

CHALLENGER

DXD



Heavy-Duty Dual-Side Drive

Rapid Part and True Hole Technology Enabled

Challenger DXD system shown with options

Versatile and Expandable

The **Challenger DXD** is your best value for high-production precision plasma, as well as heavy duty oxy-fuel cutting applications. A time-proven design featuring sturdy, long-lasting components will boost your production to new levels. The **Challenger DXD** is available in standard cutting widths of 6', 8' or 10' (1.8m, 2.4m, or 3m). Rail extensions may be added to increase the standard 12' (3.7m) effective cutting length up to 52' (15.8m).

The Full Suite

C&G Systems has designed its **DXD** series of machines around **Hypertherm's Rapid Part and True Hole Technology** processes. By seamlessly integrating the **Full-Suite** of genuine **Hypertherm** CNC controls, software, torch height controls, and **XD** plasma systems, superior hole quality and significant improvements in productivity are achieved.

Heavy-Duty Construction

The new **Challenger DXD** series builds on the time tested **Challenger** platform. The powerful dual-side-drive system rides on precision machined and hardened tongue-in-groove 90# T-Rails and is mounted on 6" x 8" (150mm x 200mm) steel tube pedestals. To ensure a smooth and accurate motion, crowned truck wheels with self-cleaning wipers are used.

Plasma Productivity

The **Hypertherm Edge-Pro** with integrated **ArcGlide THC** (torch height control) meets the demands of high-volume production environments. **ArcGlide THC** utilizes **Rapid Part** technology to intelligently retract the torch to next pierce height with rapid Z-axis motion, pre-flows gases during IHS or during machine motion, and optimizes motions between cuts utilizing **ProNest 2012** 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 **Challenger DXD** can be equipped with **Hypertherm's HPR-130XD, HPR-260XD, or HPR-400XD** plasma systems for production cutting capacity of up to 2" in steel, 2.3" in stainless, and 3" in aluminum.

Oxy-Fuel Performance

Challenger DXD can be equipped with up to 4 oxy-fuel stations. Heavy-duty high performance components are your guarantee of superior productivity. The optional gas system includes twin sets of high and low pre-heat regulators to produce fast pierce rates and balanced torch flames, even with multiple torches. A domed high-flow oxygen regulator provides adjustable pierce rate control and outstanding flow capacity. The standard **Victor MT318** torch is designed for cutting plate up to 12" (300mm) 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.

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DXD

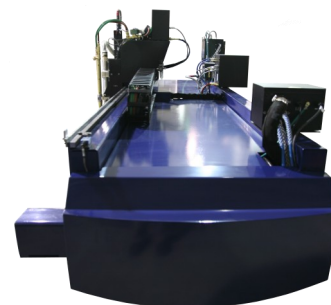
Powered by Hypertherm®

System Specifications

- ☐ Standard Cutting Widths of 6', 8' or 10' (1.8m, 2.4m, or 3m)
- ☐ Standard Effective Cutting Length is 12' (3.7m).
 - Rail Extensions in 4', 8', and 16' (1.2m, 2.4m, and 4.9m) Increments up to 52' (15.8m) Available.
- ☐ Welded Steel Construction
- ☐ Cutting Station Capacity
 - 5 Stations Maximum
 - Up To 2 Plasma Stations
 - Up To 4 Oxy-Fuel Stations
 - 1 Marking Station
- ☐ Industrial PC-Based **Hypertherm EDGE-Pro** CNC Controller
 - Easy-To-Use 15" TFT Touch Screen Operation
 - Windows XP Based Operating System
 - 80 GB Hard Drive / 1 GB RAM / USB Ports
- ☐ Dual-Side Drive with 400 Watt AC Servo Motors
 - Up To 600 IPM
- ☐ Plasma Systems
 - **Hypertherm HPR-130XD, HPR-260XD, or HPR-400XD**, 100% Duty-Cycle Precision Plasma Systems
 - Plasma Station Collision Sensor (Standard)
- ☐ 1.25" Wide Precision Machined and Hardened Ways
- ☐ Hardened 90#, Tongue-In-Groove T-Rail System
- ☐ 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



Hypertherm Edge-Pro
CNC Control.



New **Clean Deck** design provides maximum protection for cables and hoses, while providing easy access for routine maintenance and service.

Optional Equipment

- ☐ Up To 5 Plasma and Oxy-Fuel Cutting Stations
- ☐ Plate Marking Station
- ☐ Fiber-Optic or Wireless Communication Package
- ☐ Air Exhaust or Water Cutting Tables
- ☐ Heat Shields
- ☐ Exhaust Systems
- ☐ Dedicated Air Compressors & Dryers
- ☐ Advanced Professional Nesting Software Packages



Hypertherm
ArcGlide THC

As Demanding As You Are.

C & G SYSTEMS

U.S. CUSTOMER SERVICE:

320 East Main Street, Lake Zurich, IL 60047
Phone (847) 816-9700 ⊕ FAX (847) 816-9777

info@cgsystems.com
sales@cgsystems.com
service@cgsystems.com