

# Options and Pricing for the CAMaster Panther 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 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. For the Panther 4x4, the head stock comes with a ¾" x 16 TPI threaded shaft. For the Panther 4x8 and 5x10, the head stock comes with a 1" x 8 TPI threaded shaft. The Panther'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.

<b>Panther 4x4</b>	For carving stock up to 10" diameter and 48" in length
<b>Panther 4x8</b>	For carving stock up to 12" diameter and 96" in length
<b>Panther 5x10</b>	For carving stock up to 12" diameter and 120" 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.

## 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.

## Klein Vacuum System

The Klein Vacuum Systems is an Industrial Regenerative Vacuum system that operates on Single Phase 208-230V Power. This is ideal for small shops that don't have 3 phase power but need an industrial vacuum system. The Klein creates 360 CFM as well as 10 In Hg. It can also run on Three Phase 208 -230V power.

## The Hurricane Vacuum System

The Hurricane Vacuum Systems operates on Single Phase 220-230V Power. The Hurricane Vacuum System creates 350 CFM as well as 9.5 In Hg.

## 5 HP HSD Automatic Tool Change (ATC) Spindle

5 HP HSD ER-32 ATC Spindle. 0 – 24,000 rpm. Comes with 8 Tool Holders, 8 Tool Forks and 8 Collets.

## **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.

## **CutVision Visual Registration System**

The CAMaster CutVision is a digital visual registration system that is used in print-to-cut applications. It utilizes both software and a digital camera to find and recognize printed registration marks and automatically adjust the machine's cutting path as necessary to achieve exact cutting alignment with the printed shapes. CutVision is fully integrated on the machine and allows virtually any printed material to be accurately and precisely cut on the CNC.

## **Tangential Knife with Quick Change**

A non-oscillating tangential knife is ideal for higher cutting pressures and where longer blades may be required. The Quick Change feature lets you manually change your tool with a simple push of a button. Comes standard with an air permeable cutting mat that is placed on the tabletop of your CNC machine when using the knife.

## **Automatic Tangential Knife Changer (ATC Knife)**

A 5-position tangential knife tool changer. You can automatically change up to 5 knife tools including creasing wheels, angled knife cartridges, pizza wheel cartridges, kiss cutter cartridge. Works like an automatic tool change spindle.

## **Oscillating Tangential Knife**

An Oscillating tangential knife is designed to provide high accuracy cutting of a wide range of soft and semi rigid materials including but not limited to Graphic Foam boards, Closed Cell Foam, Plastic-covered Foam, Corrugated Cardboard and Plastic, Gasket Materials, Rubber, Cork, Carpet, Felt and other Single-ply Cloth or Fabric, Vinyl and more. Electrical Blade oscillation and tangential control ensures that the cutting blade delivers accurate cuts even on thicker materials without excessive overcut. The Oscillating knife is available with a wide range of blade lengths to suit a wide variety of materials. Comes standard with an air permeable cutting mat that is placed on the tabletop of your CNC machine when using the knife. Air permeability allows the mat to be used while using a vacuum system.

## **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 Bluetooth.

## **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 the customer's location or online.

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**Thank you for your interest in the Panther line of CNC Routers.**

**CAMaster, Inc.**

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