux-free soldering
- Uniform bond line thickness
- Void-free solder bond
- High precision placement

Superior Packaging

- Low thermal resistance
- Electrically Isolated options
- Ruggedized, low SWaP options
- Hermetically sealed options
- Advanced thermal management solutions

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CAPABILITIES: **Customizations**

Don't limit your design to off-the-shelf components:

Customized laser diodes result in better products.

Wafer Level:

- Wavelength
- EPI Design
- Chips / bars
- Emitter design

Packaging:

- Submount design
- Package Design
- Micro lensing
- Fiber coupling

Options:

- TEC cooler
- Aiming Beam
- Photodiode

Qualification:

- Higher Temperatures
- Shock / Vibe
- Extended Burn-in
- Ruggedization

LOGISTICS:

Where your parts come from matters

All products proudly built in the US

- Shipped from Tennessee – minimize shipping costs

Guarantee supply for the life of your program

- No changing products or obsoleting products

Dependable delivery options

- Just-in-time deliveries
- Buffer stock

No tariffs or international issues

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RELATIONSHIPS:

You deserve a partner!

Our philosophy is one of partnership. We will be your partner in every sense of the term. Our team will take every effort in providing the technical expertise necessary for your success.

We want you to succeed and be successful.

Your win is our win.

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COOL APPLICATIONS

Industrial Applications:

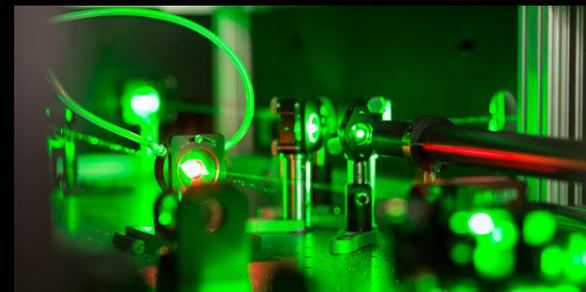
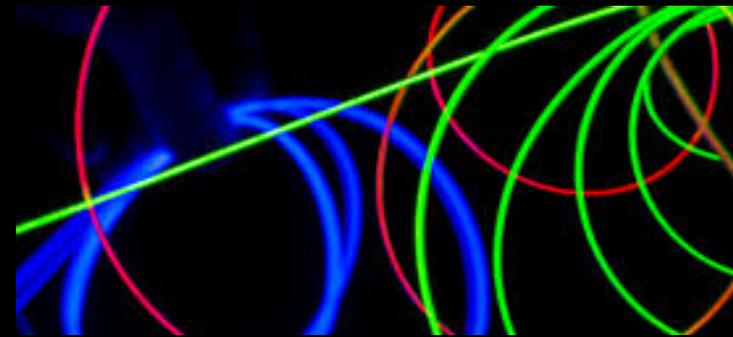
- DPSS Laser Pumping
- Material Processing
- Machine Vision

Medical Applications:

- Aesthetics
- Photodynamic Therapy
- Light Therapy
- Soft Tissue - Dental

Military & Space Applications:

- Illumination
- Night Vision
- Detection
- Calibration



**INTERESTED IN
LEARNING MORE?**

HOW CAN RPMC PROVIDE THE RIGHT CUSTOM LASER SOLUTION?

<https://blog.rpmclasers.com/how-can-rpmc-provide-the-right-custom-laser-solution>

CHOOSING THE RIGHT CONNECTOR FOR YOUR FIBER-COUPLED LASER DIODE

<https://blog.rpmclasers.com/choosing-the-right-connector-for-your-fiber-coupled-laser-diode>

LASER DIODE FUNDAMENTALS: DIODE GAIN THRESHOLD

<https://blog.rpmclasers.com/laser-diode-fundamentals-diode-gain-threshold>



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LDX Optronics Inc.

RPMC Lasers Inc. is proud to be the exclusive worldwide source for LDX Optronics products for over 25 years.

- Higher quality and reliability
- Superior soldering and packaging
- Large wavelength selection
- 30+ year proven track record
- Small firm – Attention to detail and low overhead
- Made-in-USA
- Better products at competitive prices

lensing solutions burn-in company track satisfaction
small ruggedized superior attention
trust hermetically isolated precision
reliability Laser Diode epi
fiber LDX integrity
lifetime wavelenghts competitive quality
experience Multimode excellence
packaging heatsinks innovation processes
customer record Optronics honesty sealed
uniform characterization testing
soldering electrically coupling custom

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LDX Optronics Inc.



The Lasers You Need From The People You Trust

Our Experience, Your Advantage

HOW CAN WE HELP YOU?



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New Business Development
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