PCR42

Advanced Robotic Plasma Steel Cutting

The **PCR42** is the first system of its kind in the world to plasma cut standard structural steel profiles AND round tubes. (Patent Pending)

- Round tubes and standard structural steel profiles 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	4" to 26"
Maximum angle in cut	45 degrees

ProDevco
ROBOTIC SOLUTIONS

www.prodevcoind.com

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"Thanks, Prodevco! The machine is working every day and we are seeing up to 50% labor reductions in our projects. When we have some small problems, we work through them with the help of your technicians. This has been a great investment!".
R Thiessen, AB Western Mfg

4 Face Processing

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

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Quality Acuracy 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.

Productivity and Payback

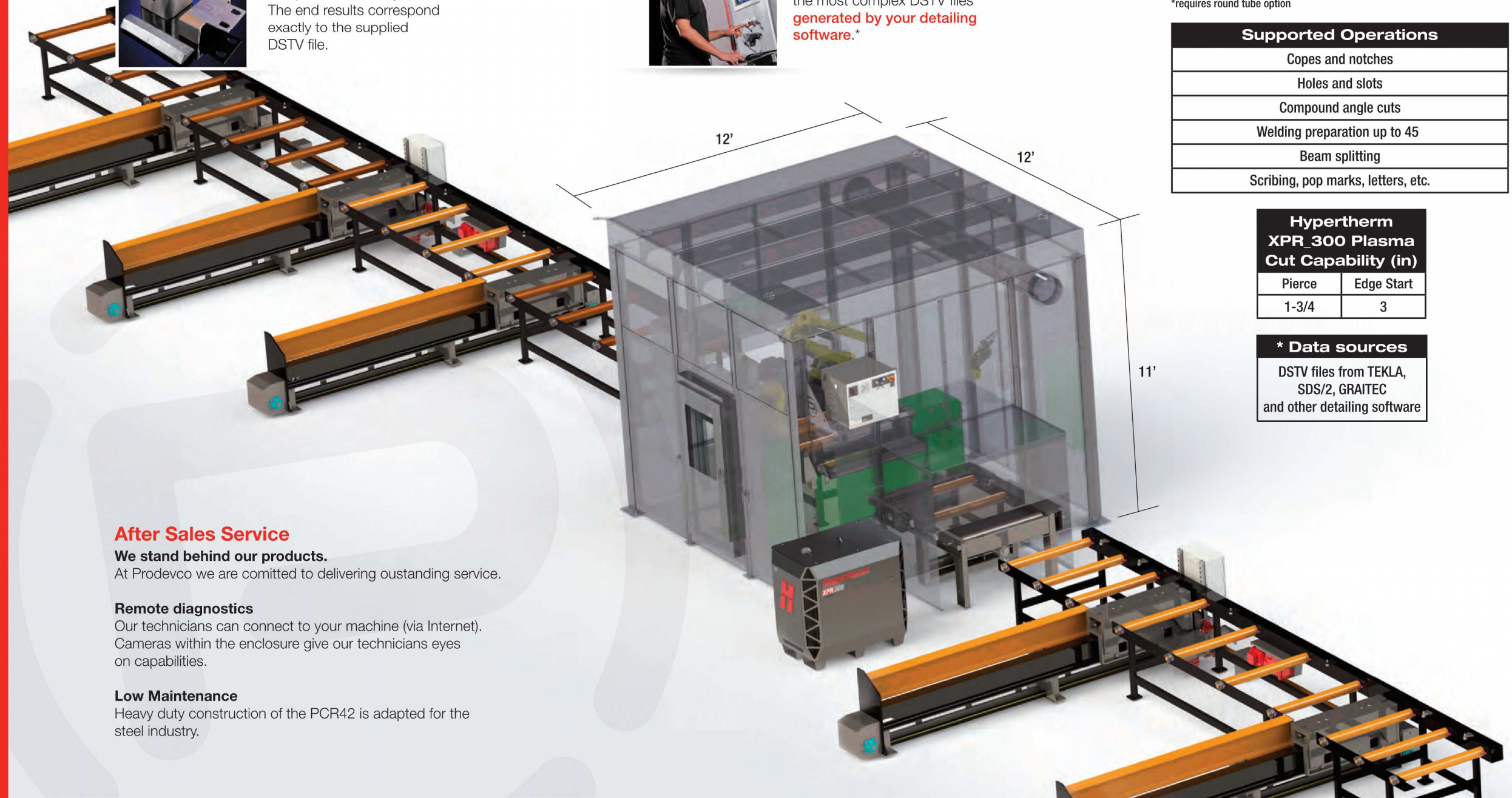You can nest several parts from a raw piece to **reduce handling and increase productivity**.

Simple to Use

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

Shapes Processed				
Shape	Minimum (in)		Maximum (in)	
	Width	Height	Width	Height
H Beam	4	4	36	16
Channel	3	1-1/4	36	16
Angle	2	2	8	8
HSS	2	2	24	20
Round*	4		26	
Minimum raw shape length is 7 feet				

*requires round tube option

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

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

12' 12' 11'

After Sales Service

We stand behind our products.
At Prodevco we are comitted to delivering oustanding 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.

Hypertherm®
Cut with confidence™

FANUC Robotics
AUTHORIZED INTEGRATOR