

CAMaster Options and Pricing for the Stinger Line of CNC Routers

Recoil Indexing Lathe

The Indexing Lathe is mounted on the side of the machine, so it does not interfere with the tabletop when it is not in use. It comes with a head stock, tail stock, rails, and motor/drive system. Also includes a 4 Jaw Lathe Chuck System. The tail stock is a removable, live center point. The Stinger 4'x4' head stock comes with a $\frac{3}{4}$ " x 16 TPI threaded shaft. The Stinger 4'x8' head stock comes with a 1" x 8 TPI threaded shaft. The Stinger's spindle/router moves bi-directionally along the length of the material and does the carving. *Indexing* means that the work material can be rotated 360 degrees.

Stinger 4'x4' For carving stock up to 10" diameter and 48" in length
Stinger 4'x8' For carving stock up to 12" diameter and 96" in length

Recoil Indexing Lathe Ready

The option allows you to add a Recoil Indexing Lathe in the future. Machine comes with a 4th axis controller and drive installed and enabled in the software. The Motor wires to recoil are also installed making it ready for future "plug in" of a recoil head.

Counter-Balance

The Counter-Balance is an air cylinder mounted to the router/spindle assembly designed to "assist" the router/spindle in returning to the "up" position thus taking some of the load off of the Z axis drive motor. It requires compressed air to operate and uses a standard 1/4" NPT air fitting. It comes with an air regulator preset to the correct resistance.

Fast Tool Change (FTC)

If your work requires frequent tool changes, the FTC option is a safety feature as well as a fast way to make tool changes within a program. It comes with a "micro touch plate" mounted to the side of the table that measures the length of the new cutting tool and gives that information to the operating software making tool changes a "touch and go" operation.

Laser Cross Hair

The laser pointer is a great way to quickly set the starting position of the spindle's both the X and Y axis, similar to the way the laser cut line works on miter saws. The high strength red diode places a "cross hair" on the material allowing a user to set an X-Y zero where the cutting tool will start machining. Since the dust boot covers the cutting tool the laser light is the perfect solution for placing the work piece right where it needs to be on the table.

Stinger Performance Packages: A great deal!

Performance Package – Basic

This package includes the ***Fast Tool Change and Laser Cross Hair*** options offering you a savings of \$95 over the \$990 it would cost to buy these options individually.

Performance Package – Plus

This package includes ***Fast Tool Change, Laser Cross Hair and a Counter-Balance***. This package offers you a savings of \$190 over the \$1,285 it would cost to buy these options individually.

Phenolic Tabletop

The Phenolic Tabletop option upgrades you from the standard MDF Top. A Phenolic Top is utilized just as the MDF, but with these added advantages:

- a) Phenolic is a non-porous substrate that is a great option if you plan to cut nonferrous metals with your CNC Router as it will not absorb moisture from the lubricant used while cutting. An MDF Top will absorb the moisture and swell up, distorting the accuracy of the machine.
- b) With the Phenolic being non-porous, it is great for vacuum tables. On standard tables the MDF can bleed air, losing valuable vacuum or CFM.

T-Slot Clamping Table

Five Aluminum T-Slot tracks are recessed into the supplied tabletop. Four clamps are included and may be slotted into the appropriate tracks to accommodate work pieces of different sizes. Extras clamps are available in sets of 2.

Vacuum Tabletop

A vacuum tabletop, routed into the standard MDF or Phenolic Top will hold your work pieces in place by the air pressure exerted by a vacuum pump. A vacuum pump eliminates the need for clamping your work piece to the tabletop and can be a time-saver if your work requires a constant parade of work piece changes throughout the day. CAMaster will rout out a vacuum plenum with the appropriate number of standard zones for each Stinger model and will install all plumbing, connections, and valves for the operation of the zoned table. CAMaster can provide you with a vacuum pump; prices vary depending on pump size.

The Hurricane and Cyclone Vacuum Systems

The Hurricane and Cyclone Vacuum Systems operate on Single Phase 220-230V Power. This is ideal for small shops as it saves them from expensive phase converters or power drops. The Hurricane Vacuum System creates 400 CFM as well as 9.5 In Hg. The Cyclone Vacuum System creates 300 CFM as well as 9.5 In Hg. **If purchased with your machine, an MDF Vacuum Tabletop comes with the vacuum system. A Phenolic Vacuum Tabletop can be added.**

Spindle Upgrade Options

a) 1.0 KW (1.34 HP) HSD Collet Spindle

This is an HSD air cooled electro-spindle made in Italy. It utilizes the ER20 collet and includes collet sizes (one each) 1/4", 3/8", and 1/2". This option comes with Spindle Speed Control which gives user precise control of Spindle RPM through the Acorn control system. This option also comes standard with Spindle On/Off, controlled via G-Code.

b) 1.7 KW (2.28 HP) HSD Collet Spindle

This is an HSD air cooled electro-spindle made in Italy. It utilizes the ER25 collet and includes collet sizes (one each) 1/4", 3/8", and 1/2". This option comes with Spindle Speed Control which gives user precise control of Spindle RPM through the Acorn control system. This option also comes standard with Spindle On/Off, controlled via G-Code.

c) 3.0 KW (4.02 HP) HSD Collet Spindle

This is an HSD air cooled electro-spindle made in Italy. Utilizes the ER25 collet and includes collet sizes (one each) 1/4", 3/8", and 1/2". This spindle comes standard with Spindle Speed Control for precise control of Spindle RPM through the Acorn control system. This option also comes standard with Spindle On/Off, controlled via G-Code.

Servo Upgrade

The drive system of the machine is upgraded from stepper drives to a Teknic Clearpath brushless servo drive and motor system.

7W Laser Engraver

A high-powered laser that is fully integrated to the CNC machine. The laser is capable of both vector engraving often referred to as "scoring" and raster engraving. The laser will engrave multiple types of materials including wood, plastics, foam, paper, cardboard, rubber, leather, ceramic, anodized aluminum, PVC, vinyl, acrylics and more. The laser will raster both color and greyscale images.

14W Laser Engraver

A high-powered laser that has double the power of the 7W laser enabling you to engrave faster and cut more materials. Comes with an air assist kit.

Mister System

The Mister System provides a cost-effective solution for cutting nonferrous metals. When used in non-ferrous cutting applications, the Mister System dispenses small amounts of Micro-Drop synthetic or vegetable-based lubricant to cool and lubricate the cutting tool. A phenolic top is recommended as it will not absorb moisture from the lubricant used while cutting.

Maintenance Kit

The Maintenance Kit contains almost everything you need to tune-up your machine in one convenient package. The Kit includes a Grease Gun, Needle Adaptor, Two Tubes of Grease and Maintenance Instructions.

Remote Handheld Keypad

Centroid Remote wireless keypad with jog wheel. Allows the user to control the CNC wirelessly via the pendant. Cycle Start/Stop, ability to zero x,y and z axis, programmable macros, feed rate override and long range wireless control make this the ultimate in convenience.

10 Piece Starter Bit Set

A range of 10 bits to get you started carving in several substrates: wood, acrylic, and non-ferrous metals. These bits are manufactured by Amana Tool.

1/2" 90° 2-FluteV-Bit (1/2" shank)

1/4" Ball nose Upcut SPEKTRA

1/4" 2-Flute Spiral Down cut 7/8" CL SPEKTRA

1/8" DOWNCUT 3FL SPIRAL SPEKTRA

3/8" Compression SPEKTRA

1/4" O-Flute 3/4" CL SPEKTRA

1/2" 60° 2-FluteV-Bit (1/2" shank)

3/8" Ball nose Upcut SPEKTRA

1/4" 2-Flute Spiral Upcut 7/8" CL SPEKTRA

1 1/2" Surfacing Bit for Spoil board

Training Options

CAMaster personnel can assist you with training in the use of software and/or machine operation, depending on your needs. Training can be at customer's location, at CAMaster location in Cartersville, GA or online

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