

ProStar™ PRS100 CNC Plate Cutting System



MADE IN
USA



Machine shown with optional equipment.

Designed with a functional, unitized frame, or pedestal mount, the dual-drive ProStar PRS100 CNC plate cutting system is built to run a full-production shift every day while enduring the wear and tear of a typical production environment. Advanced motion control enables the use of either conventional or high-definition plasma.* The PRS100 comes standard with an easy-to-use Hypertherm® EDGEConnect® CNC that provides all of the functions required for oxy-fuel and/or plasma cutting, including file conversion.



Versatile and easy to use, the *EDGE Connect* CNC control helps you make the optimal cut every time, whether bevel-cutting, fine-feature cutting, hole cutting, or plasma marking (controller cabinet varies by machine model).

STANDARD EQUIPMENT

- Dual side-drive gantry, high-powered 320W AC brushless drives
- Aluminum reinforced extrusion, machined linear way bridge beam, non-unitized frame
- Hypertherm EDGE Connect numerical control with USB interface and wireless networking
- Rack & pinion drive with precision planetary gear boxes
- 18 homing positions and procedures to square the gantry during setup
- Rail-cleaning wiper system
- Smooth and accurate motion with bearings and multiple adjustments
- Elevated 20 lbs./ft. unitized rails, adjustable leveling pads
- 17-in. active matrix LCD touchscreen
- Power track guide protects hoses and cables
- Heat shields protect cables and hoses from sparks
- Three-part automotive paint finish
- Static water table standard; adjustable water table or downdraft table available as an option

ProStar CNC Plate Cutting Systems

Call Praxair to ask how we can help you increase productivity and lower your cost of operations.



CUTTING DIMENSIONS	ProStar™ PRS100
CUTTING WIDTH	4 ft. - 6 ft.
CUTTING LENGTH	4 ft. - 20 ft.
LIFTER SPEED	
PLASMA	800 ipm
OXY-FUEL	70 ipm
MACHINE SPEED	
TRAVERSING SPEED	1 ipm - 1,000 ipm
CONTOURING SPEED	1 ipm - 500 ipm
CUTTING CAPACITY	
PLASMA	Up to 2 in. mild steel Up to 2 in. aluminum and stainless steel
OXY-FUEL	Up to 3 in.
MAXIMUM STATIONS	
PLASMA	1
OXY-FUEL	1

Specifications subject to change without notice.
Consult your Praxair representative when ordering.

StarSolver® Productivity Solutions

- Plasma arc cutting analysis program
- Oxy-fuel cutting analysis program
- Plasma arc consumable failure analysis program

Controls & Software

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Hypertherm®
EDGE Connect® + ProNest®
CNC software

Hypertherm Sensor® THC Height Control



Enables TrueHole®, TrueHoleBevel™ and Rapid Part™ features
Built in Hypertherm cut charts or part program process codes
Performance advantages without operator input
Operational logic inside the CNC for simplicity

Plasma Arc Power Systems

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Hypertherm HPRXD®
XPR300®, Powermax®
Thermal Dynamics®
Cutmaster® Series

Praxair Fuel Gases

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StarFlame™ C†
Propane
Propylene

Praxair Gases & Blends

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Oxygen, argon, N₂
H35, F5
HydroStar®
D13 air dryer
N₂ generator

OEM Consumables

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Hypertherm
Thermal Dynamics
ESAB®
Harris®

*Contact your Praxair representative for availability and ordering.
†True Hole technology requires a HPRXD auto gas system or XPR300 system.