

NRGt SERIES



EXPLORE THE FUTURE OF LASER PLASTIC WELDING.

DUKANE.COM/NRG



A true, universal, plug-n-play laser welding solution. The modular NRGt platform was designed to handle virtually any size of part at any production scale—from high-mix, low-volume R&D and pilot production to high-volume, fully-automated scenarios. With advanced quality assurance, beam delivery, and automation modules the NRGt laser systems are fully-equipped, out-of-the-box to meet even the most demanding manufacturing requirements.



NRGt 300



NRGt 400



NRGt 600

Laser wavelength	1µm or 2µm*		
Laser type	Air-Cooled		
Laser power	1 µm: 150W, 300W, 600W 2 µm: 100W, 200W		
Software & controls	LaserLinQ™ process software Industrial PCI w/ touchscreen HMI IoT/MES data passthrough External machine control		
Beam delivery	Galvanometric Scanner Single or Dual-laser Support XY Gantry		
Automation	Two-position Rotary Table Manual Tool Shuttle Automated Tool Shuttle Conveyor Passthrough		
Process monitoring	Collapse Control Pyrometer Thermal Imaging Machine Vision Inspection		
Clamping + tooling	Single or Dual-clamping Force Measurement Tool ID Quick Change Part Presence		
Other options	Remote Maintenance Real-time Camera View Internal Work Lights Manual or Integrated Power Meters		
Power supply	240 VAC 1PH, 25 Amps		
Air supply	Min. 80 PSI, 1scfm Clean, Dry Air		
Laser class	Laser Class 1, CDRH Certified		
Processing Field	Slide Single Clamping: 350 x 400mm Dual-clamping: 350 x 150mm (x2)	Slide Single Clamping: 450 x 400mm Dual-clamping: 450 x 200mm (x2)	Slide Single Clamping: 550 x 600mm Dual-clamping: 550 x 250mm (x2)
	Rotary Single Clamping: 200 x 300mm Dual-clamping: 150 x 150mm (x2)	Rotary Single Clamping: 250 x 350mm Dual-clamping: 200 x 250mm (x2)	Rotary Single Clamping: 275 x 550mm Dual-clamping: 225 x 300mm (x2)
Dimensions (WxHxD)	Rotary & Slider 1000mm (40in) x 1660mm (66in) x 2110mm (84in)	Rotary & Slider 1200mm (48in) x 1870mm (74in) x 2110mm (84in)	Rotary & Slider 1400mm (55in) x 2060mm (81in) x 2110mm (84in)

*Exact wavelengths of laser sources: 1 µm = 980nm and 2µm = 1940nm

NRG*t*

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EXPLORE THE NRG LASER PLASTIC WELDING LINE AT



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100
YEARS OF INNOVATION

