

AVIATOR SSD



Aviator SSD shown with optional equipment.

Economical

Durable Steel Construction

Unitized or Free-Standing

Field Upgradeable to Dual-Side Drive (DSD)

The Complete Solution

The **Aviator SSD** from C&G Systems is the next generation of conventional profile cutting solutions that can grow with your company. **Aviator SSD** builds on the strong heritage of our **Aviator** platform with many improvements. This new machine incorporates: single-side servo drive motor, planetary gear boxes, a more robust drive system, **Clean Deck** design, and the latest CNC control systems from **Hypertherm**. **Aviator SSD** is also the industry's first machine to offer a dual-side drive upgrade package, so as your business and requirements grow, **Aviator SSD** can be field upgraded to a dual-side drive (**DSD**) system to handle precision plasma power sources.

Multi-Process

Base machine systems have been pre-configured with conventional plasma systems from 40 amps to 200 amps. Thin gage sheet metal to 1 1/4" plate (32mm), **Aviator SSD** can handle your toughest plasma cutting jobs. For heavy duty cutting capacity, you may add an oxy-fuel cutting station. Plasma marking or pneumatic air scribe may also be added for engraving bend lines or part numbers on the plate.

Plasma Productivity

Aviator SSD delivers productivity. The **Hypertherm EDGEPRO-Ti** CNC controls provides precision motion control for both high-speed plasma and oxy-fuel cutting.

Arc-off time between parts is extremely short with a rapid traverse speed of 500 IPM (12.7m/min.). The **Hypertherm Sensor Ti** plasma torch height control systems rapidly set pierce height and maintain precise torch to plate distance while cutting.

Unitized or Free-Standing Designs

The **Aviator SSD** is available with a unitized water or down-draft cutting table (4'x4', 4'x8', or 6'x12'), or available in 4' or 6' widths up to 20' long for use with free-standing cutting tables.

Rapid Set-Up

Aviator SSD with unitized frame ships mostly assembled, so installation is quick and easy. The frame is leveled, cross beam set, tool carriage mounted, and the cables routed. You will be cutting parts within hours.

CAD/CAM Software

C&G Systems can provide you with a variety of professional CAD/CAM and nesting software packages to meet the demands of your particular application.

Aviator SSD Delivers

Gage metal to heavy plate, **Aviator SSD** delivers full-featured CNC productivity at an affordable price and the ability to grow with you. Call to see why **Aviator SSD** is the best value in the industry.

Your Best Value in Precision Shape Cutting Systems.

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Call **C&G Systems** at (847) 816-9700 to consult with a sales representative today, or visit us on the web at www.cgsystems.com.

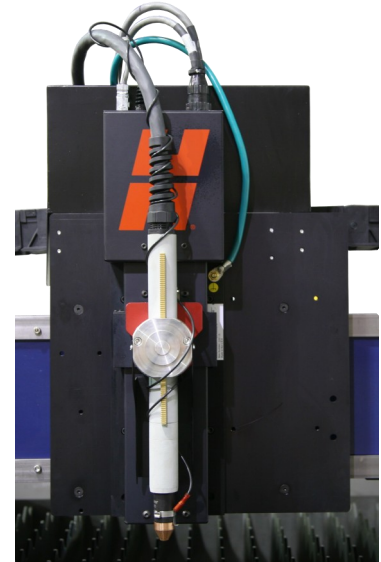
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System Specifications

- △ Machine Sizes
 - △ Integrated Water or Down-Draft Cutting Tables
 - △ 4' x 4' (1.2m x 1.2m), 4' x 8' (1.2m x 2.4m), or 6' x 12' (1.8m x 3.7m) Effective Nominal Cutting Area
 - △ Heavy-Duty Construction with 3/16" Slats on 4" Centers
 - △ Free-Standing Models
 - △ Available in 4' (1.2m) or 6' (1.8m) Widths
 - △ Lengths from 4' (1.2m) to 20' (6.1m) Effective Cutting Area
- △ Tool Station Capacity: 2 (Maximum)
 - △ 1 Plasma Station
 - △ 1 Oxy-Fuel Station
 - △ 1 Marking Station
- △ Industrial PC-Based **Hypertherm EDGEPRO-Ti** CNC Control
 - △ Integrated Torch Height Control System
 - △ Available **Hypertherm Sensor Ti**, Torch Height Control
 - △ Easy-To-Use 15" TFT Touch Screen
 - △ Windows XPE Based Operating System
 - △ 40GB Hard Drive / 1 GB RAM
 - △ USB Ports
- △ Heavy-Duty Drive System
 - △ Powerful Integrated DC brushless Servo Drives
 - △ Up to 500 IPM (12.7m/min)
 - △ Heavy Duty Gear Rack with Over-Sized and Hardened Pinions
 - △ Precision Planetary 10:1 Gear Boxes with <3 arc min. Backlash
 - △ Enclosed Drive System to Protect Machine During Operation
 - △ Precision Machined 45# T-Rail
- △ New **Clean Deck** Design
 - △ Protects Cables and Hoses During Operation
 - △ Provides Easy Access for Routine Maintenance and Service
 - △ Heavy-Duty Power Track on all Axis for Hose and Cable Management
- △ Plasma Systems
 - △ Value Priced 40 to 125 Amp Air Cooled Plasma Systems
 - △ 100 to 200 Amp Water-Cooled, 100% Duty-Cycle Conventional Plasma Systems
 - △ Plasma Station Collision Sensor (Standard)



Aviator SSD is equipped with the **Hypertherm EDGEPRO-Ti** CNC Controller with integrated Height Control System.



Aviator SSD Master Carriage shown with **Hypertherm** Plasma Torch, **Ti** Lifter, and Collision Sensor.

Optional Equipment

- | | |
|---------------------------------------|--|
| △ Air Scribe Plate Marking Station | △ Exhaust Systems |
| △ Fiber-Optic or Wireless Network | △ Dedicated Air Compressors and Dryers |
| △ Oxy-Fuel Torch | △ Professional CAD/CAM and Nesting Software Packages |
| △ Water and Down-Draft Cutting Tables | |

As Demanding As You Are.

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