

NOTICE OF SOLE SOURCE PROCUREMENT

Date: August 16, 2017

Vendor/Contractor: AMTEK

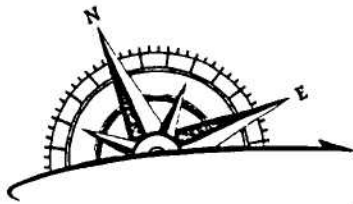
Contract Amount: \$45,137.00

Description of Services: Desktop digital milling machine with video tutorials and instructional materials.

Sole Source Determination: This machine and the instructional materials are exclusively distributed in Virginia by Amtek Corporation.

Date of Award: TBD

AUG 16 2017 AM09:34



VIRGINIA BEACH CITY PUBLIC SCHOOLS
CHARTING THE COURSE

Department of Teaching and Learning

MEMORANDUM

TO: J. Kevin Beardsley, Director, Purchasing Services

FROM: Amy E. Cashwell, Ed.D., Chief Academic Officer *AC*
James M. Pohl, Ph.D., Executive Director of Secondary Teaching and Learning
Sara Lockett, Ed.D., Director of Technical and Career Education

SUBJECT: SOLE SOURCE JUSTIFICATION FOR THE INVENTABLES CARVEY PACKAGE FOR ALL MIDDLE SCHOOLS AND SELECTED HIGH SCHOOLS

DATE: Aug. 3, 2017

REQUISITION #: TCED-18-0297201

TOTAL DOLLAR AMOUNT: \$45,137.00

JUSTIFICATION FOR SOLE SOURCE:

In continued support of career and technical programs and STEM education throughout Virginia Beach City Public Schools, the Office of Technical and Career Education in support of manufacturing education, proposes the purchase of the Carvey desktop milling machine package. This package includes an online video based class for VBCPS teachers to learn safe operating procedures and share creative ideas. This sole source request is necessary because AMTEK is the approved vendor for Virginia for Inventables. Each middle school will receive a machine to be integrated into existing modular instruction. The high school programs will utilize the machine in electronics and pre-engineering classes.

/kb

Attachments

ec: Aaron C. Spence, Ed.D., Superintendent

Approved:

J. Kevin Beardsley

J. Kevin Beardsley, Director
Office of Purchasing Services

8/16/17

Date

T&L/TCE-0118



amtek
company, inc.

Quotation

Quota Number: A171624-C

Date: 31-Jul-17

1244 Ritchie Hwy, Suite 10, Arnold MD 21012
Phone: (800) 926-8359 Fax: (410) 315-9249

Please email purchase orders to services@amtekcompany.com

Customer:	Terms:	Validity:	45 Days
Virginia Beach City Public Schools		Delivery:	7 - 14 Days
Office of Technical & Career		Payt Terms:	Net 30 Days
1800 College Crescent		FOB Point:	Delivered
Virginia Beach, VA 23453		Consultant:	Rich Sykes
Attn: Dr. Charles Hurd 757-648-6180		Reference:	Verbal Request

Inventables Carvey Package Quote

Model No	Description	Quantity	Unit Price	Ext. Price
30494-01	Carvey - 110V Includes: - Carvey 110V System - Smart corner clamp with auto z-zero - Innovative side clamp system with three lengths of clamps (Qty 5 each) and two heights of clamp bases (Qty 5 each) (clamps work on material up to 3/4" thick) - Two wrenches - Qty (1) 1/16" solid carbide bit - Easel bit set	17	\$2,614.00	\$44,438.00
EAS-CLASS	Virginia Beach Specific Easel Live Class Inventables will customize the Easel Live gears class specific to Virginia Beach schools designed to cover content from SRC robotic gripper. Class will include video based tutorials along with model files and a consumable list. Virginia Beach will have a separate page with specific content that will not be shown to the general public. Inventables would normally charge a \$2500 fee for custom content development.	1	\$0.00	\$0.00
VC-CUT3D	Vectric Cut 3D	1	\$299.00	\$299.00
TRAIN1	Training On Site 1 day project specific group training session.	1	\$400.00	\$400.00
Grand Total				\$45,137.00

NOTE:

1) Please note that when the quota indicates FOB delivered, the pricing provided includes delivery to a loading dock only. Inside delivery, additional delivery equipment (pallet jacks, fork lifts, rigging, etc...), expedited delivery or any other unusual delivery requirements are at additional cost. Please contact Amtek Company if you have "other than" delivery dock requirements.



I N V E N T A B L E S .

June 1, 2017

To: Dr. Charles Hurd - Virginia Beach Public Schools

Re: Amtek Company & Inventables

Dear Dr. Hurd:

Thank you for your interest in Inventables Carvey product. Inventables, Inc. is the exclusive manufacturer of Carvey, X-Carve and makers of Easel software.

Amtek Company, Inc. headquartered in Arnold, MD is our Education Dealer (Channel Partner) providing sales, installation, training and support for Inventables in the state of Virginia.

Amtek Company contact information:

Amtek Company
1244 Ritchie Highway, Suite 10
Arnold, MD 21012
800-926-8359 (Phone)
410-315-9249 (fax)
djones@amtekcompany.com (e-mail)

Please let me know if you need anything further at this time.

Yours truly,

Zach Kaplan
CEO
Inventables, Inc.
Chicago, IL 60607
312-775-7009
Zach@inventables.com

Charles C. Hurd

From: Rich Sykes <rsykes@amtekcompany.com>
Sent: Friday, June 02, 2017 7:37 AM
To: Charles C. Hurd
Subject: Carvey updated info
Attachments: Inventables sole source letter.pdf

Hi Charlie,

Thanks again for taking a look at the Carvey. The minute I saw this system running in our office I immediately thought of you because of what you are trying to get done on the manufacturing side with the younger kids. We ran 10-15 parts here in our office and I was pretty sure that this product would work, even at the youngest levels so I am glad everyone liked it. Given the price and quality of the machine, I think it's a homerun.

I went back to Zach to get some updates for you. Here they are.

1. Warranty is 1 year or 500 run hours. My guess is you won't get to 500 hours before a year is over so effectively it's a year.
2. For the warranty period, typical policy is that they send out parts for repair and almost everything is easy to change out. They have a set of instructions right on the website for the most common items. So it's typically not something that requires a service visit. If it did, they would issue a UPS call tag and bring it back to their factory if we could not get to it. So service should not be an issue.
3. Zach told me that they had these systems out in the field for quite some time before they released them and he expects that you will have a positive experience. He doesn't know what the useful life will be because they don't have enough time with these yet to give that sort of feedback. However, he said to let you know that the useful life of this system will DEFINITELY be quite a few years and that their intention is to have replacement parts available for many years into the future.
4. He has a number of middle schools that are sort of model users. He offered to send over the contact info for the teachers in these programs in case you would like to speak to them. Here are their email addresses: Piotr Wojciaczyk <pwojciaczyk@cps.edu> and Blaine Bryson <brysonb@avoneagles.org>. He said they are having really great success with it and could provide you some insight if you wanted to chat with them.
5. Sole source letter is attached.

Let me know if you have any other questions that I did not address.

Thanks,

Rich

Rich Sykes
Amtek Company
1244 Ritchie Highway, Suite 10
Arnold, MD 21012
800-926-8359
rsykes@amtekcompany.com

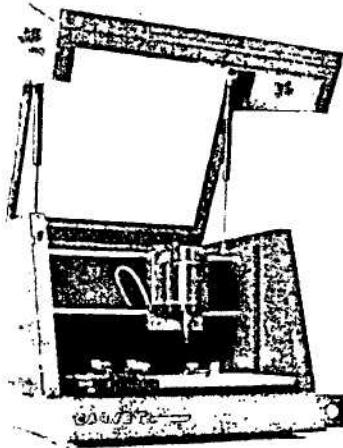
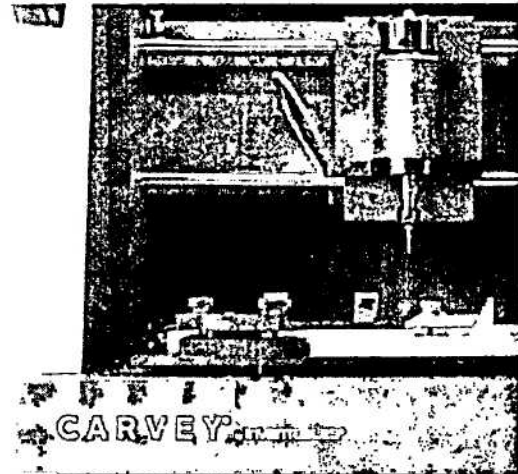
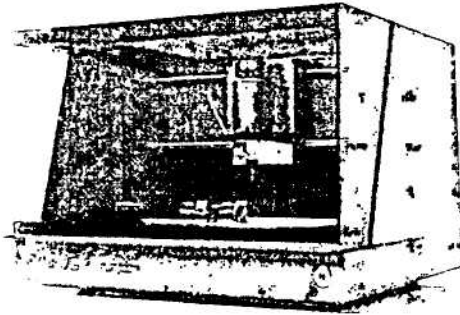
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FREE, FAST Shipping in the U.S.

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www.matterhackers.com

Inventables Carvey 3D Carver



The Inventables Carvey is a desktop 3D Carving machine that features a fully-enclosed work area which contains noise as well as debris, to keep your workshop clean and quiet. Capable of working with a wide variety of materials from wood to soft metals and molding wax, the Carvey is ready to take on your next 3D project. The spindle operates at up to 12,000 RPM and can be configured to accept 1/8", 3/16" or 1/4" bits.

Tagged: [CNC Machines \(/store/c/cnc-machines\)](/store/c/cnc-machines)

List Price: ~~2,799.99 USD~~

Price: **2,499.99 USD**

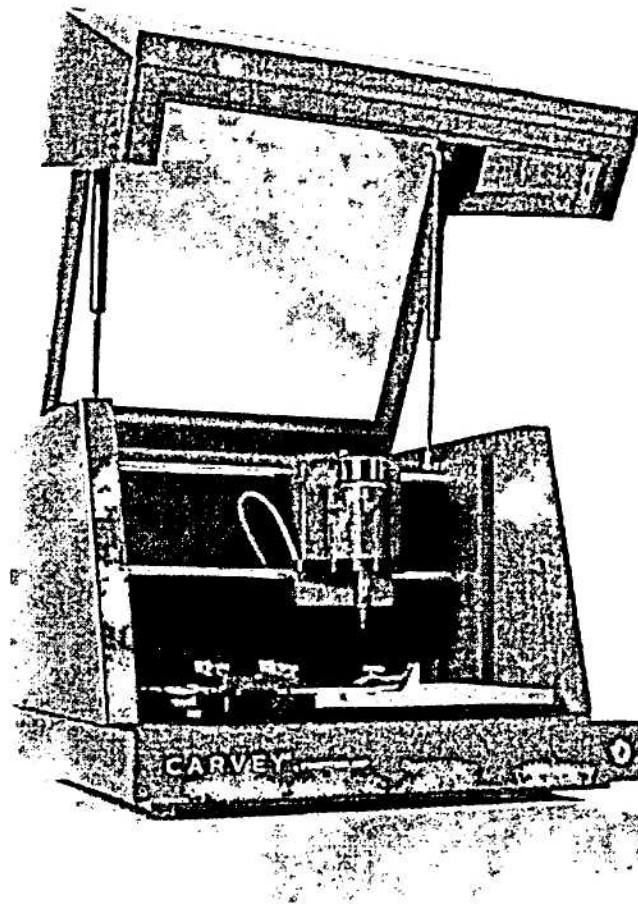
— Available for Pre-order —

Availability: Pre-order

Est. In Stock: Sep 1st

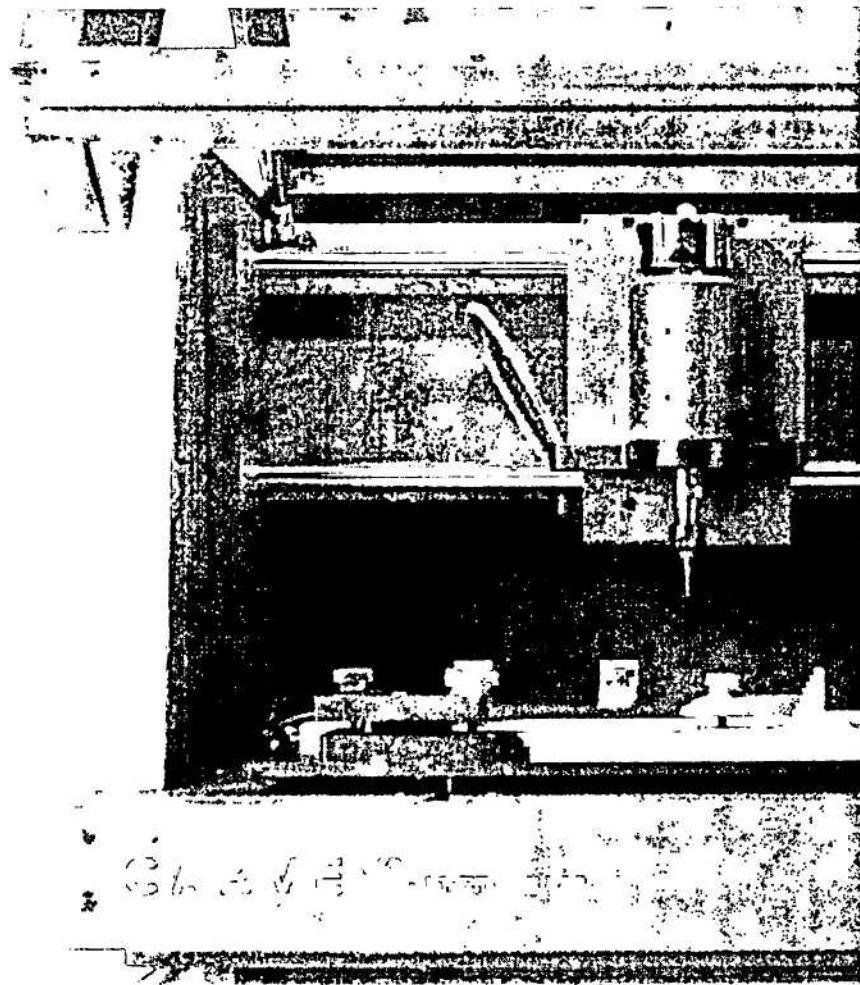
FULLY ENCLOSED WORK AREA KEEPS YOUR DESK CLEAN AND QUIET

3D Carving can be noisy and messy, so Inventables has designed the Carvey with a full enclosure as part of the frame. This keeps any debris inside the machine and off your desk while the machine is working. After the job is finished, vacuuming debris away from your part is easy. From the enclosure to the spindle, the Carvey is also set up to be as quiet as possible. The door has rubber seals that help keep sound inside the machine and the custom, 12,000 RPM spindle was created with speed and noise reduction in mind.



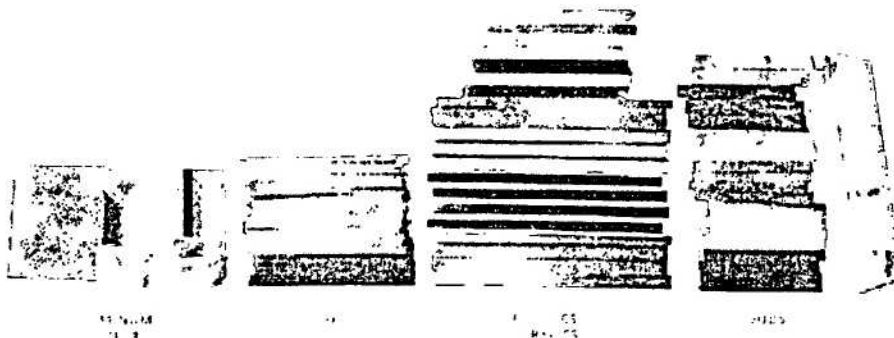
AUTOMATIC CALIBRATION

You want to spend your time making things, not having to calibrate your machine. The Carvey automatically calibrates itself and probes the build plate to learn where the material is. Material settings are integrated in the design software and loaded into the machine along with the G-code for your project. Create your design, select what material you are going to carve out of, and export your G-code to the Carvey over USB.



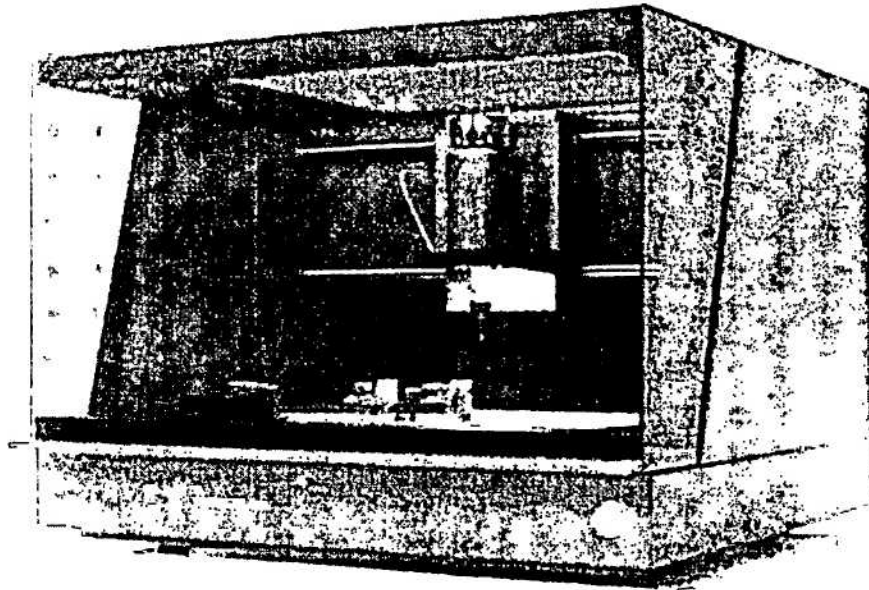
MANY MATERIALS TO CHOOSE FROM

The Carvey is a powerful 3D Carving machine, which provides you with the ability to create parts not only from wood or plastic, but also soft metals, linoleum, foam, and molding wax. Inventables design software includes programming for a wide variety of materials, so trying something new is easy. This flexibility means you can prototype a design in less expensive materials like wood or MDF and easily change over to aluminium or copper for the final piece.



TECHNICAL SPECIFICATIONS

- Spindle: 300 DC - 12,000 RPM
- ER-11 Collet accepts bits with a 1/8" shank, but can be switched to accommodate 3/16" or 1/4" shanks.
- Machine size: H: 16.6" W: 21.7" D: 20.5"
- Machine Weight: 70 lbs
- Work Area: W: 11.6" D: 8" H: 2.75"
- Accuracy: 0.003"
- Spindle runout: 0.001"
- Motor resolution: 0.001" or greater on all axes
- Work area flatness: ± 0.020 "
- Control Software: Easel



WHAT'S IN THE BOX?

- Carvey 3D Carving Machine
- Smart corner clamp with auto z-zero
- Innovative side clamp system with three lengths of clamps (Qty 5 each) and two heights of clamp bases (Qty 5 each)
 - (clamps work on material up to 3/4" thick)
- Two wrenches
- A 1/16" solid carbide bit

WHY BUY FROM MATTERHACKERS

At MatterHackers we pride ourselves on offering friendly service, advice, and support. Our prices are always the lowest in the industry when you factor in our free shipping for every item on the MatterHackers site (including 3D printers). Most of all, our staff is friendly and knowledgeable. They have been 3D printing for several years now and are happy to answer your 3D printing questions. Have a question about the amazing capabilities of your new Inventables Carvey? No problem. Feel free to give us a call.

In short, buying a 3D printer from MatterHackers is a holistic experience. We are here to partner with you through every step of your 3D printing journey. Additionally, we have all of the **PLA** (<http://www.matterhackers.com/store/3d-printer-filament/pla>), **ABS** (<http://www.matterhackers.com/store/3d-printer-filament/abs>), and **Specialty Filament** (<http://www.matterhackers.com/store/3d-printer-filament?t=1.75mm%20Specialty%20Filament>) that you could ever need to design anything you can imagine.

Questions

Which one is better. Carvey or Carbide?

— asked by KikoLobo June 4th, 2017 at 12:25AM

Neither is really better. The Carvey has a larger build area. However, the Carbide Nomad comes with a license for MeshCAM, for doing 3D milling.

— answered by tanderson MODERATOR June 7th, 2017 at 4:53PM

In terms of machine they are the same (rigidity, precision, etc)? Except for size right?

So if I don't care about the software Carvey will be a better choice for strength, precision, etc?

— answered by KikoLobo June 8th, 2017 at 11:56AM

As far as rigidity they are the same. They're both very solidly built machines. The Carvey seems to have a better system for holding work pieces to the bed, though.

— answered by tanderson MODERATOR June 9th, 2017 at 4:28PM
