

Options for the CAMaster Stinger CNC Router

Recoil Indexing Lathe

The Indexing Lathe is mounted on the side of the machine so it does not interfere with the table top 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 head stock comes with a ¾" x 16 TPI threaded shaft. The machine's spindle moves bi-directionally along the length of the material and does the carving. *Indexing* means that the work material can be rotated 360 degrees. Can be used for carving stock up to 6" diameter and 48" 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 \$395 over the \$1,290 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 \$490 over the \$1,585 it would cost to buy these options individually.

Phenolic Table Top

The Phenolic Table Top 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

Aluminum T-Slot tracks are recessed into the tabletop. Clamps are included that are inserted into the T-tracks to accommodate hold down of work pieces of different sizes.

Vacuum Table Top

A vacuum table top, 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 table top 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.

Vacuum Systems

Vacuum Systems that operates on Single Phase 220-230V Power. This is ideal for small shops as it saves them from expensive phase converters or power drops. If purchased with your machine, an MDF Vacuum Table Top comes with the machine. A Phenolic Table Top 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

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

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

7W Laser Engraver

A 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 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

The Remote Handheld Keypad is a great way to operate your CNC Control PC without having to use a cumbersome keyboard. The keypad connects to your PC via a 15' USB cable. The keypad is made to withstand dusty conditions and high temperatures. The keypad comes with 20 pre-programmed buttons. No driver or additional software is needed making it a true plug and play system.

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" Ballnose Upcut SPEKTRA

1/4" 2-Flute Spiral Downcut 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" Ballnose Upcut SPEKTRA

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

1 1/2" Surfacing Bit for Spoilboard

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 done at CAMaster's location, at Customer's facility or Online.

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