

# Why Buy a CAMaster Stinger CNC Router?

## Technology

- **Engineering.** When it comes to engineering our machines, we are guided by one principal – make each CAMaster Router the most Industrial and Rigid machine in its class. It is for this reason that you will find design features in CAMaster CNC Routers that are very similar to what you will find in machines retailing for \$80,000 and above.

CAMaster Stinger Routers are built with a solid base steel welded frame. Our Stinger I gantry and side supports are built with aircraft grade aluminum.

Our Stinger II and Stinger III machines are built with a steel gantry and steel side supports. All of our 5' and longer machines have an attached weldment that is milled and drilled to ensure that the linear rails are coplanar and parallel.

CAMaster Stinger Routers come standard with Anti-Backlash self-adjusting transmissions (on X & Y axes). This feature, coupled with timing gear reduction, allows CAMaster to provide all the advantages of rack and pinion propulsion without any of the screw whip that is common while using a ballscrew on longer axes.

Our Stinger II and Stinger III machines come with planetary gearboxes.

Stinger II and Stinger III Routers come with Dual-Drive on the Y axis. This enables the machine to "square" itself each time it initializes. Dual-Drive costs us more, but it will not twist under load the way a single center-mounted ballscrew or cantilevered design does.

The Stinger I Router comes standard with digital stepper drives. Digital drives provide much greater holding torque, smoother operation and less heat.

Stinger II and Stinger III Routers come standard with Brushless Servo Motors. Servos provide more power, higher speeds and more accurate positioning.

- **Functional 4th (Rotary) Axis.** Our fully installed, "Recoil Indexing Lathe's" are functional "right out of the box". Standard motors on 8' and longer machines are 1200 ozin. Coupled with gear reduction, they provide over 3000 ozin of torque. Enough to turn a blank that is 12" diameter that is close to 8' long.

## Quality

- **Built in America.** Each CAMaster Router is proudly engineered and built at our facility in Cartersville, Georgia.
- **WinCNC Control Software.** We use WinCNC exclusively as our control software for our Stinger machines. It is nowhere near the least expensive option, but by far the most dependable.

- **Industrial Quality Components.** Quality components are a top priority for CAMaster. We use top of the line industrial components from the top companies in the industry. Our choice of components is driven by quality and not cost. We simply don't cut corners when it comes to the components we put in our machines.
- **In-House Manufactured Structural Parts.** The gantry, uprights and gear systems are manufactured at our facility. Each is precision milled to ensure there are no tolerance issues or accuracy problems.
- **In-House Built Controls.** Our electrical control panels are also built and assembled in-house at our facility in Georgia. This is done in order to maintain the utmost quality. This also dramatically increases our ability to detect errors during tech support.
- **Fully Assembled Machines.** All CAMaster machines are fully assembled, calibrated and tested at our facility before they ship and are ready to run "right out of the box". All CAMaster factory settings are installed and tested in the control computer which is included with the machine.

## Support

- **Customer Support.** CAMaster has been recognized for offering one of the best 'support after the sale' programs in the industry. We have tech support technicians solely dedicated to helping customers. Our support technicians have built and ran CAMaster Routers. Our 'Remote Technician Support' enables our support technicians to login to any machine that has an internet connection to diagnose a problem, implement steps to solve the problem, and verify an implemented solution. We encourage you to do your research and we are confident that will struggle to find an unhappy customer
- **CAMaster Forum.** Our forum: <http://www.camheads.org>, commonly referred to as "CAMheads", is regarded as one of the best customer support forums in our industry. It is here where new and experienced users learn and teach about CNC technology. You will find a strong user base of CAMaster owners, who pride themselves with helping fellow, and especially new users learn the ropes and master the use of their CAMaster Router. This is a hard working group that has made a conscious decision to buy a product that is simply not the least expensive option but one that is considered to be the best in its class. This is evident in the posts on the forum. Give it a try, post a question and witness the educated response you receive from multiple sources.
- **We Stock Every Part.** We have every part that you may need in stock at our facility. If your machine has an issue, we are dedicated to not only fixing the issue as quickly as possible but also making that moment our proudest moment.

Here is a sample of a few companies that could have bought any brand but chose a CAMaster CNC Router:

***Fender Guitars, Bose, General Motors, General Electric, Google, Yeti, NASA, U.S. Navy, U.S. Air force, US Marine Corp, MIT, Princeton, Georgia Tech, Disney, Intrepid Museum, FastSigns, Kimberly-Clark, Shaw Industries, Anheuser-Busch, and many more.*** Simply put, when it comes to our class of machines, CAMaster is a proven and trusted name.