

# CHALLENGER

## DXD



## Heavy-Duty Dual-Side Drive

**Rapid Part™ and True Hole® 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 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 Full-Suite** of genuine **Hypertherm** CNC controls, software, torch height controls, and plasma systems, to achieve superior hole quality and significant improvements in productivity.

### 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. The Rail Axis has Helical Rack and Pinion, and the Cross Axis has 25 mm High Speed self lubricating Linear Bearings.

### Plasma Productivity

**Hypertherm CNC and Torch Height Controls** provide **SureCut™ Technologies\*** including **True Hole®** and **Rapid Part™** processes. **Rapid Part™** 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 one of **Hypertherm's XPR™ X-Definition** plasma systems or the **HPR 400XD® HyPerformance** system for production cutting capacity of up to 2" steel, 1.75" stainless, and 1.50" aluminum. The Challenger is also available with the **MaxPro 200®** Oxygen plasma system.

### 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 torch is designed for cutting plate up to 6" thick.

\*True Hole® and Rapid Part™ require the HPR or XPR plasma system

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](http://www.cgsystems.com).

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## DXD

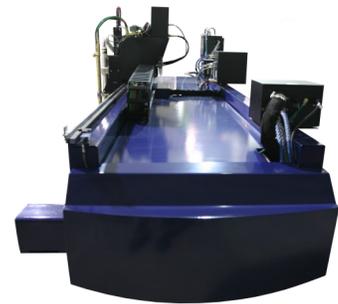
Powered by **Hypertherm**®

### 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
- Standard Heat Shields
- Cutting Station Capacity (5 station Maximum)
  - Up To 2 Plasma Stations
  - Up To 4 Oxy-Fuel Stations
- Dual-Side Drive with 750 Watt AC Servo Motors
  - Up To 600 IPM
  - Precision Heavy-Duty Gear Boxes
- Industrial PC-Based **Hypertherm EDGE® Connect** CNC Controller
  - Easy-To-Use 19.5" **PCAP** Touch Screen Operation
  - Windows 10 Based Operating System
  - SS Hard Drive / USB Ports / Networking
- Optimized Process and Torch Height Settings
  - **Hypertherm Sensor™ THC**
  - Integrated Laser Pointer
- Plasma Systems
  - **Hypertherm XPR 170®, XPR 300™ or HPR 400XD®** Precision Plasma
  - **Hypertherm MaxPro 200®** Oxygen Plasma
  - 25# Magnetic Plasma Torch Break-Away (Standard)
- 25 mm High Speed Linear Bearings (Cross Axis)
- Hardened 90#, Tongue-In-Groove T-Rail System, Helical Rack & Pinion
- 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® Connect**



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



**Hypertherm  
XPR300™ Plasma**

### Optional Equipment

- ProNest 2021 CAD/CAM Software Packages
- Air Exhaust or Water Cutting Tables
- Exhaust Systems, Dedicated Air Compressors & Dryers

**As Demanding As You Are.**

# C & G SYSTEMS

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