

CHALLENGER

DSD



Heavy-Duty Dual-Side Drive

Challenger DSD system shown with options

Versatile and Expandable

The **Challenger DSD** is your best value for high-production conventional or 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 DSD** 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).

CNC Controls

Challenger DSD is available with **Hypertherm EDGE-Ti, EDGE-Pro, Burny 10 LCD+, or Thermal Dynamics XT** CNC Controls. These industrial PC-based controls run in a user-friendly yet powerful Windows XP environment and have 15" TFT touch-screen monitors.

Heavy-Duty Construction

The new **Challenger DSD** series builds on the time tested **Challenger** platform. A powerful dual-side drive system replaces the traditional single-side drive, and rides on precision machined and hardened tongue-in-groove 90# T-Rails 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.

Challenger DSD also features new **Clean Deck** design, which provides maximum protection for cables and hoses, while providing easy access for routine maintenance and service.

Plasma Productivity

A variety of integrated torch height control systems from **Hypertherm, Inova, and Thermal Dynamics** are available to meet the demands of high-volume production. Pierce heights are accurately set prior to each arc start and torch-to-plate distance is precisely maintained during cutting. These systems utilize fast response servo motors for optimal cut quality.

Challenger DSD can be equipped with a wide variety of conventional or precision plasma systems up to 400 Amps from **Hypertherm, Kaliburn, or Thermal Dynamics** for production cutting capacity of up to 2" in steel, 2.3" in stainless, and 3" in aluminum.

Oxy-Fuel Performance

Challenger DSD can be equipped with up to 4 oxy-fuel stations. Heavy-duty high performance oxy-fuel 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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System Specifications

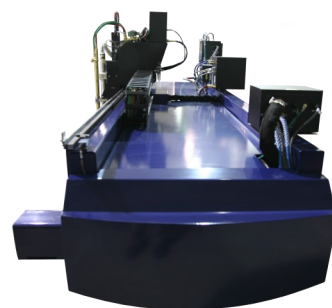
- ☐ Standard Cutting Widths of 6', 8' or 10' (1.8m, 2.4m, or 3m)
- ☐ Standard Effective Cutting Length is 12' (3.7m).
 - Rail Extensions in 4', 8', and 16' (1.2m, 2.4m, and 4.9m) Increments up to 52' (15.8m) Available.
- ☐ Welded Steel Construction
- ☐ Cutting Station Capacity
 - 5 Stations Maximum
 - Up To 2 Plasma Stations
 - Up To 4 Oxy-Fuel Stations
 - 1 Marking Station
- ☐ Industrial PC-Based **Hypertherm EDGE-Ti, EDGE-Pro, or Burny 10 LCD+** CNC Controls
 - Easy-To-Use 15" TFT Touch Screen Operation
 - Windows XP Based Operating System
 - 80 GB Hard Drive / 1 GB RAM / USB Ports
- ☐ 250 Watt DC Brushless or 400 Watt AC Dual-Side Servo Drives
 - Up To 600 IPM
- ☐ Plasma Systems
 - 40 to 100 Amp Air Cooled Plasma Systems
 - 100 to 400 Amp Water-Cooled, 100% Duty-Cycle Conventional and Precision Plasma Systems from **Hypertherm, Kaliburn, and Thermadyne**
 - 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

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
- ☐ Professional CAD/CAM and Nesting Software Packages



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.



Challenger DSD Master Carriage
Equipped with **Hypertherm HPR-260** torch, **ArcGlide THC** with collision sensor, and Oxy-Fuel Torch

As Demanding As You Are.

C & G SYSTEMS

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