

CROSSBOW

Economical, Flexible CNC Cutting Machine

Automated functions and a fully-integrated, user-friendly control panel make the Crossbow a versatile automated Oxy-Fuel and/or Plasma cutting unit.

A precision guide rail ensures stable motion of the crossbeam and full support of the cutting torch for accurate, reliable performance.

THE CNC PROVIDES:

- Built-in library of common shapes
- USB port for program loading
- Quick set up pattern nesting
- Kerf compensation
- Drive-enabled switch



Compact and Economical Oxy-Fuel / Plasma CNC Cutting System.

SUITABLE FOR PLASMA OR OXY-FUEL:

- Plasma cut mild steel up to 20mm, stainless steel or aluminium up to 15mm
- Oxy-Fuel cut - mild steel up to 100mm
- Fully integrated CNC, eliminating the need for the user to add a controller to the system

SPECIFICATIONS

Effective Cutting Width	1550mm
Effective Cutting Length	3100mm
Maximum Travel Speed	3000mm/min
Overall Cross Bar Length	2362mm
Overall Track Length	4000mm
Overall Dimensions (CNC Drive Unit)	600 x 460 x 420mm
Total Weight	95.9kg
Input Voltage	240 VAC, 50/60Hz, 10Amp Plug

FEATURES & BENEFITS

BUILT IN CNC

Does not require the set-up of a computer to be used as a controller.

PLASMA AND/OR OXY-FUEL (ACET or LPG) CAPABILITY

Can be used to cut a wide variety of metals and thicknesses.

MOTORISED TORCH LIFTER

Eliminates the need to manually crank the torch up and down, and can be done remotely from the operator station, not the torch.

DRIVE DISENGAGE SWITCH

By activating one switch, the torch can be manually manoeuvred to a different position.

ARC VOLTAGE HEIGHT CONTROL WITH OHMIC TOUCH

Automated plasma operation with accurate, consistent cutting results.

USB PORT

Easily move part programs or nests from an off-line computer into the Crossbow's CNC.

BUILT-IN SHAPE LIBRARY

Quickly create common parts right at the machine without programming.

EASY SETUP / INSTALLATION

Machine can be removed from packaging and ready to run in approximately one hour.

LINEAR RAILS

Provides smooth motion and captures the CNC/Drive unit on the rails, preventing any errant movement.

CUTTING OXYGEN SOLENOID VALVE

Automates the Oxy-Fuel cutting process by allowing the part program codes to turn cutting oxygen on and off at the appropriate times.

QUICK CONNECT PLASMA INTERFACE

Quickly and easily attach the plasma system through one cable with pre-wired connectors. No need to open the plasma power source to wire in anything.

HEAT SHIELD

Protects the CNC/Drive unit from pierce spatter and heat from the cutting process.

ORDERING INFORMATION

Crossbow Unit* A560954394

Uses the following CIGWELD 3 Seat Cutting Nozzles:

Size 0 (5-10mm)	306115	306097
Size 1 (10-15mm)	306116	306098
Size 2 (15-30mm)	306117	306099
Size 3 (30-40mm)	306118	306100
Size 4 (40-50mm)	306119	306101
Size 5 (50-100mm)	306120	306102

*Crossbow unit comes complete with gas torch assembly and a size 0, 1 and 2 Acetylene Cutting Nozzle.



Maximum Plasma Cutting Thickness of up to 20mm.



Maximum Oxy-Fuel Cutting Thickness of up to 100mm.



SIMPLE, EASY TO USE CNC CONTROL PANEL

Operators can easily learn to navigate the machine in a few minutes.

RECOMMENDED PACKAGE



P/N: A560954394

Thermal Dynamics
Cutmaster
A120 Plasma
P/N: 1-1734-4

A complete range of Automated Plasma systems are available.