



# FABRICATOR 510SS PRECISION PLASMA CUTTING SYSTEM



The Vicon Fabricator SS is a rugged and flexible plasma cutting machine. The solution for the optimal processing of fabrication or job shop applications. With its swift, precise, and clean CNC cutting capabilities, this system significantly minimizes waste and operational expenses, leading to greater profitability.

## 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

Optional electronic torch height control maintains optimal cutting height for improved cut quality. A collision protection device safeguards the torch from damage, reducing downtime and maintenance costs.

## 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'
- ▶ Highly affordable for high quality, clean edge applications
- ▶ Torch choice flexibility for cutting various metals from gauge to 1-1/4" plate
- ▶ Carriage capacity - two tooling stations to accommodate various cutting applications
- ▶ High-speed dual drives enable traversing speeds of more than 2,000 ipm
- ▶ Precision linear guiding on the X and Y axis enables superior clean edge quality through the use of a precision plasma power source
- ▶ X-axis consists of one linear guide with two rigid recirculating ball bearing guide cars. Y-axis linear guiding consists of four rigid hardened Vee roller guides
- ▶ 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
- ▶ PC control with Vicon Fabrication Cutting Software
- ▶ On screen status provides efficient control and easy diagnostics
- ▶ Customized table stops allow for custom fixturing of parts