

**PCR 51**

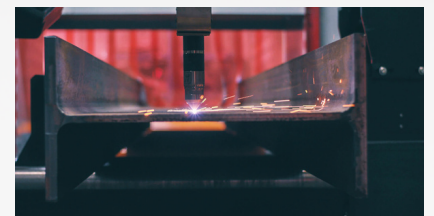
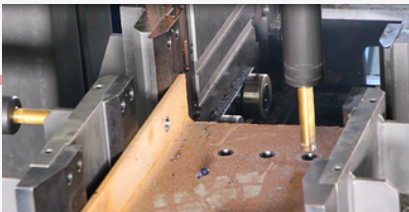
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**Combination Drill and Robotic  
Plasma Coping Machine**



## All in one beam line for drilling, coping, and plasma cutting

- Sub-Axis spindle positioning allows simultaneous drilling on all 3 faces even when holes are not aligned, as well as machining for slots.
- Capable carbide marking and scribing
- Automatic tool changer with up to 3 tool positions per side for various tasks such as drilling, milling, tapping, countersinking, layout marking and centerpoint marking
- Pincher with rack and pinion positioning and measuring to achieve the highest accuracy
- Operator control from touchscreen with industrial PC, utilizing our simple-to-use in-house software that processes industry-standard DSTV (.NC1) files seamlessly.



Supported Operations
Copes and Notches
Holes and Slots
Compound Angle Cuts
Welding Preparation up to 45°
Beam Splitting
Scribing, Pop Marks, Letters, Etc
3 Spindle Drill with Sub Axis
Pinch Roller Feeding and Measuring
Laser Measuring System

Drilling and Robotic Plasma Cutting	
Section Size (Min)	6"x 3" (150x75mm)
Section Size (Max)	51"x 20" (1300x500mm)
Drilling Head (No.)	3
Drill Bit Capacity Ø	1/2" to 1-1/2" (12 to 40mm)
Automatic Tool Changer Option	3 set per axis
Spindle Power	24 HP (18kw)
Spindle Sub Axis Stroke	17" (430mm)
Double Miter Plasma Cutting	-45°, +65°
Plasma Cutting	Hypertherm XPR300
Plasma Pierce Capacity	1 3/4" - 2" argon assist

## Quality Accuracy

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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.

## Low Maintenance

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The System was designed with low maintenance criteria, utilizing reliable components such as Fanuc robots with the longest MTBFs globally, and Hypertherm plasma technology known for its reliability and minimal maintenance requirements.

## Short Cycle Times

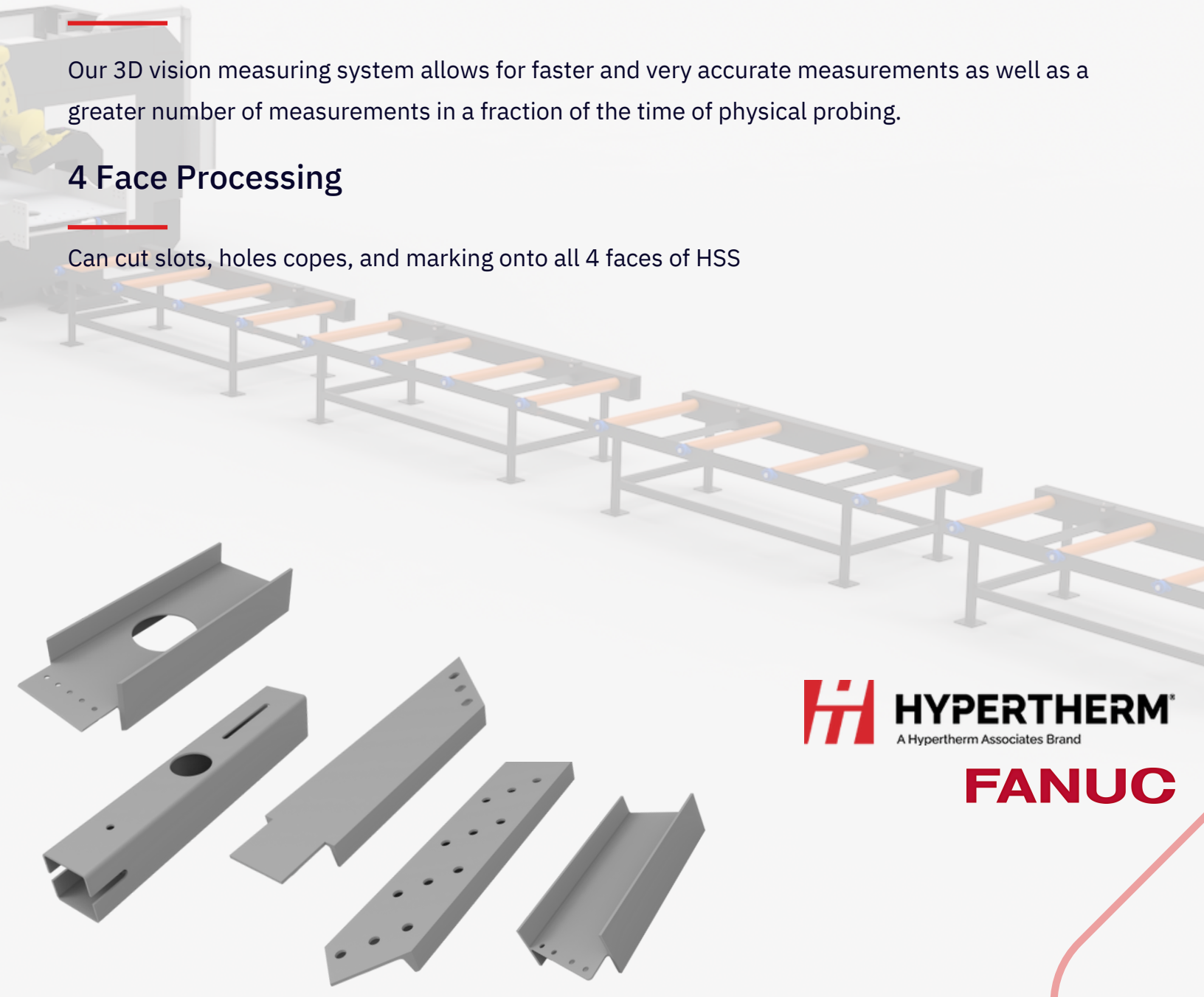
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Our 3D vision measuring system allows for faster and very accurate measurements as well as a greater number of measurements in a fraction of the time of physical probing.

## 4 Face Processing

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Can cut slots, holes copes, and marking onto all 4 faces of HSS





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

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40 Citron Court, Concord, Ontario

Canada L4K 2P5

Sales: 1-877-226-4501

[sales@prodevcorobotics.com](mailto:sales@prodevcorobotics.com)