AVIATOR DXD

Precision Cutting For 50 PLUS YEARS

Unitized or Free-Standing Cutting Tables

Rapid Part and **True Hole Technology** Optimized

Aviator DXD shown with optional equipment.

The Complete Solution

The *Aviator DXD* from *C&G Systems* is the next generation of precision profile cutting solutions for any job shop or manufacturer. *Aviator DXD* builds on the strong heritage of our *Aviator* platform with many improvements. This new machine incorporates: powerful dual-side servo drive motors, planetary gear boxes, a more robust drive system, *Clean Deck* design, and the latest plasma cutting technology from *Hypertherm.*

Heavy-Duty Construction

The new *Aviator DXD* series builds on the time tested *Aviator* platform. The powerful dual-side-drive system rides on precision machined tongue-in-groove 45# T-Rails to ensure a smooth and accurate motion.

Aviator DXD Delivers

Gage metal to heavy plate, *Aviator DXD* delivers full-featured CNC productivity at an affordable price. *Aviator DXD* is the best value in the industry.

Unitized or Free-Standing Designs

Aviator DXD is available with unitized water or down-draft tables (4'x8', 5'x10', or 6'x12'), or available in 6' and 8' widths up to 28' long with free-standing cutting tables.

The Full Suite

C&G Systems has designed its *DXD* series of machines around *Hypertherm's Full-Suite* of genuine *Hypertherm* CNC controls, software, torch height controls, and *HyPerformance* plasma systems, to achieve superior hole quality and significant improvements in productivity.

Plasma Productivity

Hypertherm CNC and Torch Height Controls provide *SureCut™ Technologies* including *True Hole®* and *Rapid Part™* processes. *Rapid Part™* intelligently retracts the torch to next pierce height with rapid Z-axis motion, pre-flows gases during IHS or during machine motion, and optimizes motion between cuts utilizing *ProNest® 2021* software. This typically results in an 80% reduction in cut-to-cut cycle time, and a reduction in overall cycle time of 50% (most significant improvements are achieved on plates with high part/pierce counts). The *Aviator DXD* can be equipped with either one of *Hypertherm's new X-Definition* plasma systems, the *XPR 170™ or XPR 300™* for production cutting capacity of up to 2" steel, 1.75" stainless, and 1.50" aluminum.

Oxy-Fuel Performance

Aviator DXD can also be equipped with an oxy-fuel station for cutting plate up to 4" thick.

Your Best Value in Precision Shape Cutting Systems.

C&G SYSTEMS

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.

AVIATOR DXD

Powered by Hypertherm®

System Specifications

Δ Machine Sizes
  Δ Integrated Water or Down-Draft Cutting Tables
    Δ 4' x 8' (1.2m x 2.4m), 5' x 10' (1.5m x 3m), or 6' x 12' (1.8m x 3.7m) Effective Nominal Cutting Area
    Δ Heavy-Duty Construction with 3/16" Slats on 4" Centers
  Δ Free-Standing Models
    Δ Available in 6' (1.8m) and 8' (2.4m) Widths
    Δ Lengths from 12' (3.7m) to 28' (8.5m) Effective Cutting Area

Δ Tool Station Capacity: 2 (Maximum)
  Δ 1 Plasma Station
  Δ 1 Oxy-Fuel Stations

Δ Industrial PC-Based *Hypertherm EDGE® Connect* CNC Controller
  Δ Easy-To-Use 19.5" **PCAP** Touch Screen
  Δ Windows 10 Operating System
  Δ Solid State Hard Drive USB Port / Networking / Wireless
  Δ *Hypertherm Sensor™ THC*
  Δ Integrated Laser Pointer

Δ Heavy-Duty Drive System
  Δ Powerful AC Servo Drives
  Δ Up To 1,000 IPM (25.4m/min)
  Δ Heavy Duty Gear Rack with Over-Sized and Hardened Pinions
  Δ Precision Planetary 10:1 Gear Boxes with <3 arc min. Backlash
  Δ Precision Machined 45#/yd T-Rail

Δ New *Clean Deck* Design
  Δ Protects Cables and Hoses During Operation
  Δ Provides Easy Access for Routine Maintenance and Service
  Δ Heavy-Duty Power Track on all Axis for Hose and Cable Management

Δ Plasma Systems
  Δ *Hypertherm PowerMax or MaxPro 200™* Plasma Systems
  Δ *Hypertherm XPR 170, or XPR 300™* X-Definition Plasma
  Δ Magnetic Plasma Torch Break-Away (Standard)

Hypertherm EDGE® Connect Controller

Aviator DXD Master Carriage shown with *Hypertherm* Plasma Torch, Collision Sensor, and Oxy-Fuel Torch.

Optional Equipment

Δ Oxy-Fuel Torch
Δ Water and Down-Draft Cutting Tables
Δ Exhaust Systems

Δ Dedicated Air Compressors and Dryers
Δ Advanced *Hypertherm* Nesting Software Packages

As Demanding As You Are.

C & G SYSTEMS

C&G SYSTEMS PRECISION CNC CUTTING SYSTEMS

RoMed Industries

REYCO Precision Welding

CG GLOBAL