

PCR41

Advanced Robotic
Plasma Steel Cutting

The PCR41 is an innovative design that combines robotics, vision systems, and plasma torch technology to bring you the best combination of value, speed, precision, and 4-face operation to cutting structural steel.

It's been designed to incorporate as many fabrication functions as possible into one machine. The PCR41 is able to produce completely finished parts at the lowest manufacturing cost. This machine automates all cutting operations typically performed on structural steel.

The PCR 41 processes DSTV/ NC1 files directly from design drawing packages such as Tekla XSTEEL, Design Data SDS/2, Gritec Advance steel and others.

ProEVS DSTV viewer/editor was developed by Prodevco for our plasma cutting robots. This software allows you to create a new part from scratch and edits existing parts drawing for use with the Prodevco OS in a process oriented and user-friendly interface

Plasma Cutting options:

Hypertherm XPR 300 can Pierce up to 1-3/4" and edge start 3"
XPR 300 integrated with Hypertherm True Hole and True Bevel



40 Citron Court, Concord, Ontario, Canada L4K 2P5
Sales 1-877-226-4501

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Quality Accuracy

Our laser measuring system finds the actual dimensions of the raw material and automatically compensates for any variation so the end result matches the drawing.

Simple to Use

Our software is developed in-house to process even the most complex DSTV files.

Low maintenance

The System was designed with a low maintenance criteria. Fanuc robots are widely available throughout the world and have the longest MTBF's in the market (Mean Time Before Failure). The Hypertherm plasma and all electric motorization are known for reliability and low maintenance as well.

Short cycle times

Our 3D vision measuring system allows for faster and very accurate measurements as well as a greater number of measurements in a fraction of the time of physical probing.

4 Face Processing

The PCR 41 can cut slots, holes, copes, and marking onto all 4 faces of HSS.

Shape	Minimum (in)		Maximum (in)	
	Width	Height	Width	Height
H Beam	4	4	30	16
Channel	3	1-1/4	30	16
Angle	2	2	8	8
HSS	2	2	16	16

Supported Operations
Copes and notches
Holes and slots
Compound angle cuts
Welding preparation up to 45
Beam splitting
Scribing, pop marks, letters, etc.

After Sales Service

Remote access to the PCR via Internet for fast diagnostic and troubleshooting. Cameras within the enclosure let our technicians see what the operator sees.

Feel confident that the PCR 41 is fully covered for parts and labour under warranty.