

STINGER I PREP GUIDE

Getting Ready for Your CAMaster



CAMaster

High-Performance CNC Machinery

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Looking Ahead . . . Prepping for Your Machine

Thank you again for choosing CAMaster. We value your trust in our Company and look forward to building and delivering your Stinger I. In the interim, we hope you'll find the following information helpful as you prepare for the arrival of your machine.

Shipping and Receiving

You will receive an email from CAMaster when your machine is completed. The email will contain instructions for processing your remaining balance and ask you to provide/confirm ship-to location (if applicable). Once these requirements are satisfied, we will prep your machine for shipment or pick-up (as specified in your quotation) and provide a shipment or pick-up date. If shipped, we will email you a bill of lading with carrier and tracking information once processed. Also, if shipped, **please note that the freight carrier is not responsible for unloading your machine.**

Basic Shop Preparation

Machine Space and Location

- Please see **Page 6 and 7** for footprint and crate size information for your machine.
- If you haven't already done so, please consider doorway/entry clearances between your dock, shop and installation location.
- When determining final machine placement, CAMaster recommends a minimum of 36" clearance around the machine perimeter. Also, please consider space for material loading/unloading along with material staging.
- Other items to consider when selecting your installation location and layout include:
 - Electrical connections for machine as well as options/accessories/supporting equipment
 - Control PC/monitor/keyboard location (to be located no farther than 10' from Control Box end of your machine)
 - Dust/chip collector location and related ductwork
 - Vacuum pump location (if applicable)
 - Compressor location (if applicable)
 - Misc. cabinetry/storage for tooling, wrenches, clamping/work holding tools/fixtures, etc. (if applicable)

Electrical Requirements

- CNC System: Please see **Page 8**
- Accessories/Options (if) purchased from CAMaster
 - Vacuum Pump: Please see **Page 8**
- Other Accessories
 - Air Compressor (required for air-assist option)
 - Dust/Chip Collection (if applicable)

CAMaster STINGER DESKTOP

Dust/Chip Collection

- Dust boot connections – The Stinger line comes standard with a 4” inlet
- Proper static reduction/grounding - Please See **Page 9**

Compressor Requirements

- Machines equipped with Counter Balance (air assist) require 90 PSI static pressure. Connection is made by using ¼” male ARO type quick-connect hose coupler.

Misc. Considerations - Spoil Board and Work holding

In most cases, it's necessary to utilize a spoil board over the machine table top. We recommend that you put a plan together and acquire required materials (including a surfacing/spoil board tooling) prior to receiving your machine. You will find various discussions regarding application options and materials at <http://camheads.org>.

Work holding strategies can vary tremendously depending upon application, machine/options configurations, personal preference, etc. Common strategies typically involve vacuum, screws, clamping (various), t-tracks clamps, press-fit jigs, adhesives (double-stick tape, glue, and spray adhesives) and polymer/composite nails. You can find various discussions on these and other topics at <http://camheads.org>.

Software Familiarization

- **CAD/CAM Software - Vectric**

Your new CAMaster machine will ship with Vectric Cut 2-D software (unless otherwise specified). If you haven't already done so, we recommend that you download a trial version available at <http://www.vectric.com/downloads/trial-software.html> as well as review the training material/videos at <http://support.vectric.com/training-material> prior to receiving your machine. Additionally, CAMaster offers quarterly in-house training classes covering Vectric software, WinCNC software along with basic machine operation. Please visit www.camaster.com or our forum at www.camheads.org for more information on these classes.

- **Control Software – WinCNC**

Your machine Control PC will arrive pre-loaded with WinCNC software/hardware. Advance copies of WinCNC are not available as WinCNC will only operate on your control PC. This said, you'll be provided a full run-down on WinCNC as part of your on-line orientation after you receive your machine. In the interim, you will find related information at <http://www.wincnc.net/> and at <https://www.youtube.com/watch?v=BdxGAAOpE-o&t=795s>.

- **CAD/CAM Software – Other**

- Fusion 360 <http://www.autodesk.com/products/fusion-360/overview>
- EnRoute <http://enroutesoftware.com/>
- MozaiK (cabinet) <http://www.mozaiKsoftware.com/>

Resources and Useful Videos

CAMaster Support
support@camaster.com
770-334-2144

CAMaster Website
www.camaster.com

CAMheads Forum
www.camheads.org

Vectric Software Support
www.support.vectric.com

Vectric Software Design Tutorials
<https://www.youtube.com/channel/UCqkhkxgPPLdtYy8ybykTlzQ>

Spindle Information
www.hsdusa.com

Tooling Information
www.vortextool.com

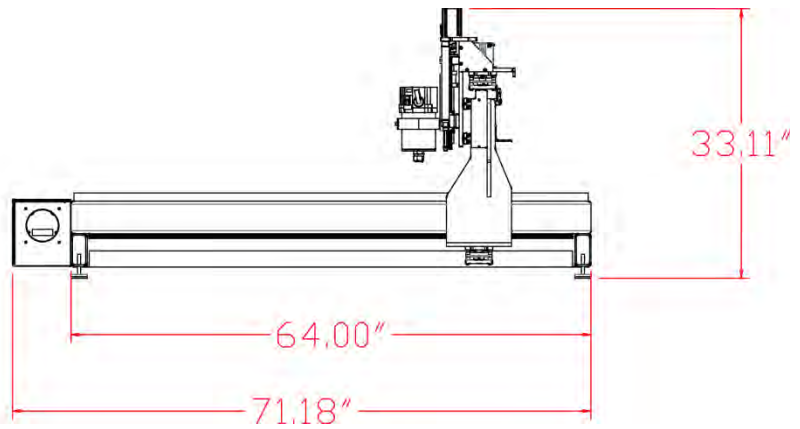
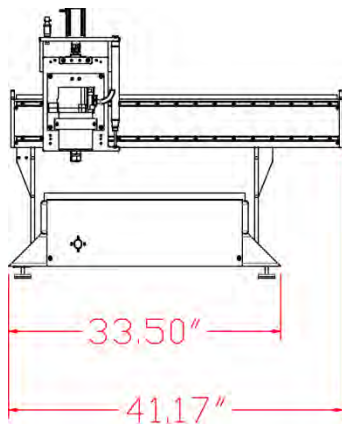
Controller Information
www.wincnc.net

CAMaster Orientation Video
<https://youtu.be/BdxGAAOpE-o>

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Dimensions & Weights

	Standard	Std. + Rotary Lathe
Overall Dimensions	41.17"W x 71.18"L x 33.11"H	41.17"W x 72.18"L x 33.11"H
Overall Weight	550 lbs.	620 lbs.
Crate Dimensions (approx.)	85" x 47" x 50"	85" x 47" x 50"
Shipping Weight (approx.)	850 lbs.	920 lbs.



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Electrical Requirements – CNC System

- Electrical power to the CNC system is provided by the customer.
- System power should be supplied through an easily accessible fused service disconnect switch or circuit breaker.
- All system accessories such as vacuum hold down, dust collection, etc. should also be connected with an adequate service disconnect or breaker.
- U.L. approved or equivalent over current, spike, or surge protection should always be used to connect equipment such as the Control PC and other accessories requiring 120v up to 15 amps. Any equipment requiring 120v over 15 amps should be supplied by fused service disconnect switch or breaker.
- Any electrical work should be done by a qualified, licensed electrician.
- All customer electrical inputs must meet NEC and local electrical codes.
- The CNC System should be properly grounded.
- Service disconnect should be accessible at all times during System operation. Service disconnect should never be locked during System operation.

Stinger Desktop

	Control Box - Cord and Plug Included		Control PC - Cord and Plug Included	
	Volts/Amps*	Plug type	Volts/Amps*	Plug type
1 HP HSD Spindle	120v/15A	Std. 3 Prong	110v/15A	Std. 3 Prong
1.0 kw HSD Spindle	220v/15A	Std. 3 Prong	110v/15A	Std. 3 Prong
1.7 kw HSD Spindle	220v/20A	Std. 3 Prong	110v/15A	Std. 3 Prong

*** Requires Dedicated Circuit**

Electrical - Vacuum

Black Box Vacuum

Model	Volts/Amps	Plug Type
Storm	220-230v/15A	NEMA 6-20P Straight

CAMaster

High-Performance CNC Machinery

ADDRESS:

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Cartersville, GA 30121

PHONE:

Toll Free: 866.405.7688
Local: 770.334.2448

FAX:

770.334.2434

TECH SUPPORT:

770.334.2144

WEBSITE:

CAMaster.com



MADE IN THE USA