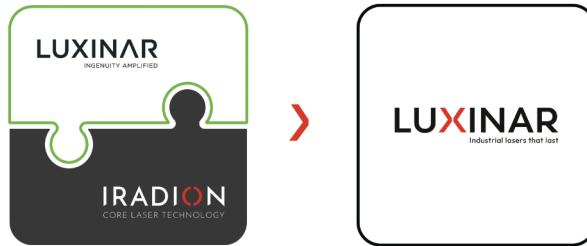




> Industrial lasers
that last

luxinar.com

› One brand. Stronger service. Same commitment.



Luxinar brings together the strengths of Iradion and Luxinar to form a single, unified industrial laser brand, stronger than ever and closer to customers worldwide.

By combining deep application knowledge with a full spectrum of laser technologies – from continuous-wave and pulsed CO₂ to short and ultrashort pulse – Luxinar delivers stable performance and predictable yield. Backed by an expanded global network, Luxinar ensures long-term reliability and hands-on support for production-critical

environments worldwide. Customers benefit from the same unwavering commitment as before, now strengthened by expanded resources and a comprehensive portfolio covering CO₂ laser sources from basic requirements to highly industrial solutions for 24/7 automotive production, as well as short- and ultrashort-pulse laser technologies.

All of this is delivered by a single global partner providing strong hands-on support worldwide. Luxinar enables OEMs, integrators, and manufacturers to maximize uptime, optimize total cost of ownership, and confidently scale production.

› With Luxinar, you get industrial lasers that last, performance you can rely on – and a partner who stays with you.

Our laser sources

Ceramicore® – Sealed in purity. Designed for life.

Ceramicore® is the breakthrough CO₂ laser technology with a pure ceramic tube, engineered for customers who need performance that stays stable for life.

By using a hermetically sealed resonator made of pure ceramic and no aluminum parts inside, we eliminate the causes of contamination, gas degradation, and thermal drift. This results in a

laser that holds alignment longer and maintains gas performance from the first day of operation through its entire service life. Ceramicore® lasers run with no refills or service required, well beyond our 7-year gas refill guarantee, delivering unmatched reliability and predictable operating costs. A lean single-chip RF electronics architecture allows modulated and continuous-wave operation with highest reliability. Because a circular beam is

delivered straight out of the resonator, integrators gain full flexibility to tailor beam expansion and conditioning to their application — reducing cost while maximizing uptime.

Marking, engraving and cutting, Ceramicore® delivers clean results that last.



With our patented Ceramicore® technology, you get pure ceramic CO₂ lasers engineered for unmatched stability, long life, and continuous-wave productivity.

Duralife® – Integration-ready power for life.

Duralife® is Luxinar's industrial-strength series of pulsed, metal-sealed CO₂ laser sources, designed for high-power, production-critical applications with high throughput.

Its diffusion-cooled metal slab design delivers outstanding beam quality with exceptional stability, and long lifetime — even in harsh environments and 24/7

operation. Each Duralife® laser is an integration-ready CO₂ source, complete with built-in beam expansion and conditioning for a perfectly clean, stable beam without extra optical complexity or hidden costs.

Duralife® is built to withstand the toughest conditions, ensuring safe and reliable operation. These industrially proven sealed lasers operate without the need for gas recirculation equipment or refills

for their entire lifetime – far exceeding our 7-year gas refill guarantee. Due to their powerful, state-of-the-art RF electronics, Luxinar's lasers deliver highest peak power and fast rise and fall times. Field-serviceable modules and rugged construction maximize uptime, safety, and serviceability.

Duralife® is a true industrial muscle: powerful, durable, and dependable — sealed for life, engineered for reliable production.



With Duralife®, you get the ready-to-integrate pulsed CO₂ laser source delivering high industrial-grade power, stability, and uptime.

Pulsecore® – Every pulse predictable.

Pulsecore® is Luxinar's production-grade short- and ultrashort-pulse laser, engineered for applications where yield, repeatability, and long-term process stability are critical.

For over two decades, we have been the benchmark for laser precision and process

reliability in semiconductor and microelectronics manufacturing. From lasers for wafer marking to ultrastable nanosecond and femtosecond lasers, Pulsecore® is built on one principle: absolute process stability. Powered by Pulsecore® technology, each system delivers precise pulse energy, flexible pulse control, and consistent performance over billions of cycles. The result is

predictable processing for zero-defect manufacturing – even in demanding 24/7 production environments.

Pulsecore® is more than a laser. It is engineered for yield confidence, reliability at scale and optimized total cost of ownership.



With Pulsecore®, you get absolute process stability for short- and ultrashort-pulse laser manufacturing.

An expanded global network



LUXINAR
Industrial lasers that last



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