



PRODUCT RANGE

HEAVY-DUTY LARGE FORMAT CNC CUTTING MACHINES FOR INDUSTRY



INDUSTRIES:

- STEEL CONSTRUCTION • RV AND TRAILER MANUFACTURERS
- METAL FABRICATION • TRUCK CHASSIS & BODY BUILDERS
- SHIP & BOAT BUILDERS • PLASTIC FABRICATORS

MATERIALS:

- ALL STRUCTURAL STEEL PROFILES • PIPE & RECTANGULAR TUBE
- STEEL & ALUMINUM PLATE & SHEET • SANDWICH PANEL
- COMPOSITES AND LAMINATES • PLASTICS • ALL SHEET MATERIALS

MACHINE TYPES:

- CNC ROUTERS & MILLING MACHINES • ROBOTIC BEAMLINES
- HIGH DEFINITION PLASMA TABLES • METAL CUTTING LASERS

PROCESSES:

- PLASMA & LASER CUTTING • MILLING • DRILLING • TAPPING • ENGRAVING
- SAWING • 5 AXIS HIGH DEFINITION PLASMA CUTTING & BEVELING
- ROBOTIC 3D PROFILING • FIBRE LASER
- MACHINE VISION



PROUDLY SOLD & SUPPORTED BY:

trucut
— solutions

PLASMA, ROUTER & LASER
SPECIALISTS

RT Router/Mill

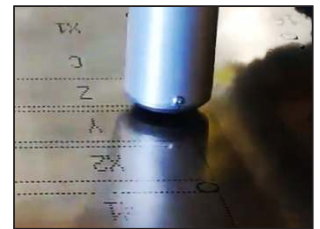
**Heavy-Duty Machining with Printing
For RV & Trailer Manufacturers
Ship & Boat Builders
Aluminum Fabricators & Wholesalers**



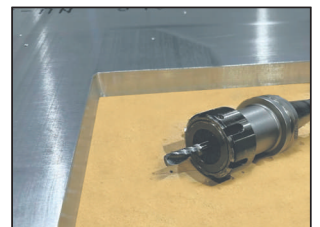
- Work area up to 21m x 4m available - Process up to 300mm thick material
- Supports Milling, Drilling, Rigid Tapping, Circular Saws, Printing
- Integrated extraction ducting means no overhead hoses
- Fully guarded gantry with polycarbonate windows
- Liquid-cooled spindles 9kW - 22kW
- 12 position rotary tool changer (ATC)
- 4 nozzle misting tool lubricator (MQL)
- Radar safety sensors for extra safety
- Laser sensor for auto material location
- Multi-function servomotor driven pressure foot
- Vacuum table or T-slot options for job hold-down
- Optional under-deck tool changer for large tooling
- Optional C axis for knives, saws, rigid tapping & aggregates
- Optional autofeed screw driver head for aluminum sheet hold-down
- Optional steered DOD Inkjet printer for part numbers, fold lines etc.
- Wireless pendant for setting origin, starting/stopping jobs etc.
- 45m/min feed rate & high acceleration for optimum efficiency



Pressure foot with 4 x Misters



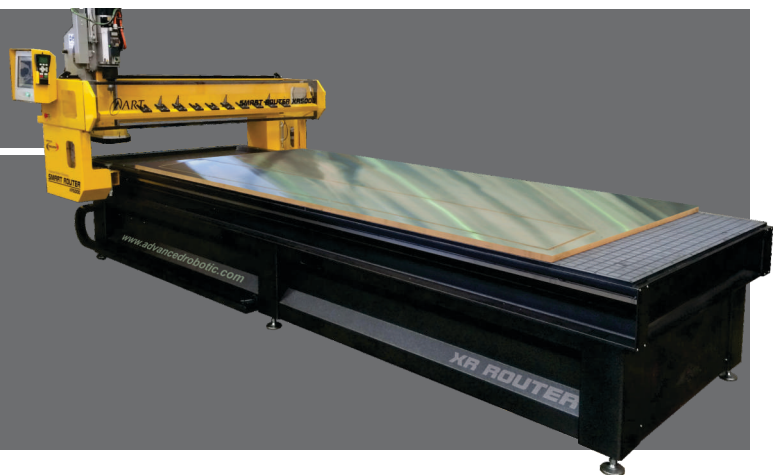
Steered Inkjet Printer for part numbers



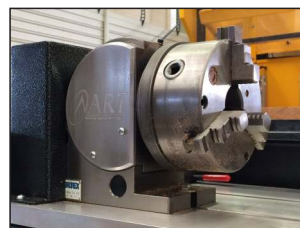
Perfect for heavy duty machining

XR Router

**Versatile Machine with ATC
For Cutting Aluminum,
Plastic, Timber, Composites,
Ductboard, Foam And More**



- Work area up to 6m x 2.8m available - Process up to 200mm thick material
- Supports Milling, Drilling, Rigid Tapping, Steered Saws & Knives
- Air-cooled 24000 rpm spindles 3.8kW - 9kW
- Fully guarded gantry with polycarbonate windows
- 10 position linear tool changer on gantry (ATC)
- 2 nozzle misting lubricator keeps cutter cool
- Compact form-factor uses less floor space
- Laser sensor for auto material location
- Vacuum table or T-slot options for job hold-down
- Automatic computer-controlled vacuum sectors
- Touchscreen rides on gantry for easy operation
- Optional Under-deck tool changer for large tooling
- Optional Rotary axis for 4 axis cylindrical machining
- Optional C axis for knives, saws, rigid tapping & aggregates
- Wireless pendant for setting origin, starting/stopping jobs etc.
- 66m/min feed rate (with optional radar sensors)



Rotary 4th Axis
for Cylindrical Cutting



2 Jet Misting Lube
for Metal Cutting



10 Position Auto
Tool Changer

HDD Plasma

High Definition Plasma with
Drilling, Tapping, & Slot Milling
Optional 5 Axis Bevel Head
Dross & Parts Retrieval Conveyors



- Work area up to 21m x 4m available - Process up to 50mm thick material
- Supports Profiling, Beveling, Marking, Drilling & Tapping Processes
- Hypertherm XPR170 & XPR300 plasma systems
- Built-in support for Hypertherm True Hole™
- Bevel Head (Optional) with True Bevel™
- Servo Driven BT50 3000rpm Spindle
- Rotary Automatic Tool Changer
- Mill slots and larger holes
- Drill holes up to 2" diameter
- Tap threads up to 1" diameter
- Active Fume Duct follows torch
- Laser Sensor for auto material location
- High acceleration for optimum hole quality
- Large 24" touchscreen controller for ease of use
- Wireless Pendant for setting origin, starting/stopping jobs etc.
- Dross/Parts Conveyors to retrieve parts and eliminate cleanup
- 45m/min feed rate (with optional radar sensors)



BT50 Spindle with Servo Clamp
for Drilling, Tapping & Slot Milling



12 Position Concealed
Auto Tool Changer



Dross/Part Conveyors

HD Plasma

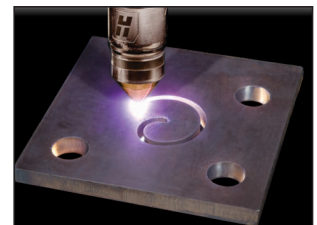
High Definition Plasma with
True Hole™ Technology
Optional 5 Axis Bevel Head
Dross & Parts Retrieval Conveyors



- Work area up to 21m x 4m available - Process up to 50mm thick material
- Dross/Parts Conveyors to retrieve parts and eliminate cleanup
- Active Fume Duct follows torch for optimum extraction
- Supports Profiling, Beveling, & Marking Processes
- Hypertherm XPR170 & XPR300 plasma systems
- Built-in support for Hypertherm True Hole™
- Automatic gas control
- Oxy-fuel Head (Optional)
- Laser Sensor for auto material location
- High acceleration for optimum hole quality
- Compact form-factor uses less floor space
- Large 24" touchscreen controller for ease of use
- Bevel Head (Optional) with True Bevel™ technology
- Wireless Pendant for setting origin, starting/stopping jobs etc.
- 45m/min feed rate (with optional radar sensors)



Dross/Part Conveyors



True Hole™ Technology



5 Axis Bevel Head (Optional)

XDD Plasma/Drill

High Definition Plasma with
Drilling & Tapping Head
Optional 5 Axis Bevel Head
Optional Dross & Parts Conveyors



- Work area up to 6m x 2.8m - Process up to 50mm thick material
- Supports Profiling, Beveling, Marking, Drilling & Tapping Processes
- High-Definition Hypertherm XPR170 & XPR300 plasma systems
- Built-in support for Hypertherm True Hole™
- Bevel Head (Optional) with True Bevel™
- Servo Driven BT30 2500rpm Spindle
- Linear Automatic Tool Changer
- Tap threads up to M6
- Drill holes up to 16mm diameter
- Misting Tool Lubricator
- Active Fume Duct follows torch
- Laser Sensor for auto material location
- Touchscreen controller travels on gantry for ease of use
- Wireless Pendant for setting origin, starting/stopping jobs etc.
- Optional Dross/Parts Conveyors (Optional) to retrieve parts & easy clean
- 66m/min feed rate (with optional radar sensors)



Dross/Part Conveyors (Optional)



ATC Drilling & Tapping Head
with Clamping Foot & Lubricator



5 Axis Bevel Head (Optional)

XD Plasma

High Definition Plasma with
True Hole™ Technology
Optional 5 Axis Bevel Head
Optional Dross & Parts Conveyors



- Work area up to 6m x 2.8m available - Process up to 2" thick material
- Dross/Parts Conveyors to retrieve parts and eliminate cleanup
- Active Fume Duct follows torch for optimum extraction
- Supports Profiling, Beveling, & Marking Processes
- Hypertherm XPR170 & XPR300 plasma systems
- Built-in support for Hypertherm True Hole™
- Automatic gas control
- 5 Axis Bevel Head (Optional)
- Laser Sensor for auto material location
- High acceleration for optimum hole quality
- Compact form-factor uses less floor space
- Touchscreen controller travels on gantry for ease of use
- Wireless Pendant for setting origin, starting/stopping jobs etc.
- Optional Dross/Parts Conveyors (Optional) to retrieve parts & easy clean
- 66m/min feed rate (with optional radar sensors)



Dross/Part Conveyors (Optional)



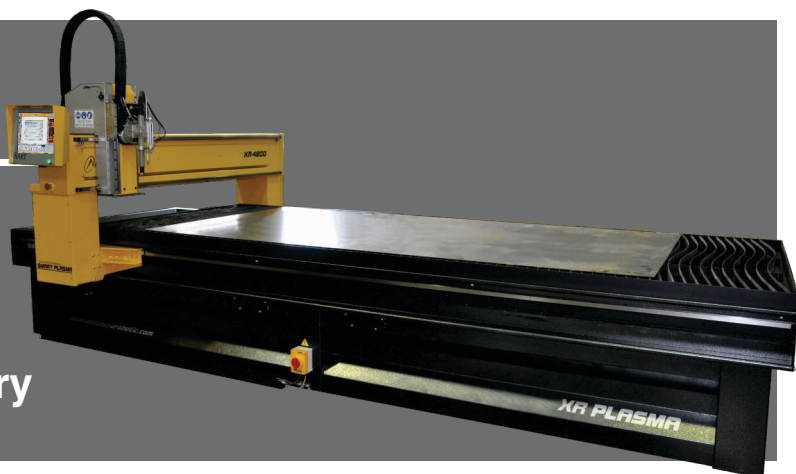
True Hole™ Technology



5 Axis Bevel Head (Optional)

XR Plasma

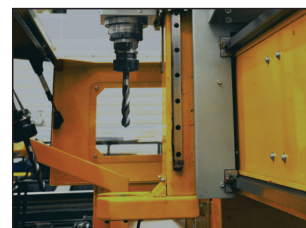
**Air Plasma with
Optional Engraving Head
General purpose cutting
for Steel Fabrication Industry**



- Work area up to 6m x 1.8m available - Process up to 25mm thick material
- EtherCAT bus system & absolute encoders on all drives
- Hypertherm Powermax 45 - 125 plasma systems
- Controller syncs with plasma for auto settings
- Upgradable to High Definition Plasma
- Laser Sensor for auto material location
- Automatic Toolpath for DXF drawings
- Auto Nesting on machine controller
- Digitizing function to trace patterns
- Fixed Extraction Ducting
- Touchscreen controller travels on gantry
- Uses same interface as larger machines
- Draw system with scraper for dross removal
- Optional Engraving Head for Part Numbers etc.
- Wireless Pendant for setting origin, starting/stopping jobs etc.
- 66m/min feed rate (with optional radar sensors)



Dross/Part Conveyors (Optional)



ATC Drilling & Tapping Head with Clamping Foot & Lubricator



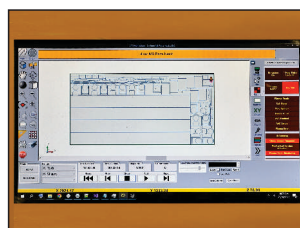
5 Axis Bevel Head (Optional)

XP Plasma

**Standard Definition Plasma with
Water Table for smoke control
General purpose cutting
for Steel Fabrication Industry**



- Work area up to 3m x 1.5m
- Plasma options from sheet metal up to 25mm thick material
- Hypertherm Powermax 45 - 125 plasma systems
- Laser Sensor for auto material location
- Automatic Toolpath for DXF drawings
- Auto Nesting on machine controller
- Digitizing function to trace patterns
- Water Bed for smoke control
- Touchscreen controller
- Controller monitors consumable life
- Syncs with plasma for auto settings
- Uses same controller as larger machines
- Servomotors on X & Y, Stepper on Z axis
- Wireless Pendant for setting origin, starting/stopping jobs etc.
- 24m/min feed rate (with optional radar sensors)



ProfileShop 4 Controller



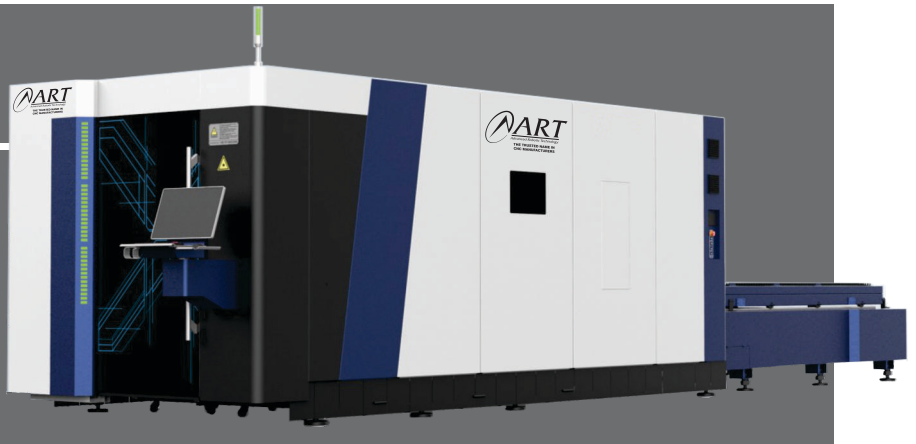
Powermax Sync Technology for auto settings



Water-bed for economical smoke control

CNC LASER

3kw ~ 40kw High Power
Sheet and Plate Cutting
Speeds up to 200m/min
and 2G Acceleration



- Work area up to 6m x 2.5m available
- Process up to 80mm thick material
- Fibre Laser Source from 3kw to 40kw
- Fully-enclosed with interlocks for safety
- Power stabilizer for reliable cutting
- Works directly from CAD drawings
- EtherCAT bus system
- Zoned Extraction Ducting
- Touchscreen controller for ease of use
- Draw system for dross and parts retrieval
- Automatic plate detection for easy job setup
- Compatible with ART ToolShop Nesting Software
- Wireless Pendant for setting origin, starting/stopping jobs etc.
- Automatic Nozzle Changer available for quick change-over
- Powerful Servomotor drives
- Exchange tables for quick material change-over



Fast Lightweight Gantry



Strong Chassis for Stability



High-precision Focussing Head

TUBE LASER

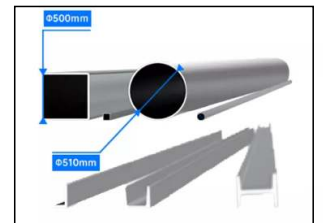
Models for tube up to 715mm dia
and 16m long/4000kg



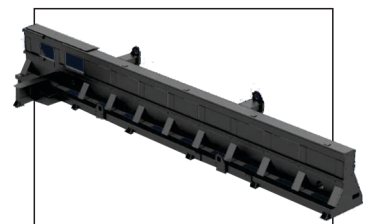
- Maximum pipe diameter 715mm (TLS Model)
- Round, Square, Rectangular, Angle & Channel profiles
- Maximum tube weight 4000kg per length
- Maximum processing length 16m
- Laser power 6kw to 20kw available
- 45 degree bevel head optional
- Independent servo driven support units
- Ethercat Bus Control System
- Touchscreen controller
- Simple & Convenient Operation
- Uses same controller as larger machines
- Servomotors on X & Y, Stepper on Z axis
- 4+1 Intelligent Digital Chucks with adaptive clamping force
- Wireless Pendant for setting origin, starting/stopping jobs etc.
- Loading & Unloading options available



Bevel Head Option Available



Cuts most steel profiles



Extra-strong chassis for stability

METALTEK XB1200

**Robotic Structural Steel
Coping Machine
For All Beam, Column,
Channel, Angle, Plate, & Pipe**



- Robot arm uses high definition plasma torch to cut
- Beam, Column, Channel, Angle, & Plate up to 1.25m wide
- Round Tubing & Pipe up to 1m diameter
- Cuts mild steel up to 75mm thickness
- Laser scanning of profile dimensions
- Excellent precision on all dimensions
- Cuts, bevels, and etches part numbers
- Excellent fume extraction included
- Reads CNC, NC1, DXF, 3D Models
- Fully automatic material handling
- Conveyors rated to 300lbs per ft
- Material in-feed up to 24m (Longer available)
- Auto nesting, costing, & tool path generation
- Simple to use touchscreen controller makes training easy
- Supports Hypertherm True Hole™ & True Bevel™ processes
- Works with BIM (Building Information Modeling) software
- Multiple safety sensors for safe working environment



Cuts all profiles with ease



360° Processing



True Hole™ Technology

What Makes ART CNC Machines Special?

At ART, we custom-build and source products that fit your specific needs, guided by our experienced engineers for the perfect solution.

Custom-Built Large-Format Heavy-Duty CNC Machines:

We manufacture and sell extremely heavy-duty machines up to 70ft long, ideal for industries like marine, RV, construction, and fabrication with oversized materials. The quality is evident in the reliability, performance and appearance of every ART machine.

Advanced Technology:

The latest CNC technology is used in the products sold by ART which provides a long service life and optimum performance. The ART ProfileShop 4 Controller is simple to learn, Industry 4.0 ready, and integrates seamlessly with your ERP software. It supports a wide range of cutting applications and offers full remote diagnostics.

Superior Performance & Support:

ART provides CNC machines that maximize productivity, reduce waste, and improve product quality. Our full support ensures optimal machine performance. You can rely 100% on ART CNC Machines and the companies that support them. We are your partners in manufacturing.

MANUFACTURED BY:



This is a brief overview of
the available models & features
For more information contact us at
sales@artcnc.com
+61 7 3393 6555

PROUDLY SOLD & SUPPORTED BY:



PLASMA, ROUTER & LASER
SPECIALISTS