

PulsePoint™ laser welders from NEUTECH USA®



PulsePoint™ Studio 30

Laser crystal:	Nd:YAG	Spot size:	0.3–1.5mm
Wavelength:	1064nm	Maximum power:	4.0kW
Input power:	110V/15A–230V/10A, (±10%), 50/60Hz, single-phase	Pulse frequency:	0.5–3Hz
		Pulse duration:	0.5–8.0mS
Output pulse energy:	0.25–32 joules	Dimensions:	16 ¹ / ₈ "W x 15 ¹ / ₂ "D x 20"H
Avg. output power:	30W	Machine weight:	55 lbs. (25kg)
		Shipping weight:	78 lbs. (35kg)

PulsePoint™ Studio 60

Laser crystal:	Nd:YAG	Spot size:	0.3–1.5mm
Wavelength:	1064nm	Maximum power:	4.0kW
Input power:	230V/10A, (±10%), 50/60Hz, single-phase	Pulse frequency:	0.5–10Hz
		Pulse duration:	0.5–15.0mS
Output pulse energy:	0.25–60 joules	Dimensions:	16 ¹ / ₈ "W x 18 ¹ / ₂ "D x 20"H
Avg. output power:	40W	Machine weight:	62 lbs. (28kg)
		Shipping weight:	84 lbs. (38kg)



PulsePoint™ 200

Laser crystal:	Nd:YAG	Maximum power:	5.0kW
Wavelength:	1064nm	Pulse frequency:	0.5–20Hz
Input power:	230V/10A, (±10%), 50/60Hz, single-phase	Pulse duration:	0.5–20.0mS
		Memory parameter:	1–99
Output pulse energy:	0.25–100 joules	Dimensions:	20"W x 36 ¹ / ₂ "D x 47"H
Avg. output power:	75W	Machine weight:	223 lbs. (101kg)
Spot size:	0.2–1.4mm	Shipping weight:	335 lbs. (152kg)



The Neutec Advantage

Unparalleled Functionality

Almost every application can be done faster, cleaner and easier using laser power. If your shop is still using heat and hand tools for metal-forming and fabrication needs, and the idea of laser welding has been on your mind lately, Neutec/USA® should be your first stop.

Neutec/USA announces a new generation of laser welding machines. Specially engineered to make every joule work harder, Neutec/USA PulsePoint™ laser welders make laser technology available to every business—no matter what jewelry production or fabrication tasks you perform.

- High-efficiency optics are enhanced to enable a higher-duty cycle output (average power) with fewer joules. For example: without this engineering, most 100- to 120-joule machines produce 35–50 watts of average power; with this engineering, our 100-joule PulsePoint™ 200 delivers 75 watts of average power.
- Super-high refractive index built into the optics delivers more energy to the target piece.
- The PulsePoint ensures tight, repeatable control to deliver precise results for every weld.
- The stabilized light path designed by the engineers at Neutec stays true, needing no adjustment.

- Built with Neutec higher-efficiency components, the machine runs cooler with less stress on critical-wear parts, delivering a significantly longer service life and requiring less maintenance than other laser welders.
- With excess energy reduced due to more efficient design, flash lamps can deliver up to twice as many pulses as those in systems with lower efficiency.

Advanced Ergonomics

The advanced ergonomics built into the PulsePoint™ laser welders minimize physical stress to the operator and maximize the effective use of space—either on the floor or on your bench or tabletop.

Use the PulsePoint™ to:

- Increase speed and accuracy of welding tasks.
- Repair heirlooms, stone-set jewelry, timepieces and fragile or intricate components—even eyeglasses.
- Repair metal defects, such as porosity, in cast pieces.
- Reduce risk of damage to mounted gemstones.
- Eliminate the need for hot torches and soldering—especially for production runs.
- Reduce solder consumption/cost.
- Create seamless welds—even multiple welds—with no off-color solder joints.
- Ensure a safe, toxic-free work environment.

Superior Support

Training

For a reasonable fee, expert on-site training on your PulsePoint™ 200 laser welder is available. Neutec-certified technicians will train your operators in the basic use and maintenance of the PulsePoint 200.

Reliability

PulsePoint™ laser welders from Neutec/USA® deliver the long life and reliability that are trademarks of Neutec equipment. Our experts are standing by to help you choose the PulsePoint laser welder that is best suited to the individual and unique needs of your business. Call us today and let's talk!