

ARC 1 CNC

ROUTER

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Product Overview

Each system includes everything you need to begin. A computer and software configured and tested to operate your new CNC machine. An equipment stand that allows for safe operation and control of your process, and a set of easy to follow instructions.



Performance Specs

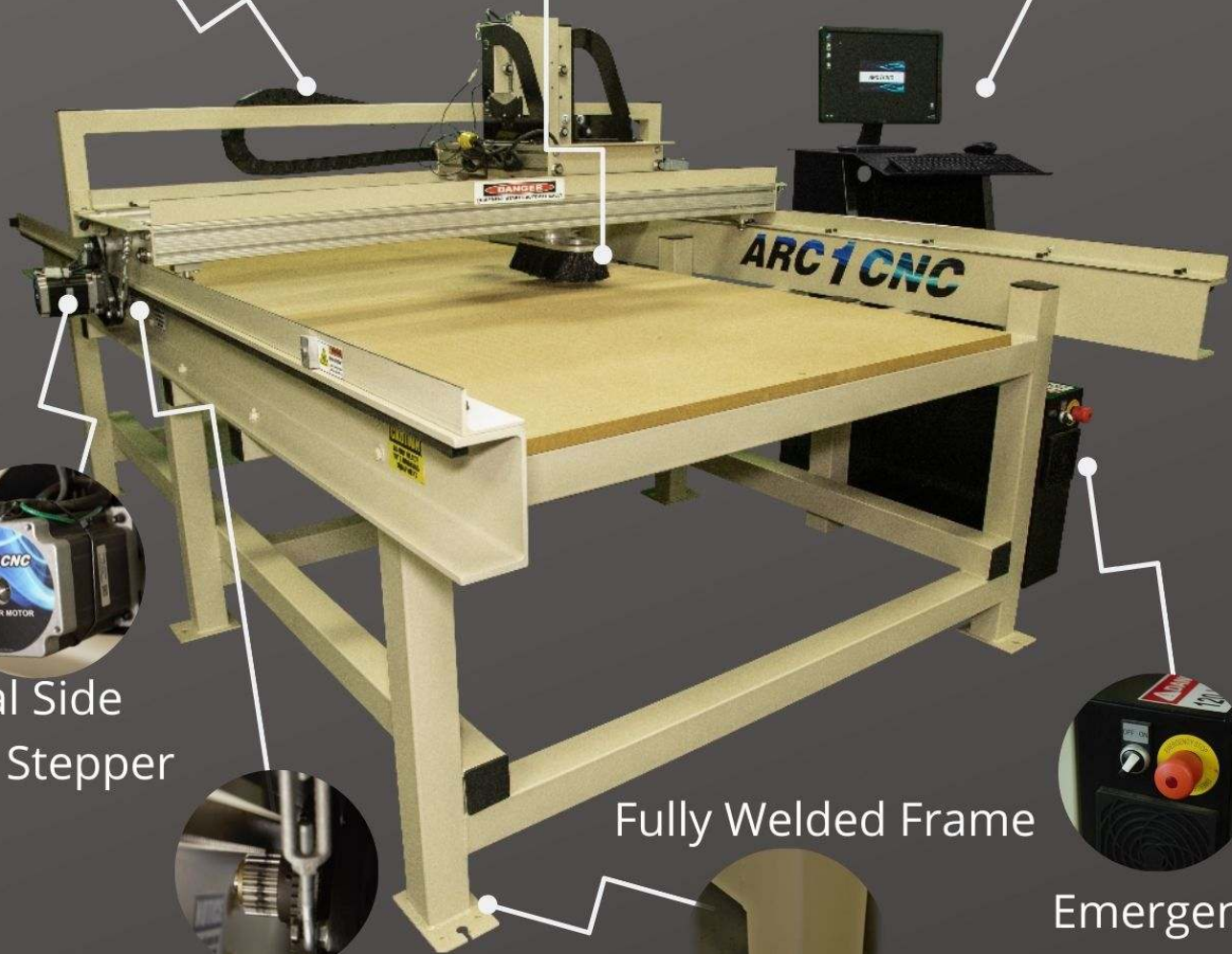
Position Speeds (X,Y,Z):	750,750,200 IPM
Step Resolution:	.0005
Positioning Accuracy:	.002
Cutting Accuracy:	(+/-) .005
Axis Drive (X,Y)	Rack and Pinion
Axis Drive (Z)	Rack and Pinion

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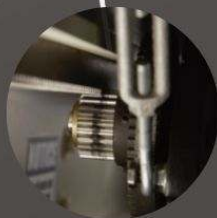
Computer & Stand

E-Chain

Z-Setter Plate

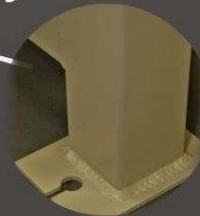


Dual Side Drive Stepper



Rack and Pinion

Fully Welded Frame



Emergency E-Stop

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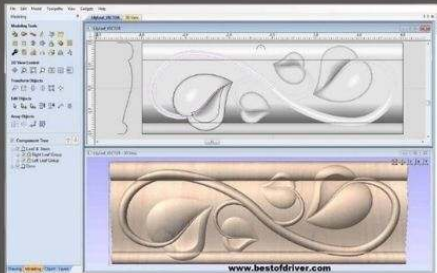
Features of our Machine

Every Machine Includes:

- Fully Welded Frame No Assembly Needed
- Machine Ground Rails with V-Groove Bearings
- 3.25 HP Router
- Accuracy $\pm .002$ " Repeatability $\pm .005$



Software



VCarve Pro Provides a powerful but intuitive software solution for creating and cutting parts on your Arc1CNC Router. VCarve Pro gives you the power to produce complex 2D patterns with profile, pocket, drill and inlay toolpaths.

Hardware

- Our system comes with a Dell desktop Computer and stand for safe storage and operation of your plasma cutting process.
- Computer Monitor, USB Keyboard and Optical Mouse included.



Controller and Monitor (Included)

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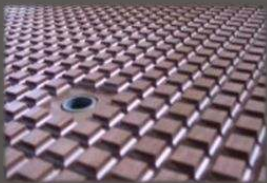
Machine Options Available add..

HSD Spindle

This 3.0KW (4.02HP) Spindle from HSD is a work horse. It is perfect for small to mid sized CNC Routers that want to upgrade to a Spindle from a Router. HSD is the standard in Electro-spindles worldwide and is used on more recognized CNC brands than any other Spindle.



Vacuum Bed & Pump



Say goodbye to material movement! The vacuum hold down system can be customized to your applications without loss of precision or productivity. We have many pump sizes available, allowing us to match the vacuum pressure to your materials and applications very simply. All our vacuum hold down systems will be setup with independent zoning to convert all suction only in the area you need it.

Training your Facility

Training at your facility is available but requires travel and additional cost. Get hands on training in your environment.