



HJ BURTON
Manufacturing



HJ BURTON MANUFACTURING

39 Selby Road, Brampton ON, L6W 1K5

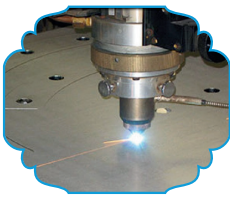
Full Engineering Services Including:

- Laser Cutting
- Tube Cutting
- Welding
- Bending

FULL ENGINEERING SERVICES

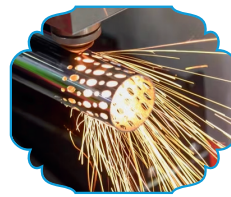
HJ Burton serves as the manufacturing industry's comprehensive resource for all manufacturing needs.

We are able to offer the most cost-effective manufacturing solutions from complete design & engineering thanks to our special combination of aluminium extrusion & machining, large format fibre laser cutting services, CNC laser cutting, forming, turning, milling, and stamping, along with complete welding, fabrication, assembly, & painting services.



Laser Cutting

Laser cutting is a precise manufacturing process utilizing a focused, high-energy laser beam to vaporize or melt material, producing intricate shapes with minimal heat-affected zones and exceptional edge quality.



Tube Cutting

Tube cutting is achieved through precision CNC machinery. A rotating cutter engages with the tube, precisely following programmed instructions to ensure accurate, clean, and consistent cuts in various materials and profiles.



Rolling

Rolling is a metal forming process where a workpiece, often a sheet or plate, undergoes plastic deformation by passing through a pair of rotating rollers to reduce thickness and achieve desired shape.



Bending

Bending is a metal forming process where material is subjected to force, causing it to deform along a specified axis, creating an angle or curvature while maintaining material integrity through plastic deformation.



MIG Welding

MIG (Metal Inert Gas) welding is a fusion process where a consumable wire electrode, shielded by an inert gas like argon, generates an electric arc to join metals through controlled heat.



TIG Welding

Tungsten Inert Gas (TIG) welding employs a non-consumable tungsten electrode to create an electric arc. Inert gas shields the weld pool, allowing precise, high-quality fusion of metal components through controlled heat input.

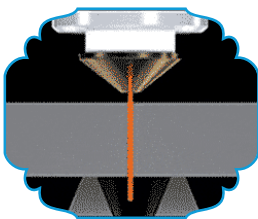
CUTTING SAMPLES (PRODUCTS)



T-SERIES (TUBE CUTTING)

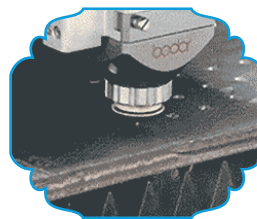
Fiber laser metal tube cutting machine.

Multiple function options help the laser tube cutting machine be used in numerous tube cutting processes.



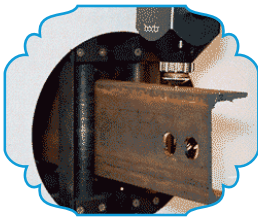
Gas-saving Nozzle with Steady Flow

Cutting performance and efficiency are improved by maintaining gas flow steady with little turbulence.



Bodor Lightning

The lightning-quick piercing process combined perfectly with BodorGenius completes the whole piercing just during the laser cutter head moves down on Z-axis.



Angle Steel and Channel Steel Cutting

Angle steel and channel steel cutting are standard with no need for additional installation.



Four-side Edge Searching, Higher Precision

Optimized edge searching method and algorithm guarantee higher cutting precision and better steadiness of the laser cutter.

TECHNICAL DATA

MODEL	T230
Effective Tube Cutting Length	6500mm/9200mm
Laser Output Power	6000w/3000w/1500w
Effective Square Tube Cutting Scope	□20*20-□230*230mm
Effective Round Tube Cutting Diameter	Φ20-230mm
Rectangular Tube Edge Length	20-230mm
Rectangular Tube Outer Circle Diameter	≤230mm
X/Y-Axis Positioning accuracy	0.05mm/m
X/Y-Axis Repositioning accuracy	0.03mm
X axis maximum speed	100m/min
Y axis maximum speed	90m/min





CUTTING SAMPLES





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CERTIFIED TO ISO 9001 - 2015

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