

NEUTEC®

Creative technology from RIO GRANDE

PulsePoint™ Studio Plus 60 & 100

Laser Welding Machines

The Neutec™ Advantage

In the Studio Plus 60 and 100 laser welding machines, Neutec™ provides a more powerful tabletop machine with all the technological and engineering benefits of their larger models. This small machine delivers a higher-duty cycle that meets the demanding work needs of a busy retailer or designer with professional results for far less than larger machines cost—a truly significant benefit for any budget.

The Studio Plus models need only 21½" x 24" of workspace and weigh less than 100 pounds; they're easy to move and set up, easy to use and easy to maintain.

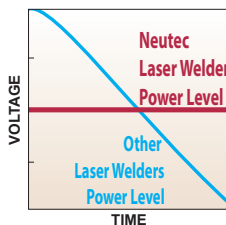
- Larger opening in the weld chamber provides access for larger pieces and allows you to work more freely inside.
- Pulse-shape settings allow you to configure your pulse to take advantage of specific metallurgical characteristics.
- Memory cells allow you to save up to 32 individual, specific configurations for your most-used applications.
- Small footprint fits easily into any shop.
- Affordable—take advantage of laser welding at a cost that is truly budget friendly.
- Superior, high-efficiency components run cooler, reducing stress on critical-wear parts, for notably longer service life and greatly reduced maintenance.
- The Studio Plus models ensure close, repeatable control over laser parameters to deliver precise results.
- Up to 100 joules of output energy is more than enough for nearly every laser-welding application—particularly on silver.
- High-efficiency optics enable a higher average power output from fewer joules.
- User-friendly touch-screen control.
- Advanced constant-voltage inverter power supply eliminates power spikes to deliver more effective welding and drastically extend the flashlamp life.

// Don't let this cool, retro look fool you. This machine gives me all the features I've been wanting in a tabletop laser with tons of power to spare—it's like the Ferrari of laser welding. Fast, compact and responsive, it puts my work on the Autobahn and lets me floor it! //

— Phillip Scott, Rio Grande Tech Specialist



Plus 60 **710-005**
Plus 100 **710-006**



The advanced, constant-voltage inverter power supply improves performance and reduces wear on electronic components.



PulsePoint™ Studio Plus 60 & Plus 100:

Laser crystal:	Nd:YAG	Nd:YAG
Wavelength:	1064nm	1064nm
Input power:	110–230VAC, 50/60Hz 15A, single-phase	110–230VAC, 50/60Hz 15A, single-phase
Output pulse energy:	.25–60 joules	.25–100 joules
Maximum power:	4.0kW	4.8kW
Average power:	40W	55W
Pulse frequency:	0.5–15Hz	0.5–15Hz
Spot diameter:	0.3–1.5mm	0.3–1.5mm
Pulse duration:	0.5–15.0mS	0.5–20.0mS
Dimensions:	21½"W x 24"D x 18"H	21½"W x 24"D x 18"H
Approx. net weight:	34kg (75 lbs.)	36kg (80 lbs.)



800.870.0111

riogrande.com

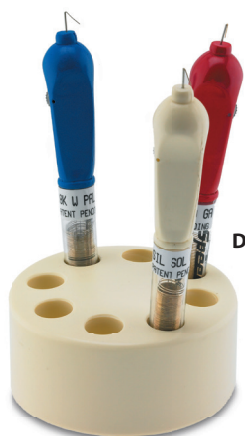


accessories for the

PulsePoint™ Studio Plus



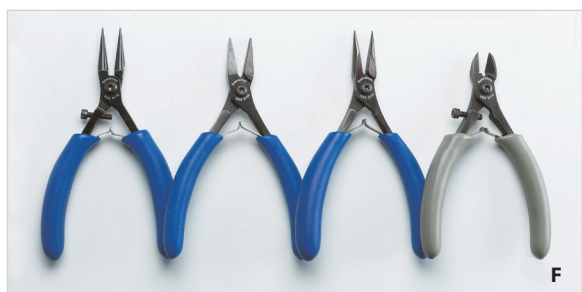
All fine-gauge laser-weight wire and solder (except for stainless steel) are coiled onto a special spool that prevents tangling and allows you to precisely control where the wire is applied while you laser-weld.



Speedwire dispenser stand holds up to eight Speedwire dispensers.



Tape tips to protect delicate work against marring.



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A. Laser-Weight Welding Wire Round, Dead Soft

Laser-weight wire is the ideal companion to all your laser-welding tasks and offers karat matching to the metals you are working on. All varieties are sold on special dispenser spools.

34-gauge; 1-dwt. spool	Qty/spool	Order #
.950 platinum (5% ruthenium)	11.6 ft.	699-334
18K white	16 ft.	604-034
yellow	16 ft.	604-134
14K white	19 ft.	601-134
yellow	19 ft.	600-134
10K white	22 ft.	602-234
yellow	22 ft.	602-134

30-gauge; 1-oz. (troy) spool

Argentium® 930 Sterling	220 ft.	103-330
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30-gauge; 1/2-oz. (avoirdupois) spool

Titanium, grade 1	200 ft.	699-500
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B. Laser-Weight Stainless Steel Welding Wire

This stainless steel binding wire is ideal for laser welding applications.

32-gauge; 8-oz. (avdp.) spool	Qty/spool	Order #
Stainless steel	2913 ft.	503-070

C. Laser-Weight Extra-Hard Silver Solder

This round silver solder is extra-hard, containing 80% silver. It is sold on a special dispenser spool that protect the wire and allow precise, convenient handling as well as precise positioning of the wire. Cadmium-free.

30-gauge; 1-oz. (troy) spool	Qty/spool	Order #
Silver solder	190 ft.	101-730

D. Speedwire Dispensers

Ideal for laser-welding applications, these innovative 4½"-long open-style wire dispensers come pre-loaded with ten feet of annealed wire (non-refillable). Guide the wire without taking your eyes off the work. You save time and improve the accuracy of your welds. Each dispenser is color-coded and clearly labeled to make it easy to select exactly the wire you want.

30-gauge	Order #
14K yellow	710-670
palladium white	710-672
18K yellow	710-674
palladium white	710-676

28-gauge

Sterling solder	710-678
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Dispenser stand

1½"H x 3" diameter	710-680
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E. Short-Nose, Cross-Lock Tweezers

Hold workpieces, components, findings or laser-weight wire precisely and securely while you weld them with this short-nose, fine-point stainless-steel tweezer. The design of the extra-short tweezer nose makes it ideal for maneuvering work within the focal point of the laser. Resin fiber riveted handle provides a sure grip. Tip length: ⅜" (10mm); overall length: 4" (102mm).

Order # **115-070**

F. Swanstrom Micro Pliers Set Forged, machined, and hardened high-carbon, high-chrome alloy steel, these tools feature an anti-glare finish and Soft-Touch™ sure-grip ergonomic handles. Includes round-nose, chain-nose and flat-nose pliers and a super-flush cutters.

Order # **111-729**