

DUAL BEAM SERIES » MULTIPLE BEAM OUTPUTS

RELIABILITY » PERFORMANCE » FLEXIBILITY

STS 1500/2 (750W PER BEAM)



The Dual Beam Laser series is a specialty niche product line offered by PRC, as a solution for those customers focused on finding the most economical method to implement laser processing in their new and existing manufacturing processes. Its unique design allows multiple beam outputs to be generated from a single laser source. These individual beam outputs, fully and functionally independent of each other, provide the users an incredible amount of design and processing flexibility. The Dual Beam product line is ideally suited for cutting, welding, perforating, slitting micro machining and web based laser processing of materials where multiple beams are required. As a result, end users and integrators worldwide recognize the PRC Dual Beam series as a much more economical solution when compared to buying multiple low power individual sources to accomplish the same results.

STS 3000/2 (1500W PER BEAM)



All Dual Beam laser features:

- Single enclosure design allowing for ease of integration
- Independent power control of individual beam outputs
- PRC's patented Turboflow® compressor and lifelong electrodes give PRC lasers unprecedented internal optic life and provided virtually maintenance free operation
- Superior pulsing characteristics with 4 distinct pulse modes. Pulsing capabilities allow for fast rise time and up to 2.5x peak power enhancement for quicker, more consistent pierce times when cutting and deeper penetration when welding.
- Industries lowest operating costs are achieved by PRC's use of a high efficiency DC power supply and the ability to run on inexpensive welding grade gas
- An industry leading 2 year unlimited hour warranty backed up by PRC's 24/7 service support.

STS 4000/2 (2000W PER BEAM)



For more information and specifications about PRC Laser's full line of laser products, please visit us online at www.prclaser.com

PRC
LASER
INNOVATIVE LASER SOLUTIONS

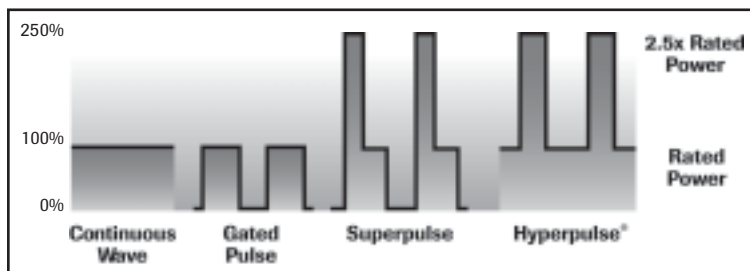
STS SERIES

PRC Offers Unique Dual Beam Solutions

- Provides individually controlled multiple beam outputs with up to four distinct pulse modes, including PRC's patented Hyperpulse® for maximum flexibility in material processing
- A cornerstone laser of worldwide recognition that built PRC's reputation for performance and reliability
- All PRC Lasers use PRC's patented TURBO FLOW® compressor and carry a standard two-year unlimited-hour warranty.
- Power Stability $\pm 0.5\%$ leads the industry

STS 1500/2	STS 3000/2	STS 4000/2
CW Power Rated Power 750w Per/Beam Dynamic Power Range 0-750 Watts/Beam Power Stability $\pm 0.5\%$ Dual Independent Power Control	CW Power Rated Power 1500w Per/Beam Dynamic Power Range 0-1500 Watts Power Stability $\pm 0.5\%$ Dual Independent Power Control	CW Power Rated Power 2000w Per/Beam Dynamic Power Range 0-2000 Watts/Beam Power Stability $\pm 0.5\%$ Dual Independent Power Control
Pulsing Hyperpulse® CW to 1kHz Superpulse CW to 1kHz Gated Pulse CW to 5kHz	Pulsing Hyperpulse® CW to 1kHz Superpulse CW to 1kHz Gated Pulse CW to 5kHz	Pulsing Hyperpulse® CW to 1kHz Superpulse CW to 1kHz Gated Pulse CW to 5kHz
Electrical Maximum Power Consumption at Maximum Power 25.5 kVa (at 460 V, 60 Hz; 420 V,	Electrical Maximum Power Consumption at Maximum Power 46 kVa (at 460 V, 60 Hz; 420 V, 50/60 Hz; and 380 V, 50/60 Hz)	Electrical Maximum Power Consumption at Maximum Power 54 kVa (at 460 V, 60 Hz; 420 V, 50/60 Hz; and 380 V, 50/60 Hz)
Heat Load 16.1 kW (76,800 BTU/hr.) at 40°C (104°F) ambient temperature	Heat Load 35 kW (119,455 BTU/hr.) at 40°C (104°F) ambient temperature	Heat Load 40 kW (136,900 BTU/hr.) at 40°C (104°F) ambient temperature
Laser Gases Welding Grade Helium, Nitrogen, Carbon Dioxide regulated to 4 bar (60 psi) each gas	Laser Gases Welding Grade Helium, Nitrogen, Carbon Dioxide regulated to 4 bar (60 psi) each gas	Laser Gases Welding Grade Helium, Nitrogen, Carbon Dioxide regulated to 4 bar (60 psi) each gas
Laser Gas Consumption 25 liters per hour total (1.88 cubic ft./hr.)	Laser Gas Consumption 50 liters per hour total (1.76 cubic ft./hr.)	Laser Gas Consumption 50 liters per hour total (1.76 cubic ft./hr.)

4 Distinct Operational Enhanced Pulse Modes



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WORLDWIDE SUPPORT:

All of PRC lasers include the standard PRC two-year unlimited-hour warranty and worldwide 24-hour technical support.

Call PRC Laser or visit us online at www.prcclaser.com to view our extensive worldwide support locations or to obtain in-depth information on our industry leading laser products.

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