HEAVTH®

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Industrial Robot Series

BR Industrial Robot Welding



High flexibility
High efficiency
Easy to weld different seam
Robot payload: 5kg-20kg
Repeated accuracy: ±0.05mm
Arm Reach: 700mm,1000mm,1500mm,2200mm
Welding method: MIG, TIG, Laser welding
Optional: Positioner, Guide rail, Rotary table, Visual tracking

BR Industrial Robot Cutting



High flexibility
High efficiency
Easy to cut any workpiece
Robot payload: 5kg-20kg
Repeated accuracy: ±0.05mm
Arm reach: 700mm,1000mm,1500mm,2200mm
Cutting method: Flame, Plasma, Laser cutting
Optional: Positioner, Guide rail, Rotary table, Visual tracking

Collaborative Robot Series

FR Collaborative Robot Welding



Drag teaching
Collision detection
Portable and lightweight
Robot payload: 3kg-20kg
Repeated accuracy: ±0.02mm
Arm reach: 650mm, 1000mm, 1400mm
Welding method: MIG, TIG, Laser welding
Optional: Guide rail, Positioner, Rotary table, Visual tracking

FR Collaborative Robot Cutting

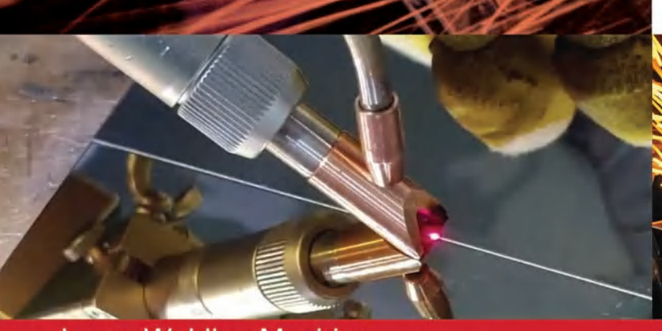


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HEAVTH®

HEAVTH MACHINE SERIES CATALOG

WELDING CUTTING









Laser Welding Machine

Handheld Laser Welding Machine



Light: A70i only 22kg
3 in 1: Welding, Cutting, Cleaning
Fast: Up to 4X faster TIG
Easy: Beginners can get started easily
Wide: Up to 1/4 in. (6 mm)
Wire feeder: 0.8-2mm wire
Laser Power: 1000W, 1500W, 2000W, 3000W
Welding Thickness: 0.2~9mm
Cooling Method: Air cooling or Water cooling
Weldable: Carbon steel, Stainless steel, Aluminum, Cooper, Titanium

Automatic Laser Welding Machine



Versatile: Up to 6 axis
Fast: Up to 4X faster TIG
Intelligent: Welding any shape
Visualization: CCD screen
Wide: Up to 1/4 in. (6 mm)
Wire feeder: 0.8-2mm wire
Laser Power: 1000W~6000W
Welding Thickness: 0.2~15mm
Cooling Method: Air cooling or Water cooling
Weldable: Carbon steel, Stainless steel, Aluminum, Cooper, Titanium

Laser Cutting Machine

Plate Laser Cutting Machine



Laser Power：1kW~80kW
Cutting Range: 1.5×3m, 2×4m, 2×6m
Maximum Speed: 100mm/min
Repeat Accuracy：±0.03mm/m
Bed Structure: Cast aluminum beam, plate welding bed
Optional: Exchange workbench/ Dust removal system
Cuttable：Carbon steel, Stainless steel, Aluminum, Cooper, Titanium

Plate/Pipe Laser Cutting Machine



Laser Power: 1kW~20kW
Pipe Dimeter: 20mm~320mm
Cutting Range: 1.5×3m, 2×4m, 2×6m
Maximum Speed: 100mm/min
Repeat Accuracy: ±0.03mm/m
Pipe type: Circular, Square, Rectangle, U-bar, L-bar
Bed Structure: Cast aluminum beam, plate welding bed
Cuttable: Carbon steel, Stainless steel, Aluminum, Cooper, Titanium

Plasma And Flame Cutting Machine

Protable Plasma/Flame CNC Cutting Machine



Thinkness: Plasma 1-50mm, Flame 5-150mm
Cutting Range: 1.5×3m, 2×3m, 2×6m
Maximum Speed: 8m/min
Repeat Accuracy: ±0.3mm/m
Rail Structure: 6061 aluminum beam
Optional: Torch height control, Auto ignition, Pipe cuttable
Cuttable: Carbon steel, Stainless steel, Aluminum, Cooper, Titanium

Gantry Plasma/Flame CNC Cutting Machine



Maximum Speed: 10m/min
Repeat Accuracy: ±0.2mm/m
Rail Structure: 24kg or 38kg rail
Cutting Range: 2×3m, 3×6m, 4×12m
Thinkness: Plasma 1-60mm, Flame 5-200mm
Optional: Torch height control, Auto ignition, Pipe cuttable
Cuttable: Carbon steel, Stainless steel, Aluminum, Cooper, Titanium

Laser Cleaning And Cladding Machine

Laser Cleaning Machine



Fast removel, easy to operat
Environmental protection
Laser: Continuous or pulse type
Wide: Up to 12 in. (300mm) Scan width
Laser Power: 1kW~6kW
Head: Single wobble or dual wobble cleaning head
Cooling Method: Air cooling or Water cooling
Cleanable: Paints, Rust, Resins, Grease, Stains, Coatings, Dirt.

Robotic Laser Cladding Machine



Good shape, low dilution rate
High hardness cladding layer
Versatile: External axis optional
Laser Power: 4kW~12kW
Powder: Circular feeding
Large changes in particle size and content
Good adhesion between coating and substrate
Alternative: Surfacing, spraying, and electroplating
Materials: Suitable for cladding with multiple materials