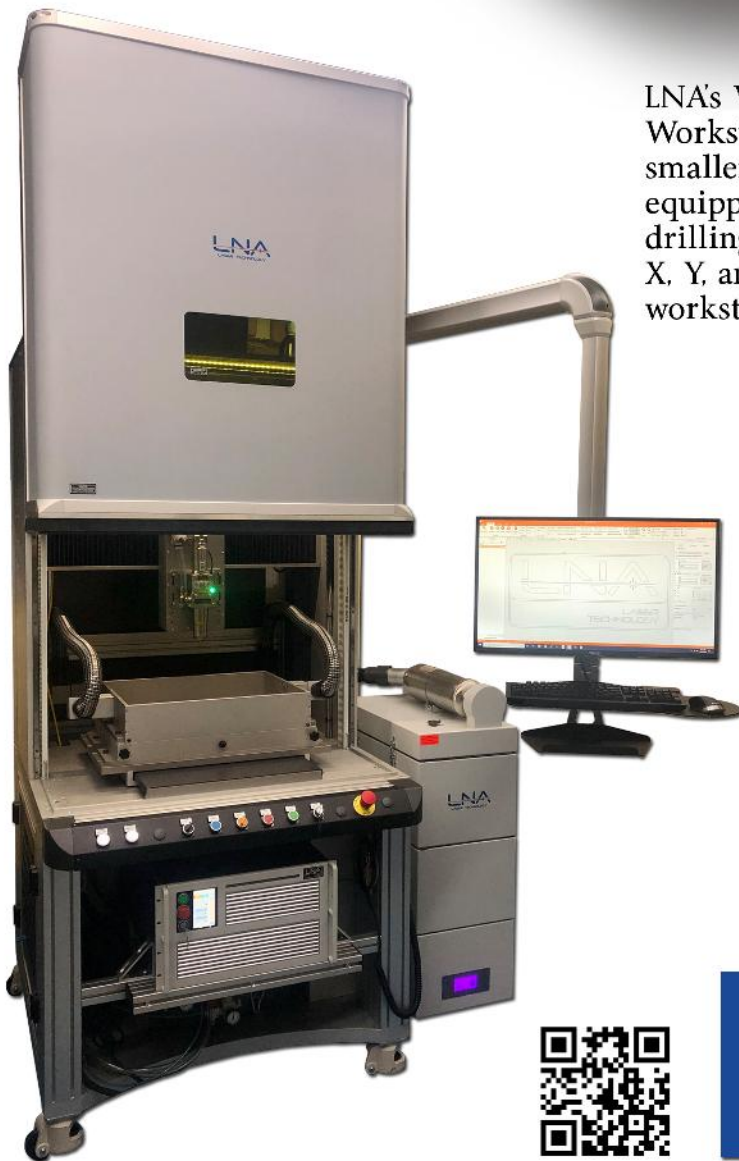


# V Series Universal CNC Laser Processing Workstation

LNA's V Series Universal Multi-Axis CNC Laser Processing Workstation is a cost effective platform for processing smaller components and material sizes. The systems can be equipped with CW and QCW lasers for cutting, welding, and drilling of most metals. The standard configuration includes X, Y, and Z axes with an optional 4th axis rotary. Custom workstation sizes available upon request.



## System Features

- High Speed, High Precision Servo Driven CNC Motion
- CW and QCW Fiber Lasers Available up to 4KW
- Processing Heads for Welding, Cutting, and Drilling
- User Friendly PC Based Operating Interface
- The Versa 500 is equipped with:  
500mm x 365mm x 300 mm of XY & Z travel
- Pneumatic Wrap-around Vertical Door for Maximum Work Area Access
- Class 1 Safety Enclosure



## Ideal Applications

- Spot Welding
- Seam Welding
- 2D Cutting
- Tube Cutting
- Via Drilling
- Medical Devices
- Electronic Enclosures
- Electrical Contacts
- Sensors
- Transducers
- Automotive Components

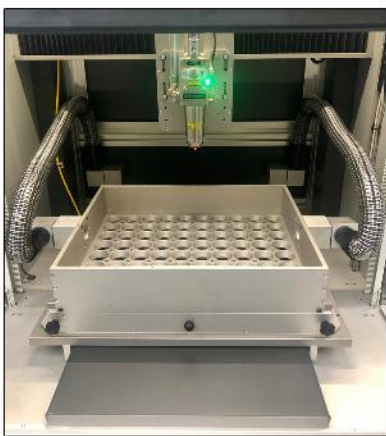
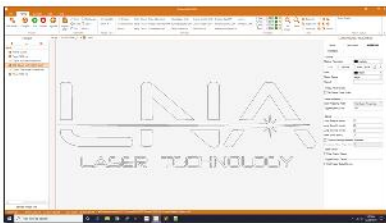


# V Series Universal CNC Laser Processing Workstation



## System Technical Specifications

- Laser Power Options:
  - CW: Up to 1 Kw
  - QCW: 150/1500, 300/3000 & 450/4500
- Beam Delivery - Cutting, Welding and Drilling Heads Available
- Work envelope efficiently sized for R&D and Full Production Requirements
- High Precision Servo Driven XY and Z Stages
- Accuracy:  $\pm 1 \mu\text{m}$  ; Repeatability:  $\pm 1 \mu\text{m}$  ; Max Velocity: 1600 mm/sec
- Z Stage Equipped with Electromechanical Brake
- All Axes Capable of Simultaneous Interpolation
- Controls/ Interface - Industrial Motion Controller, Full Look-ahead Contouring Capability, Laser Power Proportional to Velocity with Full Ramping Capability, Dual Independent Computers, Windows-based CAD/CAM Control Environment, G/M-code Programming, Infinitely Expandable Laser Parameter, Material, and Program Database
- Tooling - Machined Aluminum T-Slot Table and Optional Cutting Box
- Process Gas - Computer Controlled Gas Solenoid Valve and Flow Switch for One Process Gas
- Exhaust - Single or Dual Exhaust Ports, with Optional External Computer Controlled Fume Extraction Unit
- Enclosure - Class I Laser System, with Full Access Wrap Around Door, Magnetic door safety release and Laser Viewing Window



## Optional System Features

- 4th Axis Harmonic Drive Rotary Stage
- Cutting Box with Dual Port Exhaust and Debris Collection Drawer
- Wobble & Micro Processing Heads
- Fume Extraction System with Optional Spark Arrestor

