

JWB
JW BELL

Bob Taylor
Manufacturing Sales and
Service
C: 319-361-6087
BobT@jwbell.com

BEAMCUT™
SYSTEMS

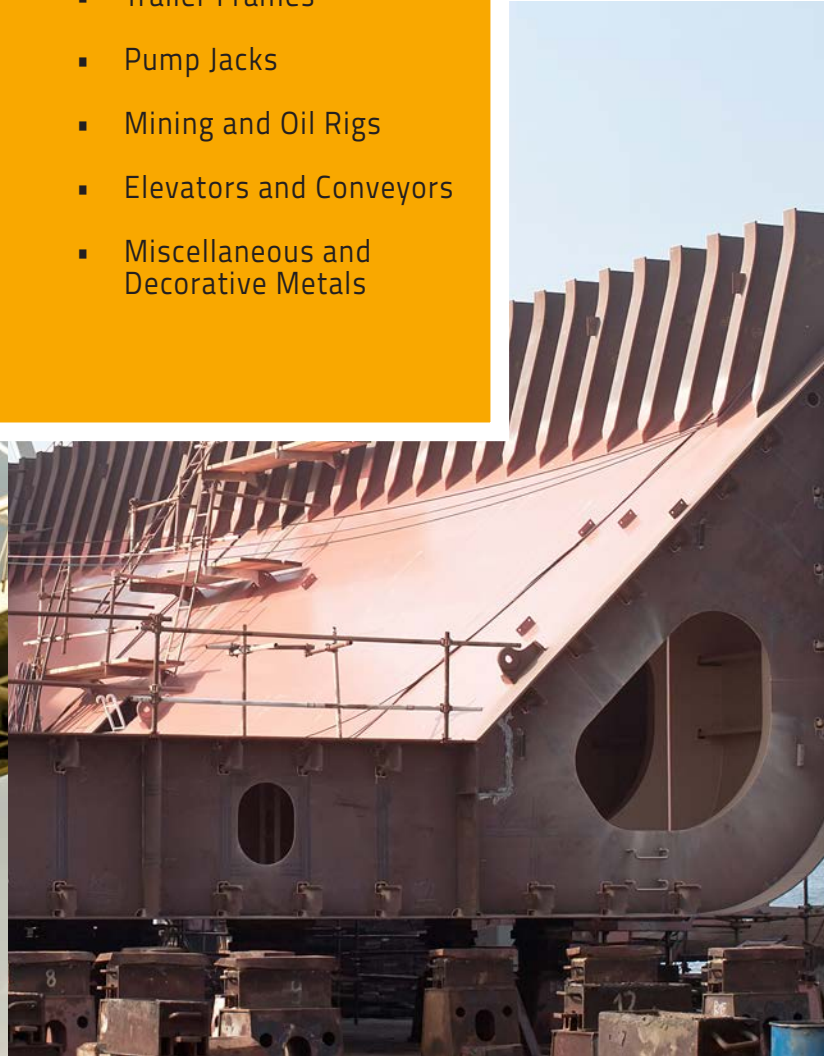


ROBOTIC PLASMA CUTTING SYSTEMS

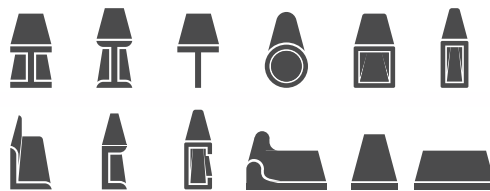


MADE FOR STEEL FABRICATORS AND MANUFACTURERS

- Buildings and Bridges
- Arenas and Stadiums
- Shipbuilding
- Pipe Racks
- Stair Stringers and Skids
- Embeds
- Power Transmission Towers and Solar Panels
- Equipment Fabrication
- Industrial
- Trailer Frames
- Pump Jacks
- Mining and Oil Rigs
- Elevators and Conveyors
- Miscellaneous and Decorative Metals



SPECIFICATIONS

	STRUCTURAL WORKING DIMENSIONS	
	MINIMUM (width x height)	MAXIMUM (width x height)
H Beam	4" x 4" (100mm x 100mm)	30" x 12" (762mm x 304mm)
I Beam	4" x 4" (100mm x 100mm)	30" x 12" (762mm x 304mm)
T Beam	4" x 2" (100mm x 50mm)	29" x 12" (736mm x 304mm)
Pipe (Diameter)	2" (50mm) (Optional)	12" (304mm) (Optional)
HSS Square	2" x 2" (50mm x 50mm)	12" x 12" (304mm x 304mm)
HSS Rectangular	2" x 2.5" (50mm x 62mm)	30" x 12" (762mm x 304mm)*
Angle	2" x 2" (50mm x 50mm)	10" x 10" (254mm x 254mm)
C Channel	4" x 2" (100mm x 50mm)	30" x 5" (762mm x 127mm)
Bulb Flat	2" (50mm)	30" (762mm)
Flat	2" x 3/8" (50mm x 9.5mm)	30" x 3" (762mm x 76mm)***
U-Channel	4" x 2" (100mm x 50mm)	30" x 5" (762mm x 127mm)
Min. Beam Length	4" (102 mm)	
Max. Beam Length	65' (19,800mm)	
Material Faces	4	
Plasma Unit	Hypertherm	
Thickness	Piercing: 1.25" (30mm), Edge Start: 2" (50mm)	
Welding Prep. Bevel	52°	
Etching and Marking	Yes	



SHAPES AND PROFILES



H-BEAM

4" x 4" (100mm x 100mm)

To

30" x 12" (762mm x 304mm)



C-CHANNEL

4" x 2" (100mm x 50mm)

To

30" x 5" (762mm x 127mm)



SQUARE HSS

2" x 2" (50mm x 50mm)

To

12" x 12" (304mm x 304mm)



RECT. HSS

2" x 2" (50mm x 50mm)

To

30" x 12" (762mm x 304mm)



ANGLE

2" x 2" (50mm x 50mm)

To

12" x 26" (304mm x 660mm)



U-CHANNEL

4" x 2" (100mm x 50mm)

To

30" x 5" (762mm x 127mm)



FLAT BAR

2" x 3/8" (50mm x 10mm)

To

30" x 3/8" (762mm x 10mm)



ROUND HSS

2" (50mm)

To

12" (304mm)



I-BEAM

4" x 4" (100mm x 100mm)

To

30" x 12" (762mm x 304mm)



T-BEAM

4" x 2" (100mm x 50mm)

To

29" x 12" (736mm x 304mm)



BULB FLAT

2" (50mm)

To

30" (762mm)

PHOTO-LASER MEASURING DEVICE

Our custom Photo-Laser Measuring Device is unique to the industry allowing automatic split-second profiling and positioning of your piece and guarantees the most precise cut possible.

6-AXIS FANUC ROBOT ARM

The 6-axis industrial FANUC Robotic Arm ensures best in class cut quality by eliminating motion sway and cutting vibration. What's special about ours? It is stronger and more powerful than the closest competition resulting in faster and more precise cuts.



Bob Taylor
Manufacturing Sales and Service
C: 319-361-6087
BobT@jwbell.com

HYPERTHERM PLASMA

Hypertherm's versatile plasma systems have been designed and built for maximum efficiency and productivity for x-y-z cutting, chamfering and robotics operations. Combined with the Fanuc robot arm, it produces perfect bolt holes with no taper.

REMOTE REAL-TIME MONITORING

The Beamcut is equipped with four cameras that capture all of the activity that is taking place around the Beamcut