

# PCR42

Advanced Robotic  
Plasma Steel Cutting

The PCR42 is the system of its kind in the world to plasma cut standard structural steel AND round tubes.

- Round tubes and standard structural steel in same cutting platform
- Perfect control of rotation
- Angled and compound angle cuts
- Precise positioning of cuts across full length of tubes
- Offline prep of carriage system
- Remarkably faster than manual

Specifications	
Diameter	to 26'
Maximum angle in cut	50 degrees

**FANUC**

**HYPERTHERM**  
A Hypertherm Associates Brand

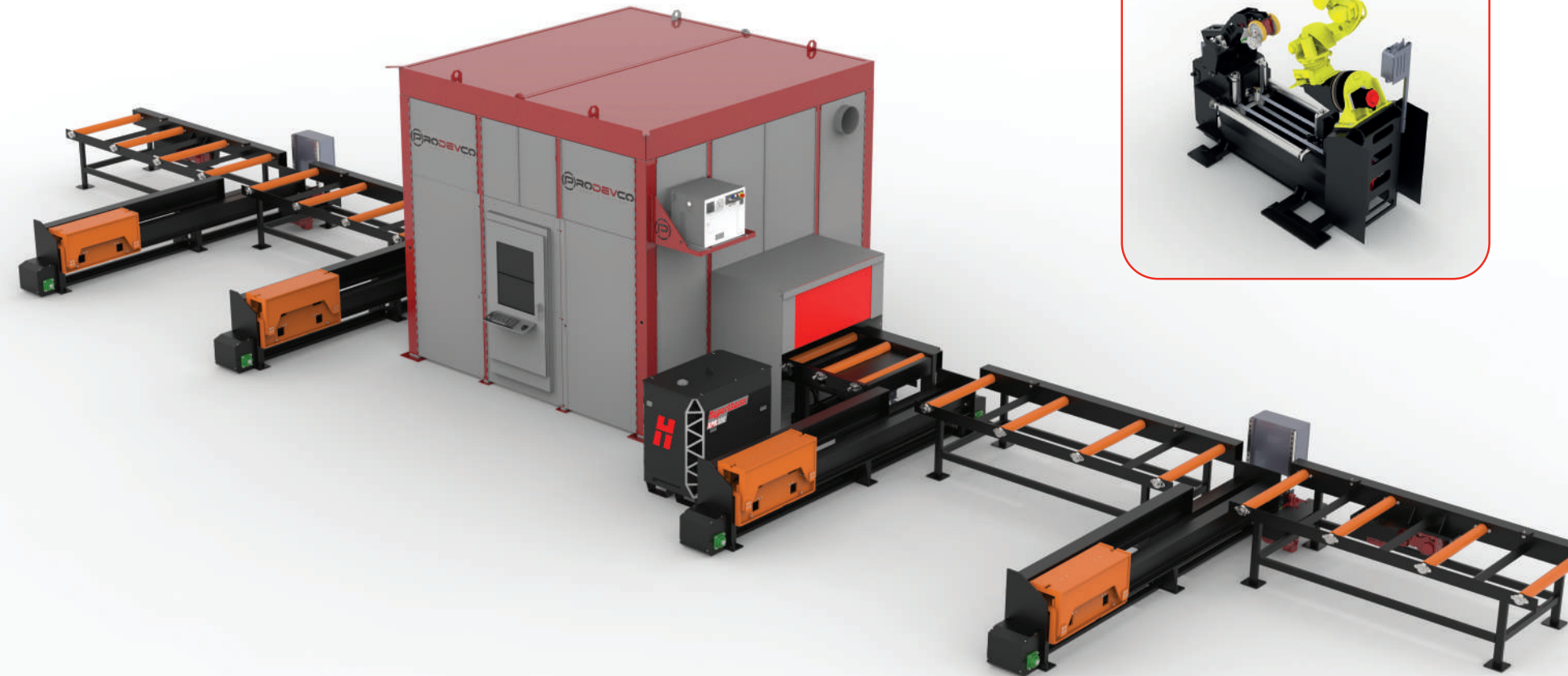
**PRODEVCO**  
ROBOTIC SOLUTIONS

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

[www.prodevcoind.com](http://www.prodevcoind.com)

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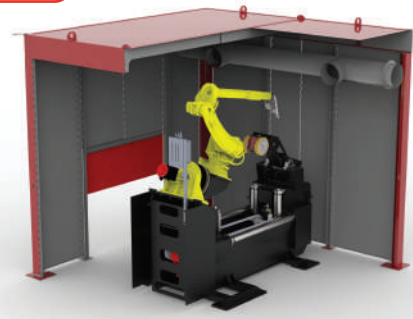
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## After Sales Service

### We stand behind our products.

At Prodevco we are committed to delivering outstanding service.

### Remote diagnostics

Our technicians can connect to your machine (via Internet). Cameras within the enclosure give our technicians eyes on capabilities.

### Low Maintenance

Heavy duty construction of the PCR42 is adapted for the steel industry.

## Quality Accuracy Speed

Faster and more precise than traditional measuring methods, this state-of-the-art platform is not affected by excessive rust, debris, mechanical slippage or wear and tear. Our 3D Vision

System measures the actual dimensions of the raw materials and automatically compensates for any variation. The end results correspond exactly to the supplied DSTV file.

## Scribing and Layout

Reduce costly fitting errors with the added benefit of scribing, layout and markings.

## Simple to Use

Our software is developed in-house to process even the most complex DSTV files generated by your detailing software.\*

Shape	Minimum (in)		Maximum (in)	
	Width	Height	Width	Height
H Beam	4	4	40	16
Channel	3	1-1/4	40	16
Angle	2	2	8	8
HSS	2	2	24	20
Round*	4		26	
Plate Processing**	2	1/8	48	1-1/2

Minimum rawshape length is 7 feet

\*requires round tube option  
\*\*requires plate processing option

Supported Operations
Copes and notches
Holes and slots
Compound angle cuts
Welding preparation up to 50°
Beam splitting
Scribing, pop marks, letters, etc.

"Prodevco understands what it takes to be a modern fabricator, and their equipment is designed to meet the unique challenges we face each day.

Having them on our team makes all the difference and allows us to take on more work with confidence!"

- Joshua L. Hanson Sr,  
MSD Building Group.



"I love the machine. I can now do in a day what used to take me a week... What's not to love."

- Josh Clifton,  
National Machinery.



## 4 Face Processing

The PCR42 can cut features onto 4 faces of a profile, including slots, holes, copes and marking

Hypertherm XPX-460 Plasma Cut Capability with Argon assist (In)	
Pierce	Edge Start
2-1/2	4

Hypertherm XPR_300 Plasma Cut Capability (in)	
Pierce	Edge Start
1-3/4	3

\* Data sources  
DSTV files from TEKLA, SDS/2, GRAITEC and other detailing software

