

DirectPhotonics Receives Order for 2kW Ultra-High Brightness Direct Diode Laser System

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Berlin (Business Wire) -- DirectPhotonics Industries GmbH, a cutting edge provider of ultra-high brightness direct-diode laser solutions for material processing, announced today that it has received an order for its 2 kW DirectProcess laser engineered for industrial metal cutting and welding of steel and non-ferrous alloys, from a leading German research firm.

The [DirectProcess](#) fiber-coupled laser system generates an optical power of 2 kW ex fiber in the 930 nm region with a beam parameter product of only 7.5 mm-mrad, well suited for industrial metal cutting. The optical output power can be modulated up to 50 kHz with a rise and fall time of less than 10 μ s. The DirectProcess laser comes in a convenient 19-inch rack mount and is cooled with standard industrial water.

Prior to the first 2 kW order, DirectPhotonics has already received several orders from key customers in Europe and North America to supply them the 500W and 1 kW versions of the DirectProcess product line. DirectPhotonics is going to ship the ordered lasers starting in the second quarter of this year.

The DirectProcess product series is based on several patents on power scaling of single-emitter laser diode systems with ultra-high brightness as needed in macro material processing.

“The unique combination of excellent brightness, superior efficiency and compact size of the DirectProcess laser enables our customers to run innovative material processing solutions which reduce space, cost and service requirements of industrial laser processing” said Stefan Heinemann, CTO of DirectPhotonics. And he adds: “We are proud to ship our first kW lasers only 20 months after the start of our company.”

About DirectPhotonics Industries

DirectPhotonics is focused on the development and production of ultra-high brightness direct diode laser solutions for use in micro and macro-material processing applications/markets. Founded in 2011, the company has its headquarters in Berlin, Germany. For more information about Direct Photonics, including product updates, visit the company's website at www.directphotonics.com.

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