

ELITE 510 PRECISION PLASMA CUTTING SYSTEM



The Vicon Elite is a highly rigid, precise, and versatile plasma cutting system. Its dual precision worm gear drives, paired with digital motors, enable accurate movement of the all-aluminum tubular gantry. This combination, along with its sharp, crisp motion, results in the most precise parts achievable by a plasma system. The outcome is a high-quality parts with exceptional edge quality. The gantry is compatible with plasma and oxy torches, scribing tools, and drill heads. It also features material stops, cleanout doors, and a machine status panel, ensuring smooth operation and optimal performance for years to come.

Machine Electronics and Motion Controller

Solid-state controls and digital drives ensure fast, precise cutting. Proximity sensors protect the drive train, while CAT-5 cables enable reliable communication between the PC controller and servo drives.

Precision Cutting Torches

Vicon experts guide you in selecting the right torch for your material, balancing cut quality, costs, and system needs. Options range from manual gas to automatic gas consoles for light to heavy materials.

Electronic Torch Height Control & Collision Protection

The Vicon Elite ensures precise cutting with electronic height control and protects your torch with a collision safety device.

Vicon Fabrication Cutting Software

Vicon fabrication cutting software offers a user-friendly interface with features like shape libraries, Super Nest, DXF file import, and CAD sketch tools for maximum efficiency.

FEATURES & BENEFITS

- Standard 5' x 10' cutting areas with options for up to 10' x 40'
- Sharp, crisp gantry motion coupled with a rigid; heavy-duty table dependably maintains the tightest tolerances
- High-tech, precision dual linear guiding and worm gear drives with digital motors produce precise movement of the machined "solid as a rock" gantry resulting in precise cuts and superior round holes.
- State-of-the-Art proximity switches and customized table stops allow for easy diagnostics, trouble free operation, and optimum performance for the life of the machine
- High-speed dual drives enable traversing speeds of more than 2,000 ipm
- PC control with Vicon Fabrication Cutting Software
- On screen status provides efficient control and easy diagnostics