



PulseForge[®] 1300

UPGRADED

predict | test | monitor | measure | modify

NovaCentrix is pleased to announce the state-of-the-art PulseForge[®] 1300 photonic curing tool has been upgraded to deliver 40% more peak power. The PulseForge 1300 now features up to 35 kW/cm² of user-selectable delivered peak radiant power- the highest delivered peak power available in any photonic curing tool currently in production anywhere in the world. In addition, the average power delivery and the total energy delivery have been substantially increased.

When combined with NovaCentrix's digital pulse-shaping technology, the more powerful PulseForge 1300 platform improves processing of ceramics, semiconductors, and other high temperature metals on glass or other high temperature substrates, at industrial rates. This same ultra-high power technology is also now available in the PulseForge 3300, the industrial version of the PulseForge 1300, so that process conditions developed in R&D can be immediately applied to production.



System Features

- Per-pulse exposure area: 75 mm x 150 mm
- Maximum processing area: 300 mm x 150 mm
- Peak process speed: 100 feet per minute
- SimPulse[®] integrated advanced thermal simulation
- Digital pulse shaping technology
- Integrated NIST-traceable bolometer for quantitative radiant exposure measurement
- Process conditions immediately transferable to production level tools
- Automated process condition logging

Available Accessories

- Controlled environmental chuck
- Inert processing chamber
- Spectrum filtering
- Available in stand-alone, roll-to-roll, and built-to-integrate configuration options

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	PulseForge 1200	PulseForge 1300 (Previous)	PulseForge 1300 (Upgraded)
Maximum radiant exposure	22 J/cm ²	26 J/cm ²	45 J/cm ²
Peak instantaneous power output	4.3 kW/cm ²	24 kW/cm ²	35 kW/cm ²
Maximum average power for a 200 μs pulse	3.5 kW/cm ²	21 kW/cm ²	32 kW/cm ²