BUILD SOMETHING GREAT

Since 2004, HORNET CUTTING SYSTEMS has been an industry leader in CNC cutting machines. We build our machines to last so you can build products, and a legacy, that will endure for generations. From aerospace to agriculture, steel fabrication to shipyards, our high-quality, state-of-the-art cutting machines help your business move America forward.

TOGETHER WE CAN BUILD SOMETHING GREAT.
HORNET CUTTING SYSTEMS is an industry-leading manufacturer of plasma, oxy-fuel, and waterjet CNC cutting machines. HORNET CUTTING SYSTEMS designs and manufactures machines using state-of-the-art technology to provide you with superior end products to boost your bottom line. Whether your business is a small shop, heavy-equipment manufacturer, or steel service center, HORNET CUTTING SYSTEMS has a CNC cutting machine designed to meet your needs.

PLASMA CUTTING
Plasma cutting is a rapidly-growing technology that uses a concentrated electrical arc to melt material via a high-temperature plasma stream. Plasma is capable of quickly and accurately cutting any conductive material, and is a popular, dependable choice for structural steel, stainless steel, and non-ferrous metals. If you are cutting metal greater than 1/2” (12 mm) and up to 2” (50 mm), it is faster and more productive to use plasma than laser, oxy-fuel, or waterjet.

OXY-FUEL CUTTING
Oxy-fuel, or flame cutting, mixes oxygen with acetylene, propane, or natural gas to cut the metal. It is the perfect choice for cutting thick carbon steel, and is widely used in the construction, shipbuilding, and oil & gas industries. Oxy-fuel is the most economical cutting choice in terms of initial investment and hourly operating cost, giving you a fast and affordable way to increase your productivity and profit.

WATERJET CUTTING
Waterjet cutting machines work with a highly pressurized jet of water, or a mixture of water with an abrasive, to cut a wide variety of materials with accuracy and precision. One of the biggest benefits of a waterjet cutting machine is they do not create a heat affected zone, unlike thermal cutting machines. They also produce no smoke, reduce the scrap material produced as a byproduct of cutting, and allow cuts to be placed closer together to maximize the material.

Visit hornets.com or call 1-844-209-5552 to request a quote.
**PLATE CUTTING**

**HORNET SS**
The HORNET SS cutting machine is a heavy-duty unitized system that will deliver years of unmatched performance, and is an excellent plasma cutting machine at a great price. Dependable and versatile, it’s the ideal choice for job shops, maintenance shops, ornamental iron shops, and technical schools. The HORNET SS CNC cutting machine is available with a 5 ft (1.5 m) cutting width and a 10 ft (3.0 m) cutting length.

**STANDARD FEATURES**
- Hypertherm EDGE Connect™ CNC Control with Phoenix CNC software
- Integrated SENSOR Torch Height Control Interface
- Heavy-Duty Steel Tubing Machine Frame and Gantry Beam
- Dual Linear Ways on Cross Axis (Y)
- Alloy Steel Pinion Gears
- 600 Watt (0.8 HP) AC Servo Motors and Drives Amplifiers
- Low Backlash Planetary Gear Heads
- Enclosed Flexible Cable Carriers on Both X & Y Axis
- 1,000 IPM (25 mpm) Rapid Traverse Speed
- Flexible Master Carriage System for up to (2) Tools
- Tucked Linear Ways on Rail Axis (X)
- Remote CNC Pedestal
- Plasma Systems up to 130 Amps

**HORNET LT**
The HORNET LT industrial-quality cutting machine provides superior performance at an entry-level price. Through its best-in-class motion, unitized design, and compact footprint the LT brings speed and productivity to shops of all sizes. The HORNET LT is available in widths from 4’ (1.2 m) to 6’ (1.8 m), and lengths of 4’ (1.2 m), 8’ (2.4 m), and 12’ (3.6 m).

**STANDARD FEATURES**
- Torch height control
- Robust-tube frame construction
- Aluminum Extrusion Rail and Beam Design
- Dual 12mm Hardened Bearing Shafts on Both X & Y Axis
- Spur Pinions and Gear Rack
- Stepper Motors and Planetary Gear Heads
- Enclosed Flexible Cable Carriers on Both X & Y Axis
- 750 IPM (19,050 mpm) Rapid Traverse Speed
- Remote CNC workstation with CAD/CAM drawing/nesting tools
- Powermax Plasma Supplies

**HORNET HD**
The HORNET HD CNC cutting machine is one of the most cost-effective plasma tables on the market today, helping you get more done in less time. Its compact dual-side drive design offers a rigid all-steel precision machined frame with either the independent zoned downdraft air or adjustable level water table. The gantry beam and cross axis carriage ride on precision ground liner tracks to deliver premium motion control and accuracy. The HORNET HD is available with cutting widths from 5’ (1.5 m) to 10’ (3 m), and lengths of 12’ (3.6 m), 20’ (6.1 m), and 24’ (7.3 m).

**STANDARD FEATURES**
- Hypertherm EDGE Connect™ CNC Control
- Integrated SENSOR Torch Height Control Interface
- Heavy Duty Steel Gantry Construction
- Dual Linear Ways on Cross Axis (Y)
- Hardened and Ground Helical Pinion Gears
- Precision Helical Gear Rack
- 1000 Watt (1.3 HP) AC Servo Motors and Drives Amplifiers
- Low Backlash Planetary Gear Heads
- Enclosed Flexible Cable Carriers on Both X & Y Axis
- 2,100 IPM (53 mpm) Rapid Traverse Speed
- Flexible Master Carriage System for up to (2) Tools
- Tucked Linear Ways on Rail Axis (X)
- Remote CNC Pedestal
- Plasma Systems up to 400 Amps
- Plasma Contour Bevel System : Optional

Visit hornetcs.com or call 1-844-209-5552 to request a quote.
HORNET HDX
The HORNET HDX sets the standard for acceleration, accuracy, and productivity. Its rigid machined dual beam gantry is engineered to handle the 1/4 G acceleration created by its 3,000 IPM (76.2 mpm) rapid traverse speed, and provide the stiffness necessary to handle the torsion created by the contour bevel system. The HORNET HDX is available with cutting widths from 5’ (1.5 m) to 10’ (3 m), and lengths of 12’ (3.6 m), 20’ (6.1 m), and 24’ (7.3 m).

HORNET XD
The HORNET XD CNC cutting machine combines strength and superior motion control to create a high-performance plasma and/or oxy-fuel cutting machine. Built for strength, its high-quality components make the HORNET XD the most durable and robust CNC plasma machine in its class. The HORNET XD is available with cutting widths from 5’ (1.5 m) to 10’ (3 m), and lengths of 12’ (3.6 m) to over 100’ (30.5 m).

MEGA HORNET 1000 | 2000
The MEGA HORNET line of cutting machines sets a higher standard for accuracy, power, and durability. Perfect for the most demanding cutting environments, they will provide decades of reliable service to shipyards, service centers, contract shops, and manufacturers. The MEGA HORNET 1000 is available with cutting widths from 6.6’ (2 m) to 14’ (4.2 m), and lengths from 12’ (3.6 m) to over 100’ (30.5 m). The MEGA HORNET 2000 is available with cutting widths from 8.2’ (2.5 m) to 20’ (6.1 m), and lengths from 12’ (3.6 m) to over 100’ (30.5 m).

STANDARD FEATURES
• Hypertherm EDGE Connect™ CNC Control
• Integrated SENSOR Torch Height Control Interface
• Heavy-Duty Steel Gantry Construction
• Spur Pinion Gears and Gear Rack
• 1,200 Watt (1.6 HP) AC Servo Motors and Drives Amplifiers
• Low Backlash Planetary Gear Heads
• Enclosed Flexible Cable Carriers on Both X & Y Axis
• 1,200 IPM (30 mpm) Rapid Traverse Speed
• Flexible Master Carriage System for up to (1) Tool
• Tongue and Groove Rails Supported by Structural "I" Beams
• Machine Mounted or Remote CNC Pedestal
• Plasma Systems up to 400 Amps
• Plasma Contour Bevel System : Optional

Visit hornetcs.com or call 1-844-209-5552 to request a quote.
WATERJET CUTTING

AQUA HORNET LT

The AQUA HORNET LT cutting machine offers the versatility and precision that manufacturers and fabricators require. Featuring cutting-edge waterjet technology, engineered for durability and precision, and innovative technology to keep the machine up and running longer. The AQUA HORNET LT is available in three compact sizes (4 ft x 4 ft, 4 ft x 8 ft, 5 ft x 10 ft) that provide flexibility in space, application, and budget.

STANDARD FEATURES
• Hypertherm EDGE Connect™ CNC Control
• Dual Linear Ways on Cross Axis (Y)
• Hardened and Ground Helical Pinion Gears
• Precision Helical Gear Rack
• 600 Watt (0.8 HP) AC Servo Motors and Drives Amplifiers
• Low Backlash Planetary Gear Heads
• Enclosed Flexible Cable Carriers on X Axis
• Tucked Linear Ways on Rail Axis (X)
• 1,200 IPM (30 mpm) Rapid Traverse Speed
• Fully-Enclosed Bellows
• Remote CNC Pedestal
• 15 HP (11 kW) to 150 HP (110 kW) Power Intensifiers

AQUA HORNET 1000

The AQUA HORNET 1000 waterjet cutting system provides state-of-the-art motion control and cutting-edge technology to meet all your waterjet cutting needs. Its modular design allows for the widest range of configurations in the industry. The machine frame and gantry beam are fabricated from heavy-wall steel tubing that is stress-relieved and precision machined to handle even the most rigorous applications. The AQUA HORNET 1000 is available in cutting widths from 5’ (1.5 m) to 13.1’ (4 m) and in lengths from 5’ (1.5 m) to 20’ (6 m).

STANDARD FEATURES
• Hypertherm EDGE Connect™ CNC Control
• Dual Linear Ways on Cross Axis (Y)
• Hardened and Ground Helical Pinion Gears
• Precision Helical Gear Rack
• 600 Watt (0.8 HP) AC Servo Motors and Drives Amplifiers
• Low Backlash Planetary Gear Heads
• Enclosed Flexible Cable Carriers on X Axis
• Tucked Linear Ways on Rail Axis (X)
• 1,200 IPM (30 mpm) Rapid Traverse Speed
• Fully-Enclosed Bellows
• Remote CNC Pedestal
• 15 HP (11 kW) to 150 HP (110 kW) Power Intensifiers

PIPE CUTTING

ROTO HORNET 1000  |  2000

The HORNET ROTO SERIES line of CNC pipe cutting machines sets the standards for productivity and accuracy. Perfect for a wide variety of industries, the ROTO SERIES features our innovative pipe handling systems, Rotary Tube Pro software, and Hypertherm’s plasma cutting technology, to create the industry’s best CNC plasma pipe cutting machine. The ROTO HORNET 1000 cuts pipe from 1″ (25 mm) to 14″ (355 mm) in diameter and from 10’ (3 m) to over 40’ (12 m) in length. The ROTO HORNET 2000 can cut pipe from between 2″ (50 mm) and 24″ (610 mm) in diameter, and from 10’ (3 m) to over 40’ (12 m) in length.

STANDARD FEATURES
• Hypertherm EDGE Connect CNC Control
• Integrated SENSOR torch height control interface
• Innovative pipe handling system
• Cuts pipe from 1″ (25mm) to 14″ (355mm) in diameter
• 2″ (51mm) to 24″ (609mm) in diameter
• Low backlash planetary gear heads
• Enclosed flexible cable carriers on X Axis
• 1,200 IPM (30 mpm) Rapid travers speed
• Single tool master carriage system
• Remote CNC pedestal
• Manual bevel attachment for pipe ends | Manual or Contour Bevel System
• Plasma systems up to 400 amps.

Visit hornetcs.com or call 1-844-209-5552 to request a quote.
CUTTING TABLES

AEROCLEAN AIR CUTTING TABLE

The AEROCLEAN is HORNET CUTTING SYSTEMS’ Zoned Down Draft Air Cutting Table. Down Draft Air Cutting Tables are an increasingly common method of capturing emissions generated by the thermal cutting process. AEROCLEAN is partitioned into zones to improve the efficiency of the exhaust system. A steel damper door in each zone is opened or closed depending on whether cutting is occurring in that zone. The emission-laden air is then directed into a properly sized dust collection system.

HYDROCLEAN WATER CUTTING TABLE

The HYDROCLEAN is HORNET CUTTING SYSTEMS’ Water Cutting Table. Water Cutting Tables reduce the amount of emissions produced by the thermal cutting process. The HydroClean is fabricated with heavy steel construction and contains a steel internal air bladder. The HydroClean has removable slat sections with individual slats and removable slag buckets.

MATERIAL HANDLING RACKS

Material Handling Solutions from HORNET CUTTING SYSTEMS increases your productivity by keeping your pipes, tubes, plates, and remnants organized, safe, and easily accessible – improving your process and streamlining your workflow.

CONSUMABLES

HORNET CUTTING SYSTEMS carries a full line of consumables for plasma, oxy-fuel, and waterjet cutting. We offer Hypertherm consumables for plasma and waterjet cutting, Victor consumables for oxy-fuel cutting, and Kaliburn consumables for plasma cutting. Should you need assistance selecting the optimal product for your needs, our customer service staff would be happy to assist you.

CUTTING ACCESSORIES

CONTOUR BEVEL SYSTEM

The HORNET CUTTING SYSTEMS Contour Bevel System (CBS), with our unique Dual-Tilt design, produces bevels 360° around parts at up to +/- 52°.

LASER POINTER

Red cross-hair lines are illuminated on the material when the torch tip is at least 3" (76.2 mm) above the cutting surface to assist with proper plate alignment.

OXY-FUEL LIFTER

Our OFL-250 oxy-fuel lifter driven by an AC motor has a vertical lift speed of 30ipm (762mm/min) and 10" (250mm) of stroke.

ALIGNMENT CAMERA

The alignment camera can be used to easily select points for alignment purposes or to provide a view of the cutting process without leaving the operator station.

HI-LOW PREHEAT

With the hi-low preheat assembly, all process variables are controlled and set digitally via on-screen cut charts in the Phoenix software.

NESTING SOFTWARE

HORNET CUTTING SYSTEMS offers a full line of Hypertherm® CAD/CAM to improve efficiency and minimize material waste.

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HORNET CUTTING SYSTEMS is an industry-leading manufacturer of plasma, oxy-fuel, and waterjet CNC cutting machines. We design and manufacture products using state-of-the-art technology to provide our customers with a superior end product. Whether your business is a small shop, heavy-equipment manufacturer, or steel service center, our dependable, durable machines will help you maximize productivity and boost your bottom line.

HORNET CUTTING SYSTEMS cutting machines are configured with the Hypertherm full suite of products and can be used for a wide array of applications including plate cutting, pipe cutting, and contour beveling. The HORNET CUTTING SYSTEMS line of AEROCLEAN and HYDROCLEAN cutting tables keep your shop clean and productive, even in the most demanding cutting environments.

HORNET CUTTING SYSTEMS waterjet cutting machines are configured with Hypertherm Waterjet intensifier pumps and KMT waterjet pumps to provide superb quality and flexibility. Proudly American owned and operated, we manufacture all our products at our 57,000 square foot facility in Valley Center, Kansas. We offer regular training courses and demonstrations at our adjacent training center to keep our customers up to date with the latest in cutting technology.

Please enjoy browsing our catalog, and when you are ready, give us a call. We will listen carefully to your cutting requirements and help you select a CNC cutting machine to improve your productivity and performance. Let our high-quality machines and superior customer service help you create a better product.

BUILD SOMETHING GREAT.

Visit HornetCS.com or call 1-844-209-5552 to request a quote

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