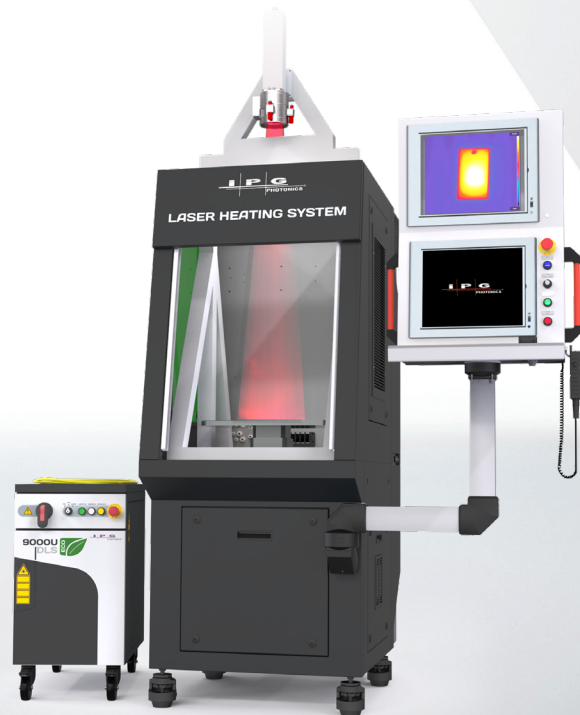


HIGH-EFFICIENCY R&D LASER HEATING SYSTEM

Turnkey Heating & Drying Application Development



NEW

FEATURES

- ▶ 55% Energy Efficiency
- ▶ Sustainable, All Electric Operation
- ▶ Fast Processing Speed

BENEFITS

- ▶ Rapid development of process recipes
- ▶ Dramatically Reduced Operating Costs
- ▶ Fast and Easy Deployment

The **R&D Laser Heating System** is a turnkey workstation instead for in-house application development of laser heating and drying processes. These systems integrate the most energy efficient lasers in the world with projection optics to direct laser energy within a Class 1 laser safe enclosure. The workstation enables laser heating, curing, and drying processes to be safely brought in-house for intensive development of new and sustainable thermal applications.

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Optical Characteristics	
DLS-Eco Laser Efficiency	55%
Z=Lift Stage Travel, m	> 0.5
XYZ Work Area, cm	Standard: 20 x 20 Maximum (Z-Stage at Lowest Point): 25 x 25
Part Loading	Manual
Display & Operation	Dual Monitors with Keyboard & Mouse
Controller Software	IPG DLS/HMI
Vision	Visible & Infrared
Thermal Metrology	Pyrometer Control Loop
Fume Extraction	Adjustable Ducting, Standalone Fume Extractor
Dimensions, (W x L x H), mm	840 x 1240 x 2240
Laser & Beam Delivery	
IPG Laser Source	DLS High-Efficiency Diode Laser (4.5kW to 20kW)
Laser Integration	External
Beam Delivery Head	IPG Projection Head

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