



PATAGONIA BEAMPRO

AUTOMATED WELDING OF STRUCTURES AND OR COLUMNS

The first welding system with automated AI software. Automated welding without programming the robot. Perfect structures, without human intervention.



AI. SOFTWARE INTEGRATION



INNOVATION IN AUTOMATION
& INDUSTRIAL DIGITALIZATION

Panasonic Welding Robot

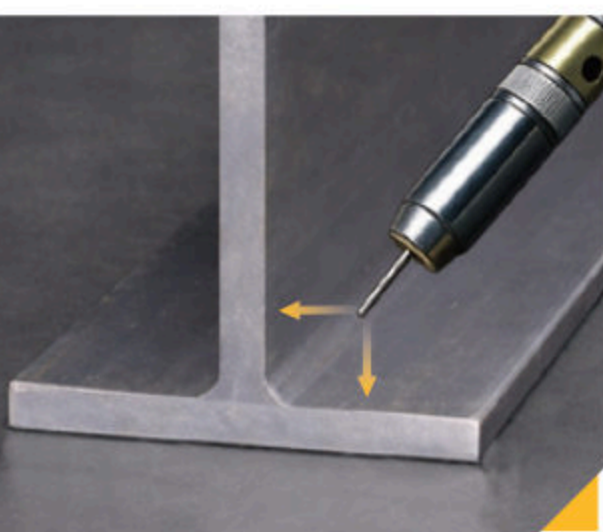
A global leader in welding robotics, manufactured entirely in Japan, the Tawer G4 series offers the only integrated communication system on the market, with communication speeds 250 times faster than conventional systems.

The patented collision-avoidance system prevents TCP loss; see other advantages.

Panasonic

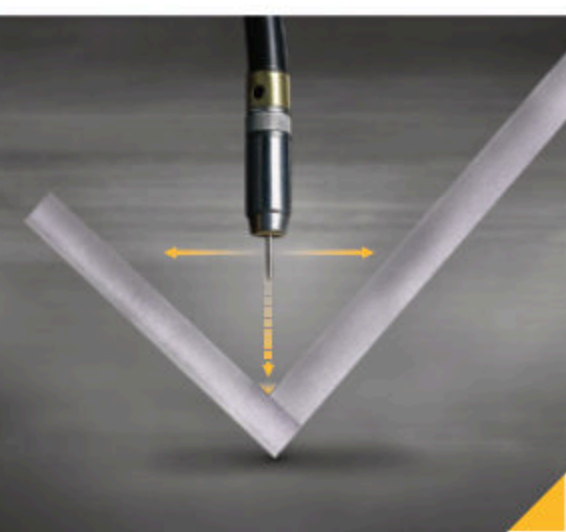
Touch Sensor

New technology for automatic position detection that requires no camera, no laser scanner, and no programming



ARC Sensor

While welding, it detects the width of the groove and centers the torch to compensate for misalignment



Welding of stiffeners and connectors in a single operation

Developed exclusively for the welding of structural profiles: H and W beams, HSS columns, channels, and fabricated beams. Maximum efficiency for agile and standardized production



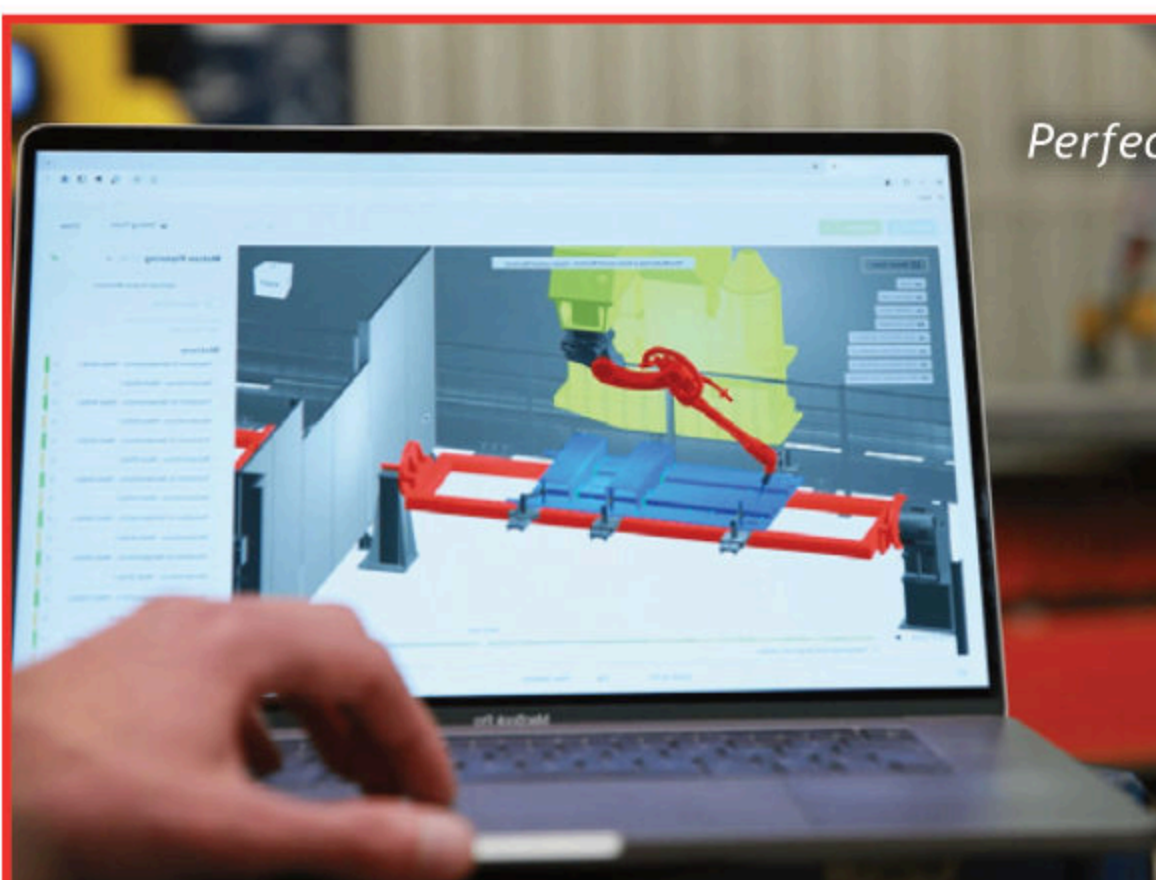
No programming required



2 hours of training



No hardware required—just an internet connection



Perfect **ARC**

Integrated system with AI-powered welding software

Perfect ARC®



No camera or weld scanner required



No devices required

Modular Design

BeamPro is available in different configurations



**Single Station
+1 Robot**

**Double Station
+1 Robot**



**Double Station
+2 Robot**



Features	Patagonia BeamPro	Manual Welding	Robot with camera
Programming time	None	N/A	High
Compatible welding equipment	★★★★★	★★★★★	★★
Environment preparation	Not required	Requires preparation	Requires preparation
Operator skill level	Low	High	Very high
Requires devices (flexibility)	Not required	Not required	Requires device
Efficiency loss due to sensing	Low	N/A	High

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