

## Photonics Industries International Inc. (PI)

### First Time Exhibiting at LWOP Munich!

2025 marks the first year that PI will present as a primary exhibitor at Laser World of Photonics. We will be showing lasers from all **6 of our key product ranges** at this exhibition.

Our **ALL-IN-ONE, FACTORY SEALED, ZERO MAINTENANCE & AUTO CALIBRATING** laser heads are ~ **30%** the volume of nearly all competing lasers of the same power.

### Photonics Industries EUROPE, BV

We are proud to have opened our European subsidiary office in April 2025. Based in Zevenaar, The Netherlands, this new hub will support **Laser Engineers and Customer Support Staff** dedicated to our expanding EMEA OEM customer base.

### NEW PRODUCT

#### FS-1030-200 200W Femtosecond Laser

**With 100kHz high pulse energy capability and MEGAHz programmable burst mode.**

Building on our initial offering at 50W & 100W, the new expansion of the FS Series lasers to 200W marks a step change in capability for industrial applications where a single laser head driving multiple process heads is a more economical and easy to implement option to scale maturing production processes.

- 200 W @ 1030nm | 100W @ 515nm
- 500fs to 5ps Continuously Tuneable
- Hybrid MOPA Technology
- Robust and highly proven amplification technology
- Exceptionally reliable harmonics and system monitoring from the RX and DX Series.

### NEW PRODUCT

#### FS0-1030-8 | FS-515-4 | FS-343-2 Air Cooled Femtosecond Laser

**With 100kHz high pulse energy capability and MEGAHz programmable burst mode.**

Our existing customer base for the RX picosecond air-cooled lasers with **>400 installed units** asked for a Femtosecond equivalent for processing brittle or heat-sensitive materials. We are delivering an air-cooled solution that is one of the smallest on the market and is **100% air-cooled** or **radiator water-cooled** using only ambient air.

- 8W @ 1030nm | 4W @ 515nm | 2W @ 343nm TEM<sub>00</sub>
- 500fs to 5ps Continuously Tuneable
- 100% Solid State
- Exceptionally reliable harmonics and system monitoring from the RX and DX Series.

## NEW PRODUCT

### RX4-1064-300 300W - 10 Picosecond Laser

**With 100kHz high pulse energy capability and MEGAHz programmable burst mode.**

Building on our initial offering at 150W, the new expansion of the RX Series lasers to 200W and 300W from a single cavity source marks a step change in capability for processing ultrahard materials and ceramics. With ~1mJ per pulse and 3mJ in MEGAHz Burst mode, the RX4 series of high-power IR and Green lasers is also enabling already mature picosecond processes to cut or drill deeper or faster using essentially the same base machine.

- 300 W @ 1064nm | 200W @ 532nm
- 10ps and 7ps Ultrashort Pulse
- Hybrid MOPA Technology
- Robust and highly proven amplification technology
- Exceptionally reliable harmonics and system monitoring from the RX and DX Series.

## NEW PRODUCT

### RX-355-70 New 50W & 70W 355nm UV Picosecond Laser

**Fully programmable MEGAHz BURST more with up to 80μJ sub pulse energy!**

The RX Series 30W UV Laser system is now a proven workhorse laser in PCB and Electronics manufacturing technologies. The latest 50W and 70W versions provide customers with the ability to increase cutting and drilling speed, maintaining the same class-leading pulse energy at high pulse frequencies.

- 50W and 70 W @ 355nm – 7 ps lasers with 400kHz to 8Mhz Capability.
- 10ps and 7ps Ultrashort Pulse
- Hybrid MOPA Technology
- Robust and highly proven amplification technology
- Exceptionally reliable harmonics and system monitoring from the RX and DX Series.

## Other Products on Display

**DP SERIES** World's first **1000Hz 20mJ 8ns** True TEM<sub>00</sub> Laser with unique dynamic pulse energy control.

**DM SERIES** World's first **100W - 351nm UV Intra-cavity Laser**. With a 50 ns pulse duration for Excimer replacement in LLO and Annealing.

**SN SERIES** Tuneable **Sub-nanosecond** laser platform. **100ps to 100ns** Capability from **10W to 300W at 1064nm** and **5W to 200W at 532nm**.

**DX** **70W Nanosecond 355nm**- Intracavity laser system for plastics cutting.

**DX-HLP** **40W Nanosecond 355nm**- Intracavity laser system for Silicon Wafer Dicing @ 40n to 200ns. Unique 230kHz LOW K - wafer grooving capability.