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✓ Any update on the macros?

Jan 2024 - Hey Jesse, I don't think you can expect that this will be implemented into the Onefinity Controller. Generally nothing of the further development of th...

✓ 1.4 firmware final release

Aug 2024 - Hey Chris, we have a search function here: "<https://forum.onefinitycnc.com/search> 1.4 Firmware " Final releases are always here: <https://github.com/On...>

Change to open source firmware

Nov 2023 - Hey Derek, Neel @justneel ,
WaywardWoodworker: (I was never able to get it to build and install) but what would be the reason that it did not work? If...

Rewriting OS on SD card

Apr 2024 - Hey Charles, the image files for SD cards are <https://github.com/OneFinityCNC/onefinity-firmware/releases> here . The image files are the .img.xz files....

Buildbotic Updates

Nov 2023 - Hey Tony, this is the right thread:
<https://forum.onefinitycnc.com/t/onefinity-cnc-firmware-1-3-9-3-23-x-35-x-50-machines-w-buildbotics-controller-most...>

BuildBotics LinuxCNC

Oct 2023 - Hey Dave, you can see those which are implemented on your controller's user interface at <http://onefinity.local/#cheat-sheet> :
Onefinity_CNC_controler_...

I need help with firmware update...v1.0.9 to v1.2.1

Aug 2023 - Hey Lee, this upgrade makes sense if you buy the [https://www.onefinitycnc.com/product-page/z-20-heavy-duty-z-slider Z-20](https://www.onefinitycnc.com/product-page/z-20-heavy-duty-z-slider-Z-20) (as it is on the selection lis...

How do you set the time?

Mar 2023 - Hey Dale, hey Thomas @Thomasaburt , hey Scott @ssamborn , hey all, to adjust timezone, time and date, either you open a terminal window (on the Onefini...

☑ Upload using Onefinity web UI from remote device

Apr 2023 - Hey Mike, but you don't describe a different behaviour between laptop and iP*thing: The browser opens an "Open file..." dialog on the machine it runs on....

Controller software rebooting

Mar 2023 - Hey Snacky, no, this is not normal. I would write an E-Mail to <mailto:support@onefinitycnc.com> support@onefinitycnc.com and report the issue. Welcome t...

1.2.1 Issues and future upgrade to 2.0

Feb 2023 - Hey Brian, IronCreek:
<https://forum.onefinitycnc.com/t/onefinity-cnc-firmware-1-2-1-2-8-23-x-35-x-50-machines-w-buildbotics-controller-outdated/18655/1...>

Resetting after a power outage

Feb 2023 - Hey Dave, you can enter <https://en.wikipedia.org/wiki/G-code> G-code commands into the command entry field of the <https://buildbotics.com/manual-v1-0/#C...>

☑ After upgrading to firmware 1.2 beta: "Z-16 Original" or "Z-20 Heavy Duty"?

Feb 2023 - Hey Silvio, the correct answer would be: Measure the diameter of the chrome-plated hollow shafts on the Z-slider, but as far as I know, the <https://www...>

Post up them projects (👁 Show off what you've made on your Onefinity!)

Oct 2021 - Hey Butch, what a great job! And, as far as one can see, so well executed.

Easy-Z Tool Setter Problems (what is the proper steps to use it)

May 2024 - Hey Dean, you can also use the T command many lines before the M06 command.

<https://forum.onefinitycnc.com/t/tool-length-setter/26116/18>
Tool length se...

EP3 Onefinity CNC - 3 Must Haves in a CNC Wasteboard: Includes MATCHFIT Dovetail Wasteboard System Files FREE. Includes files for Vectric and Carveco. Sizes support Foreman, Journeyman, and Woodworker!

Apr 2023 - Hey Ed, cymro99: I just posted a Fusion 360 version of Morgan's wasteboard on the Facebook group. I didn't want to duplicate it here. your logic is fla...

Strain relief for X gantry Molex connectors

Nov 2022 - Hey all, more recent cables have molded-on connector housings DSCN8016_cropped1_25pct PS: But that does not prevent that the permanent motion of the CN...

Any thoughts on raising the entire machine (+qcw legs) up

Aug 2023 - Hey Captain, yes, I have such thoughts:
<https://forum.onefinitycnc.com/t/waste-board-location/19854/4> Waste Board location My first idea was to use two...

Spindle Warm Up Program?

Jun 2022 - Hey Jace, in https://www.mechatron-gmbh.de/fileadmin/user_upload/Datenblatt_HFS-8022-24-ER20.pdf my spindle 's manual (a 6,000–24,000 rpm 2.2 kW water-...

Setting z height correctly?

Apr 2024 - Hey Wayne, the workpiece zero coordinate in your virtual 3D model has exactly to be at the same position on your real workpiece. If you define it at th...

Wall mount enclosure?

Dec 2024 - Hey Steve, no such vertical enclosure yet there to my knowledge. We'll eager to see how you build one ! 😊
Welcome to the forum!

✅ Loss of power - Woodworker Elite

Dec 2023 - Hey Thomas, I think the first check should always be the supply circuit and then the power cable. You would use a multimeter to check them, by setting...

Machine "stuttering" with Lightburn

Feb 2023 - Hey Dave, SanderCreations: Now that I've gone back and thought about it, each time it happened was when I was trying to laser engrave a picture file. M...

Woodworker speed control / vfd settings?

Nov 2023 - Hey David, usually I suggest to Read The Fine Manual... 😊 Welcome to the forum!

✅ Out of square issue

Sep 2023 - Hey David, how did you
<https://forum.onefinitycnc.com/t/what-do-i-do-first/18349/6>
check for rectangularity ? I find using a bar gauge for a first chec...

QCW Fix Stand And Fixed Leg Kit

Aug 2023 - Hey Larry, the advantage of "Secure from beneath" is, with self-drilling chipboard screws, you do not need to pre-drill anything into the wasteboard sl...

✅ Probe not stopping and damaging/breaking bit on touch probe

Sep 2024 - Hey Jonathan, since using the touch plate means closing an electrical contact, the error must be in the connection. You could make sure the the inside...

Upgrade to 4x8 please!

Dec 2022 - Hey Doug, what you want is the <https://www.cnc-step.com/raptorx-sl-xl-gantry-cnc-router-machine-3200s20-with-3200-x-2010mm-traverse-path/> Raptor XL :sl...

Z axis not responding to remote control

Sep 2023 - Hey Dale, Rustic: Had this problem, solved this problem. I'm going to include the advice video that solved my particular glitch at the end here. Spent...

Cutting thin gauge steel

Jul 2022 - Hey Nick, if you want to mill steel, the usual spindles shown here that have two magnetic poles and a speed range from 6,000 rpm – 24,000 rpm are not t...

Elite Table Builds

Mar 2023 - Hey Joshua, I really like your project/variation of the Fisher's table RockingMallet: as i mentioned doesn't require legs - but will see if that is tru...

Show us your vertical clamping methods!

Nov 2021 - Hey Mike, <https://forum.onefinitycnc.com/t/cnc-1f-cabinet-with-a-vertical-cut-option-pictures-included/5485>
CNC 1F cabinet with a vertical cut option P...

The importance of dust collection and maintenance on the Onefinity

Nov 2021 - Hey Ziggy, wood dust is generally not compatible with oiled exposed mechanics. It has to be collected as completely by a strong dust collection system...

Masso G3 wiring question - pins 3 and 4

Sep 2024 - Hey Clive, <https://docs.massocnc.com.au/wiring-and-setup/setup-and-calibration/spindle-vfd-examples>
Spindle/VFD Examples – Masso Documentation <https://doc...>

Journeyman Enclosure With Utility Room

Feb 2022 - Hey Branden, thank you for showing your installation here! When sometimes I was trying to enumerate which components one would put into a cnc control c...

Onefinity is excited to announce the EAZY-Z Tool Setter

Dec 2023 - Hey Auntjemimma, you can wire the (first switching stage) of a tool setter to the probe input (ground to ground). What the buildbotics lacks is a g-cod...

Squaring t tracks

Jan 2023 - Hey Butch, sure you could use a v-bit and minimal cutting depth. In any case I would take the opportunity and use the setting to first check if the mac...

Chatter in X axis only

Jul 2024 - Hey Doconefall, when I watch your videos, I think this is exactly why I want to replace the entire Z assembly with something with less leverage force b...

What controller is a good replacement for the buildbotics

May 2024 - Hey Tim, in this forum users used <https://forum.onefinitycnc.com/search> masso g3 build , <https://forum.onefinitycnc.com/search> acorn , <https://forum.on...>

✅ Leveling Caster Insert for Elite Foreman Fixed Base (Solution found)

Apr 2023 - Hey Ed, cymro99: I do like the new machine; it's a very solidly built platform and deserves to have the title of 'best in class'. My frustration comes...

Z-20 (Heavy Duty Z-Slider)

May 2023 - Hey Dan, Danny72: everything is working great except for the Z axis, When I hit start it plunges down all the way it's like the motor is losing power....

Less expensive software for 3d modeling?

Feb 5 - Hey stuckinohio, stuckinohio: I want the ability to do 3D modeling. As far as I can tell, I have to step-up to: Carveco Maker+ \$600 per year Aspire \$19...

80 mm Spindle Bit Location

May 10 - Hey Mike, this is a known <https://forum.onefinitycnc.com/t/wasteboard-too-short/22863/11> Onefinity Z Axis Design Issue . For the time that I intend to...

Why is the wastboard size usually set to the cutting dimensions of the machine

Dec 2022 - Hey Gene, hey all, I think it's logical to make the wasteboard just as large that it can be trued by the CNC itself, but I've had similar thoughts about...

Before you setup your Woodworker.. an alignment guide

Nov 2021 - Hey Tyson, thank you for sharing. You wrote in your pdf: (Note: this information was created based on the drawings provided by Onefinity, they are as ac...

New member, new Journeyman (drag chains, dust collection, spindle grounding, ...)

Oct 2021 - Hey Leader, OnefinityCNC: [...] drag chains. They can introduce bug creating emi. I would be interested in what evidence supports this thesis

Fresh out of the box, Z Axis Motor alarm on Homing procedure- Elite Foreman

Apr 2024 - Hey Alex, the
<https://www.masso.com.au/product/masso-touch-mill-router-cnc-controller/> Masso G3 on the Elite Series does not support
<https://forum.onef...>

✅ Tool changes And Z Height

Oct 2022 - Hey Fred, fredcal2: joy stick does not work in the middle of a tool change this is a known missing feature. While you're in program mode , <https://buil...>

Torsion Box Design

Jun 2022 - Hey all, what is a sheet's size in your country? Since plywood has often been the subject here in the forum lately, the day before yesterday when I was...

✅ 1F unusable, Controller or VCarve issue?

Sep 2023 - Hey Tom, Geige: I have had 1 year of 1F use without any problems. After I installed the spindle recently my problems started. I am not sure if the spin...

Tram gauge issue, need a sanity check

Nov 2024 - Hey Gil, hey all,
<https://forum.onefinitycnc.com/t/tramming-the-router/1132/40>

Tramming the Router tramming

<https://forum.onefinitycnc.com/t/tramming-t...>

Help with H100 VFD setup/wiring/programming (solved)

May 2024 - Hey Aaron,

<https://forum.onefinitycnc.com/t/wiring-h100-or-v70-vfd-to-gx-12-6-pin-spindle-control-on-elite-masso-g3/22557/10>

Wiring H100 or V70 VFD to...

The Table basic

Jul 2021 - Hey John, Corners: What is the prime reason for an enclosure? Noise or dust I think with an enclosure you may well reduce dust and noise in the room wh...

Purchasing a CNC for our Small Business - Help us make a decision

Dec 2023 - Hey Derek, WaywardWoodworker: Geige: If you plan on using the CNC professionally DO NOT GO WITH THE BUILDBOTICS CONTROLLER! Can you elaborate on this?...

Proximity Sensor Help Needed (aftermarket)

Sep 2023 - Hey Joe, JoeT: Is there any way to have each Y-motor home off its own min-position proximity sensor or is a single proximity sensor on the Y1 axis all...

✅ Z-axis losing steps

Sep 2024 - Hey Peter, Peteman: I can't be the only one who is having this lost z step issues. serious machines have cables that are shielded and the machine must...

Post up them handmade G-codes

Apr 2024 - Hey Gabe, Gabe: Do you have a link to the docs for that? the variables in g-code are called "parameters". There are numbered parameters, named paramete...

Masso G3 controller enclosure update - internal wiring completed

Nov 2021 - Hey Tom @TMToronto , you're one year in this forum . You got the cakeday 🍰 icon above! Congratulations!

Battery Backup UPS?

Apr 2024 - Hey Wayne, if you want to run a CNC machine during a power outage, it's not a electronic
https://en.wikipedia.org/wiki/Uninterruptible_power_supply
UPS...

Z-20 Offsets from original for fixture 'recalibration'

Oct 2023 - Hey Tyler, unfinishedDesigns: I need to 'recalibrate' my CAM setup for these fixtures and jigs now that I have upgraded to a Z-20 spindle carrier. What...

Losing Z Position on program pause

Mar 20 - Mark_Markus: <http://omc-stepperonline.com> omc-stepperonline.com offers servo, stepper, BLDC motors and diverse drivers, acessories, etc. [...] Don't sign...

Shapeoko Sweepy Dust Boot

Mar 2024 - Hey Scott, tahoe1840: I'm reading people are not to happy with the standard dust boot for the 1F. People seam to like the Sweepy. there are a few dust...

Macros Files for BB | Official Thread

Feb 2024 - Hey tmuka, OnefinityCNC: /uploads/short-url/pmwUcMm9zQV38DCCalzhXA0o0fT.ngc
GoHomeXYZ.ngc (3 Bytes) tmuka: I also wonder if a default GoHomeXYZ might b...

Masso G3 build - Tangential knife success with Sheetcam

Sep 2021 - Hey Tom, what is particularly impressive is the steep learning curve how you have acquired all of this.

The table build

Feb 2024 - Hey Daniel, abrtguy: With/Without VFD? your question is a little off-topic in this thread, but nonetheless: If you want to use a spindle, you forcibly...

Which water pump

Feb 2023 - Hey Owen, this was and is frequently asked. You may have a look here (sorts by Relevance, you may change to sort by Latest): <https://forum.onefinitycnc...>

VFD interface with water pump

Feb 2024 - Hey David, depending on the max. current draw of your pump, you may connect it directly to the Relay output, or if it exceeds the RO1A specification on...

Auto controlled water pump

Feb 2024 - Hey Brian, by the way, usually it's not the CNC controller that switches the spindle coolant pump on and off, but the <https://en.wikipedia.org/wiki/Var...>

📌 Confirmed Aftermarket Screens/Monitors that work with the Onefinity

Sep 2021 - Hey Kevin, I had an eye on <https://www.lenovo.com/us/en/p/desktops/thinkcentre/m-series-tiny/thinkcentre-tio24-gen-4/wmd00000416>
ThinkCentre Tiny-In-On...

Controlling Lube Cube

Oct 2024 - Hey Todd,
https://en.wikipedia.org/wiki/Cutting_fluid workpiece coolant is a standard on cnc machines. You can attach different systems to your machine...

✅ Z Axis Soft Alarm

Dec 2024 - Hey Knot, [OT] you can upload any file of 7z, ai, bz2, c2d, con, cps, crv, crv3d, dfx, dwg, dxf, eps, f3d, gcode, gif, heic, heif, img, jpeg, jpg, json...

Elite Control Box Schematic?

Oct 2023 - Hey Jd22, I agree to Joergen @dumbo <https://forum.onefinitycnc.com/t/estop-for-external-driver/22714/13> here that if you want to make something with ES...

Air cooled spindle?

Sep 2021 - Hey Benoît, ben: There are many air-cooled <https://www.stepcraft-systems.com/en/cnc-accessories/overview-milling-motors> milling motors available. I'm p...

Foreman detailed sizing

Mar 2024 - Hey Sid, see <https://forum.onefinitycnc.com/t/1st-post-size-matters-and-vertical-clamping-for-finger-joints-tenons/18074/3> space to reserve around the...

Z axis set screws are stripped

Feb 5 - Hey Richard, ricknola: I attempted to install a new spindle on my elite and all the set screws stripped with one turn. Usually this only happens when...

Vacuum tables and Pumps

Jan 2022 - Hey Eugene, I would say if it has u,v,w connectors it is a three-phase device. U,V,W are standard names for this. Do you have a photo and/or a model na...

Foreman Enhancement Request

Feb 5 - Hey doubleplay643, what would help you would be a <https://forum.onefinitycnc.com/t/wastebord-too-short/22863/11> spindle mount that protrudes beyond th...

Makita Burned Up

Dec 2023 - Hey @WikiSnapper , hey E D, hey Auntjemimma, hey all, it was reported in this forum that the Makita support stated that as soon you put the Makita hand...

Day 4 of 2024 release Week! Introducing the Onefinity Spindle Kit by Redline CNC

Nov 2024 - Hey Onefinitycnc, where can I read the VFD manual?

✅ Is pin 1 missing from spindle control and how do I fix it?

Jun 2024 - Hey whiskey, according to this support document, the red wire should not go to SC-3 but to SC-1: Also the blue wire should go to SC-7. But make sure th...

ABB VFD Newbie Question

Jun 2024 - Hey Clive, you may read the fine manual at MASSO Documentation: <https://docs.massso.com.au/wiring-and-setup/setup-and-calibration/spindle-vfd-examples> V...

✅ Onefinity Foreman Pro ordered with out the black box

Mar 2024 - Hey hyspead, hyspead: Just pulled the trigger, I have a Masso G3 already so I did not get the black box on this machine. My question is do need new cab...

Wiring for 2.2kw spindle and vfd

May 2022 - Hey Bernard, welcome to the forum. bjutras: My question is how long of a cable do I need for the spindle and what is the best brand and gauge shielded...

Uses for Breakout Board on BB controller

Jun 2024 - On the <https://buildbotics.com/manual-v1-0/#25pinioport> 25-pin I/O port , you can connect your <https://forum.onefinitycnc.com/t/controller-software-too...>

What is the best go to spindle for onefinity x50 journeyman

Sep 2022 - Hey Rick, Picklerick: Does 120 volt setup or 220 volt setup make a difference in performance. with 120 V you should be aware that all your wires and fu...

Spindle RPM Turning Off Between Cuts

Mar 2024 - Hey Don, there is an option "rapid-auto-off" that should be automatically enabled with tool=laser and disabled with tool="router". This option makes th...

New to CNC and the Forum

Aug 2024 - Hey John, to buy a CNC machine takes one minute. Choosing one maybe one month of research. But if you don't want to stay with making name signs for the...

✅ Touch Probe seeing contact with no contact after doing a spindle upgrade (solved, reset config)

Jan 2023 - Hey Atroz, I should be in bed already but saw your post which of course makes me think. Can you measure constantly the 'logical high' voltage on the pr...

Dust Boot Bake Off

Mar 2024 - Hey Adam, this is not the first time that I see someone trying to measure a dust collector's air flow and/or trying to compare dust collection systems...

Z Axis issues with X-50

May 2024 - Hey Joseph, prfiredog: sometimes its backwards
<https://forum.onefinitycnc.com/t/z-axis-moving-unexpectedly-cutting-too-shallow-or-too-deep/14829/1> Z Ax...

Laser Options Besides Jtech

Jun 2022 - Hey Dominik, DDSite: it cheered me up because sometimes I think that this forum is somehow intimidating me by silence... this somewhat enigmatic statemen...

Is this suck it boot mount installed correctly?

Feb 2024 - Hey Gil, gilbee: Also, is it normal for the collet to come real close to and possibly hit the little shields that are around the collet area? I've trie...

Huanyang VFD and Pump Wiring Diagram Review

Jan 2024 - Hey Josh, an emergency stop button shall not interrupt the power of a VFD. The only way to stop a spindle, including emergency stop, is to use the STOP...

☑ Z axis plunging down while probing for new bit (solved: each tool must be it's own file)

Dec 2023 - Hey Sean, a g-code file with multiple tool changes works fine with the Buildbotics and the buildbotics-derived Onefinity controller. It's just that you...

Power supply for Elite Forman

Apr 2023 - Hey Bub, the answer is
<https://forum.onefinitycnc.com/t/official-onefinity-cnc-elite-series-assembly-video-elite-foreman-journeyman-woodworker/19311/3>...

Spindle Recommendation?

Nov 2024 - Hey all, <https://forum.onewfinitycnc.com/t/hitachi-vfd-which-one-to-get/18965/7> Hitachi VFD... Which One to GET? It is worthwhile to look at <https://you...>

Trusted shielded 16/3 and 16/4 suppliers?

May 2022 - Hey Brian, this ok yeah? Stout_RC_Solutions: The other place though, STILL hasn't even emailed me back. 🧑

3D Prints for the onewfinitycnc

Sep 2022 - Hey St0mp, St0mp: I had my first monitor drop yesterday. basement floor to boot. This case saved it. I like this <https://forum.onewfinitycnc.com/t/stock...>

G53 behaviour on buildbotics-derived Onewfinity Controller

Mar 2024 - Hey all, I see a strange behaviour on my Onewfinity Controller.
<https://linuxcnc.org/docs/html/gcode/coordinates.html#sec:machine-coordinate-system> G53...

Masso vs BuildBotics VFD Parameters

Jun 2024 - Hey Soutish, yes, the settings are different because the buildbotics-derived Onewfinity controller of the Original/X-50/PRO Series controls VFDs with Mo...

Ultimate OF X-50 Table Build (From Jay Bates)

Feb 2023 - Hey Andy, hey Alex, hey all, AndyP: Edit: is there such a thing as "table envy" I have table envy all the time 😊 Especially since I saw ht...

Ugly can of Firmware worms

Dec 2024 - Hey JP, also check that you have selected the right model of your machine

VFD Modbus "timedout" problem

Jan 2023 - Hey Henrik, Gripen: The Timeout is always present, even if I disconnect the breakout board. Is this normal behavior for the controller? This indicates...

✅ **Wiring H100 or V70 VFD to GX-12 6-pin spindle control on Elite Masso G3**

Sep 2023 - Hey Andre, this is a <https://forum.onefinitycnc.com/search> frequently raised topic . Would be nice if you add the wiring for your specific VFD to this...

DHL delivery problems

Jun 2024 - Hey Karl, we received it to Germany with DHL Express. One package made its travel over the ocean one day later as the others and it was written "piece...

Step difference between pocket and clearance toolpath

Nov 2024 - Hey Todd, what do you mean with "rehome"? Homing has to be done only once, after initial power-on of the machine. What you would do in these cases is j...

Z homing in wrong direction

Jan 19 - Hey Blake, you might be interested in <https://forum.onefinitycnc.com/t/keeping-zero-position/14115/44> this and <https://forum.onefinitycnc.com/t/z-probl...>

✅ **Elite Foreman Spoil Board Location**

May 2023 - Hey Don, for the [https://www.onefinitycnc.com/product-page/onefinity-machinist-original Machinist](https://www.onefinitycnc.com/product-page/onefinity-machinist-original-Machinist) , <https://www.onefinitycnc.com/product-page/build-you...>

RapidChange ATC

Sep 2023 - Hey Bill, BillSpencer86: <http://rapidchangeatc.com> rapidchangeatc.com ATC spindles were invented for the purpose. I think the addition of compressed ai...

📌 **ELITE Upgrade Kit FAQ (Official Thread)**

Jun 2024 - Hey Shane, Huanyang HY Series don't even support [https://en.wikipedia.org/wiki/Vector_control_\(motor\)](https://en.wikipedia.org/wiki/Vector_control_(motor)) sensorless vector control . It's just chinese cra...

Day 1 of 2024 release week! (part 2) AirWeights WCW Vacuum Slats for the QCW

Nov 2024 - Hey Borgorl, Borgorl: Also, what is the difference between these systems and the \$1,500 24x48 system also listed on the website? there is a 24" x 48" m...

✅ **Huanyang VFD wiring to Elite Masso G3 Touch**

Aug 2023 - Hey Greg, what you mean is probably this:
<https://forum.onefinitycnc.com/t/vfd-spindle-wiring-schematic-for-elite-masso-machines/20022> VFD/SPINDLE wiri...

Dimensions Are Missing For Elite Foreman

Dec 2024 - Hey Nick, maybe you should read the fine manual:
<https://www.onefinitycnc.com/support> We also have a search function. You will find much with "table" a...

Repairing a BB Controller

Dec 2024 - Hey David, Piddlin: I emailed BuildBiotics support but they said they did not make controllers for OF and offered no real help or real information. The...

✅ **Can't close program through touch screen**

Dec 2024 - Hey Chris, ChrisM: I finally decided that when it says "end Kernel panic" that means it's good to shut down. The correct way on <https://en.m.wikipedia....>

Asus touch screen not working

Jun 2022 - Hey Mike, did you also connect monitor's power supply to the wall outlet? The Onefinity Controller is not able to supply enough power to drive the moni...

From one Onefinity user to another

Dec 2024 - Hey all, on 09:20 UTC today, on the northern hemisphere the sun reached its northmost point. From now on it's getting summer! Of course at same time in...

Breakout board or ATC

Dec 2024 - Hey Lars, you put this connector on the <https://buildbotics.com/manual-v1-0/#25pinioport> 25-pin I/O-port <https://forum.onefinitycnc.com/t/day-5-of-2024...>

Dowel Question Double Sided Projects

Dec 2024 - Hey Borgorl, rebrobing X,Y gives you only one point. It would not prevent the workpiece being rotated after flipping over. Two dowels ensure that. [http...](#)

✅ **How stable are spindle?**

Dec 2024 - Hey RogueMachinist, you really can't compare a hand trim router with a spindle in terms of life expectancy, the latter will last many, many times longer...

New Z-20 Slider Not Stall Homing Properly

Sep 2024 - Hey Kaladin, you could install <https://forum.onefinitycnc.com/t/controller-software-tool-change-location-0-0-g54-g55-g56/10052/14> inductive proximity s...

I added an external Wi-Fi antenna to my BB Controller

Dec 2024 - Hey Barry, great article.

Best software for use with onefinity

May 2024 - Hey David, many people in this forum use Vcarve Pro or Fusion360. The first runs only under windows and costs more than €600 and there is a hobbyist ve...

Final part dimensions out of tolerance

Sep 2021 - Hey Andrew, may I ask, are you milling this with the makita trim router?

Huanyang VFD - RPM is not reading correctly

Jan 2023 - Hey Tim, by using the search function of this forum and having searched for <https://forum.onefinitycnc.com/search> Huanyang RPM you would have found: ht...

✅ **Dust curtains? For Elite series?**

Feb 2024 - Hey Kevin, hey Tony, hey all, ideally, the Dust boot and the Dust collection system should be able to suck up all the dust at the point where it is gen...

Collets and Nuts for Redline

Dec 2024 - Hey Borgorl, you need one collet for each shank size. You can buy a set like shown here [https://youtube.com/watch & feature=shared](https://youtube.com/watch&feature=shared) But maybe you use on...

not cuting through

Jul 2023 - Hey Christian, with "plywood", you don't say which kind of wood you mean. Or is there a plywood tree (arbor stratificata) that I don't know? :slightl...

✅ Raspberry pi 3 (which version) (solved 3b only)

Dec 2024 - Hey Alex, It just adds 5 GHz Wifi

Spindle and VFD question

Mar 2023 - Hey Andre, this VFD is supported on the Onefinity Controller by creating a "Custom Modbus VFD" entry. This was already described [https://forum.onefinity...](https://forum.onefinitycnc.com/t/1st-post-size-matters-and-vertic...)

Weird Tram issue

Nov 2024 - Hey Sebastian, the Onefinity CNC machines are gantry-style machines. The first step must always be 1. ensure your machine is accurately rectangular ("s...

Fire Safety in workshop

Jul 2022 - Hey Matticustard, hey all, mandrew: My Makita router caught fire yesterday. Matticustard: It may be impossible to determine the cause the cause is know...

Size of physical table actually needed

Feb 2023 - Hey John, someone just asked what to add around the bare machine recently, I answered <https://forum.onefinitycnc.com/t/1st-post-size-matters-and-vertic...>

Revolution Rotary Ideas

Nov 2024 - Hey @Borgorl , hey @hinro133 , hey all, hinro133: Borgorl: 've always wanted to make a guitar. I'm sure it could do the guitar neck You don't need a ro...

Customized firmware

Oct 2023 - Hey Dave, the secret is here →

<https://forum.onefinitycnc.com/search> bbserial @Aiph5u In detail <https://forum.onefinitycnc.com/t/what-is-the-1f-future-...>

Touch Display AND Controller video output stopped working

Mar 2023 - Hey DocShay, my (rather long) experience with Raspberry Pis is that they are not as robust as one may think. I had the HDMI output suddenly fail, while...

Machine is choppy when cutting a circle clockwise but not CClockwise

Nov 2024 - Hey KnotAproblem, do you mean the direction of the spindle? Or the direction of the toolpath when milling a circle? Milling bits have flutes in one dir...

Has 1F thought about selling spacer blocks?

Nov 2024 - Hey all, I think

<https://forum.onefinitycnc.com/t/masso-g3-atc-build-update-table-y-rail-shields-touch-monitor-iso20-tool-rack-and-raised-y-rails/13190...>

Interested in the 1.5kw for my woodworker - What's the benefit?

Nov 2024 - Hey JP_36, JP_36: What's the benefit of the spindle? <https://forum.onefinitycnc.com/t/incorrect-or-missing-data-on-cheap-chinese-vfds-and-spindles/1890...>

☒ **Connecting a makita router to onefinity pro series with relay control**

Nov 2024 - Hey Thomas, you don't forcibly need a breakout board adapter, but it is what you want if you don't want to solder a connector. It has screw terminals a...

☒ **Rotary on Elite**

Oct 2023 - Hey Adam, adamfenn28: With my 3Nm, which draws up to 4A, I'd need to replace the 2A fuse with a 4A fuse and I may need a bigger/additional power supply...

☒ **Closed loop upgrade with BB controller**

Oct 2023 - Hey Jeremiah, Jeremiah7191: wondering if the DB15 breakout connector would allow me to upgrade the steppers on my X50 woodworker with a BB controller t...

WiFi Connection Problem

Jul 2022 - Hey stringtheory63, the WiFi problem is a known problem, unfortunately the Raspberri Pi designers provided no pin for an external antenna and a metal c...

What spindle VFD to choose

Nov 2024 - Hey Jason, there is a lot of info on your topic in this forum. Please use the search function. It is not really difficult if you know how to read the V...

☑ Dust Collection on same circuit at VFD?

Nov 2024 - Hey Dave, the most important accessory for a VFD is its matching EMI filter. Omron_MX2_Manual__2-2_Basic_System_Description_P028_PDF054 <https://forum.o...>

Changing the home positing to back left

Nov 2024 - Hey Allan, what you can do is to <https://forum.onefinitycnc.com/t/x-50-mounted-vertical-y-axis-position-holding-issue/25020/10> reassign and/or reverse...

XZY probe - vertical mount

Nov 2024 - Hey Patrick, if one has a pneumatic clamping system, I had the idea that one could make the XYZ probe a probe that adheres to the surface of the workpi...

VFD Settings Getting Corrupted

Nov 2024 - Hey www, the unreliability of Huanyang VFDs is known. If you read the cnc forums, you find often that they fail and no one knows why. And get replaced....

Time Line and cost for ATC

Jul 2023 - Hey Carl and Lynn, I would also be very interested in seeing the result of the mount they make for attaching a CNCDepot spindle! Hope you will introduc...

Get information over API - home assistant dashboard

Aug 2023 - Hey wanoo, Onefinity one day for their machine forked some version of the <http://Buildbotics.com> Buildbotics.com controller and as far as I have seen,...

☑ Introducing The Z-20 Heavy-Duty Z-Slider (November 2022)

Dec 2022 - Hey Tom @TMToronto , hey Atroz, hey all, I found it rather disappointing that when they finally released something new now from the Z assembly departme...

☑ Stl datei bearbeiten

Nov 2024 - Hey Zetteboy1234, by loading the stl file into your CAD/CAM software and then creating a cnc machine or a 3D print toolpath. The g-code toolpath is the...

Aw Snap, something went wrong

Jan 2022 - Hey Ben, NeverwinterWood: This only happens to the display connected to the controller. I can still use my phone and computer to view the web interface...

Vector resizing-recalculating isn't adjusting

Nov 2024 - Hey Zetteboy1234, x-post: this is a duplicate of [#29179](https://forum.onefinitycnc.com/t/change-tool-and-attach/29179) . Please don't post the same issu...

Change tool and attach

Nov 2024 - Hey Zetteboy1234, the Onefinity test file contains a probe command at the start
<https://forum.onefinitycnc.com/t/team-onefinity-test-carve-file/5840> se...

Footprint of Journeyman Elite 48x48 Inch

Nov 2024 - Hey Graham this is a very frequently asked (and frequently answered) question. Please use the search function of this forum to find an <https://forum.on...>

UK Shipping and other things

Nov 2024 - Hey Graham, can't tell about UK but got one to Germany. DHL Express took 1 week. Before it arrived, I got an e-Mail from DHL telling me to pay the impo...

Vfd will not run any faster than 7200rpm even when set to 18,000rpm

Oct 2024 - Hey Keith, it is useful to <https://bulkman3d.com/wp-content/uploads/2019/01/HY01D523B-VFD-Manual.pdf> Read the Fine Manual Use the search function of th...

Cutting the machine bed

Oct 2024 - Hey Brent, if you do this with a g-code toolpath, you will always have a portion around that you don't reach, because the CAD/CAM software will take th...

"Help" my x-50 will not turn on

Jul 2024 - Hey William, there have been reports with failing contacts on screw terminals / on their wire ferrules between the internal Meanwell Power Supply and t...

☑ Onefinity foot bolt size / table / anti-torsion box

Oct 2024 - Hey Mike, <https://forum.onefinitycnc.com/t/swelling-issues-table/17642/12> Swelling issues, Table with the Onefinity machine, for attaching the feet, yo...

☑ Bits coming loose

Oct 2024 - There are other sizes available here: 12:24PM - 22 March 2022 <https://elairecorp.com/makitaroutercollets/> Elaire Corp – 22 Mar 22 <https://elairecorp.co...>

2 Makitas in a row that run hot...is this the new norm?

Jun 2023 - Hey Glenn, I don't know if you have a batch that is faulty, but you probably know that according to the <https://cdn.makitatools.com/apps/cms/doc/prod/R...>

✅ **Hitachi WJ200/Omron MX2 wiring to Masso GX12 6-pin connector**

Jun 2023 - Hey Brenden, what do you mean with GX16 input?

Macro for zeroing X, Y and Z

Oct 2024 - Hey Lars, you move to the desired X Y Z coordinate with a G0 command. Prepend G90 G53 to your G0 command in the same line to make sure that you move in...

23 gauge pin nails

Oct 2023 - Hey all, Onefinity says <https://youtu.be/rJXG1df09w4> in this video that unlike screws, which they recommend to countersink at least half the depth of t...

✅ **What are these threaded holes for?**

Oct 2024 - Hey Captain, the grub screws inside hold the <https://www.onefinitycnc.com/product-page/50mm-x-rail-linear-bearing> linear bearings in place.

Changing position of work origin

Oct 2024 - Hey John, hey @jk3256 joe, John: MDI... "G0 X5." then add G92 X0 to make the new position your new X work origin. Or G92 X0Y0 for x and y at same time. S...

✅ **Anyone using the Vevor CW3000 water chiller for their water cooled spindle?**

Dec 2022 - Hey Alan, hey Atroz, hey all, these nice toolless hose connectors on <https://www.spindel-shop.de/en/High-Frequency-Spindle-standard-Series/High-Frequen...>

QCW Parallelogram

Oct 2024 - Hey Jim, I had a look at you video. Really annoying, but the problem is created by the machine on which these parts were machined. So they may be all o...

✅ **Buildbotics controller not powering up**

Aug 2024 - Hey ksw, you could try to see with a multimeter if the Meanwell power supply has its AC input power. If so, you could check if the power supply deliver...

Let's move the Masso!

Oct 2024 - Hey Barry, see also →

<https://forum.onewfinitycnc.com/t/will-this-monitor-work-with-my-journeyman/20483/3> here EDIT: sorry, link is more for the Pro/Ori...

You Asked, We Listened: Onewfinity CNC 48" Foreman Y Rail Upgrades Now Available!

Oct 2024 - Hey Steve, hey Tom, hey all, at least you can always saw something off, but you can't saw anything onto it

**✅ Router diameter**

Oct 2023 - Hey Don, hey all, this diameter, 65 mm on <https://www.makita.de/product/rt0702c.html> Makita RT0702C, 68 mm on <https://www.dewalt.com/product/dwp611/1-...>

Mag Switch For HY VFD?

Oct 2024 - Hey John, a magnetic contactor in the supply line of a VFD is recommended, because it prevents the VFD coming up in spindle RUN mode after a power outa...

Issues with .nc file transfer from vcarve pro to masso

Sep 2024 - Hey Rich, in your CAM software, you got to use the → <https://forum.onewfinitycnc.com/t/what-is-a-post-processor-what-does-it-do-and-why-do-i-need-one-sp...>

Onewfinity Stockists in the UK or Europe

Dec 2023 - Hey Harry,
<https://forum.onewfinitycnc.com/t/official-onewfinity-cnc-elite-series-assembly-video-elite-foreman-journeyman-woodworker-faq/19311/3> as you c...

✅ Z axis cutting above my material

Dec 2023 - Good morning Krisk, Krisk: Once i successfully zero in the new Z with the marble bit, i then return the machine back to the XY position and begin my cu...

Makita Router not reaching spoilboard On Elite Journeyman

Sep 2024 - Hey Tim, Timrf79: The Makita Router (in the lowest setting on the Z slider) is not reaching the 3/4" Spoil board when fully lowered and the flattening...

Some incorporate a vertical clamping surface with their tables. What do they use it for?

Sep 2024 - Hey Charles, you use the <https://forum.onefinitycnc.com/search> vertical clamping system to mill joints on vertical pieces, e.g. dovetail joints on draw...

Torsion box question

Sep 2024 - Hey Duncan, rtfm: It would be far simpler, and probably more rigid, to fill the internal space with foam sheets. This is how many aircraft wings are co...

✅ Onefinity CNC connected to Openbuilds controller

Sep 2024 - Hey johnny22, in principle you can run a Onefinity Chassis on any CNC controller. Ordering such a chassis without CNC controller is a selectable option...

Winter storage of Elite CNC

Sep 2024 - Hey Vern, what can be critical is a rapid temperature change. If you bring a cold electronic component into the warm too quickly, the humidity inside c...

Soft alarm on Y-axis

Sep 2024 - Hey Gijs, there are already many postings about this topic. Please use the search function of this forum (search for <https://forum.onefinitycnc.com/sea...>

Error with xy position

Sep 2024 - Hey Lee, <https://forum.onefinitycnc.com/t/z-axis-greater-than-soft-limit-of-0/27529/5> Z Axis greater than soft limit of 0 <https://forum.onefinitycnc.co...>

Spindle change 1.5 KW to a 2.2kw motor

Jan 2022 - Hey Dave, now this looks nice! Did you have problems to loose the two set screws as <https://forum.onefinitycnc.com/t/swapping-the-spindle-mount/9006> me...

Carpentopod (inspiration)

Sep 2024 - Hey all, inspiration for the weekend (found on Duglotz): The Carpentopod table being put to use!

<https://www.youtube.com/watch> The Carpentopod table be...

CNC do unplanned cuts

Sep 2024 - Hey Frank, yes this does help. You are using the <https://buildbotics.com> buildbotics -derived Onefinity CNC Controller on the Original or the PRO Serie...

☑ Carveco multiple tools in toolpath

Sep 2024 - Hey Mike, on the <https://buildbotics.com>/ buildbotics -derived Onefinity Controller of the Original/X-50/PRO Series, G-code files with multiple tools i...

Machine hangs after running last 2 files

Sep 2024 - Hey Tony, ynot: GO Z10 GO XO YO G4 P0.1 I assume these "O"s should in fact be zeros ("0"): GO Z10 GO XO YO G4 P0.1 <https://linuxcnc.org/docs/html/gcode...>

Web Interface - Failure to Load

Sep 2024 - Hey RogueMachinist, RogueMachinist: Will the BB controller default to some ip if dhcp lease fails? The <https://buildbotics.com> buildbotics -derived One...

☑ Carveco says Onefinity with BB doesn't support tool change

Aug 2024 - Hey Chris, the buildbotics-derived Onefinity Controller DOES support tool change, however the code in the stock configuration does not work. You may us...

Tool Setter HOW TO!

May 2023 - Hey Tom, hey Chris @ChrisS , hey Pat @PezWoodworks , hey Derek @WaywardWoodworker , hey all, TMToronto: I am still debating whether to add the over tra...

Powering Down Machine

Sep 2024 - Hey RichD, this is a frequently asked (and frequently answered) question. Please use the search function of this forum. <https://forum.onefinitycnc.com/>...

VFD not starting spindle on VFD run button

Sep 2024 - Hey Stephan, the best thing is always to read the fine manual. You should find all parameters there. Note that H100 and V70 are practically identical....

QCW Mounting and use Questions

Apr 2024 - Hey Doug, the advantage of the QCW frame is that it includes the Any Surface Leveling Feet which allows to adjust coplanarity of the machine. If you bo...

MDI - more than one line of Gcode at a time?

Nov 2021 - Hey Alan, Alphonse: I have tried all sorts of things from semicolons to Alt Return to me I would instinctively have tried "\n" :slight_smil...

Touch Probe and V-Bit

Sep 2024 - Hey Mark,
<https://forum.onefinitycnc.com/t/cutter-head-size/19785/6>
Cutter head size <https://www.youtube.com/watch>
Onefinity_Support_Video__You_cant_pr...

☑ Triquetra vs. Onefinity Touch probe

Sep 2024 - Hey Gerald, you already found the <https://forum.onefinitycnc.com/t/replacement-curly-cable/14837/7> answer 😊

Step 1. What software?

Sep 2024 - Hey Jayjenks, Jayjenks: What is the top software to use? This is a frequently asked (and frequently answered) question. Please use the search function...

☑ Woodworker 35 left side dragging

Sep 2024 - Hey Tim, have you ensured your machine is already <https://forum.onefinitycnc.com/t/what-do-i-do-first/18349/6> adjusted for rectangularity and coplanari...

Sanding disc CNC dangers?

Sep 2024 - Hey Steve, I nearly lost the ability of playing guitar when using such a disc on a motor with no gear (1:1, angle grinder). Sanding disc plunged deeply...

Masso G3 ATC build update - motorized dust shoe, braking motor, reconfigured tool rack, and more

Dec 2023 - Hey Tom, hey all, TMToronto: The one I am contemplating is similar to Datron's Clean Cut system - [https://www.youtube.com/watch & v=KqUzgsGd9dU](https://www.youtube.com/watch?v=KqUzgsGd9dU) this is...

Rotary on QCW Frame

Sep 2024 - I would only choose "Secure from beneath" if you want to do this: <https://forum.onefinitycnc.com/t/qcw-secure-from-above-or-from-below/19818/2> QCW secu...

CNC bit Diving into Work with no issues on Fusion (solved emi)

Aug 2024 - Hey Steve, sounds like the <https://forum.onefinitycnc.com/search?q=plunge> issue . Search the forum for <https://forum.onefinitycnc.com/search?q=plunge> i...

220V 2.2kW mating spindle connector

Sep 2024 - Hey Russel, <https://forum.onefinitycnc.com/t/where-to-get-spindle-cable/20099> Where to get Spindle Cable

Error code on my 3rd tiling piece

Sep 2024 - Hey Billie Jo, surely a zeroing/probing error. Where is the workpiece zero in your 3D model, and where did you probe it on the real workpiece? Both mus...

Suck It Pro reviews

Aug 2024 - Hey Sdrager, I always like the dust boots Rex make: <https://forum.onefinitycnc.com/t/dust-boot-bake-off/26034/26> Dust boot bake off

✅ 80mm spindle mount issue (solved in comments)

Aug 2024 - Hey Jeremiah, hey Jim, this can be set in ADMIN → General Settings → Configuration in the Controller.

Controller Fan Still Running when unit is UNPLUGGED!?

Aug 2024 - Hey Greg, it is known that the unit can be backedf from the USB touch monitor through the USB ports. The current the monitor provides is not enough to...

Is your router frame a parallelogram? Mine was!

Jul 2021 - Hey, where is the diagonal mentioned? The <https://www.youtube.com/watch> Official Onefinity CNC Assembly Video does mention no diagonal, it just fixes t...

Masso SC5/SC7 no voltage

Aug 2024 - Hey Shane, an <https://en.wikipedia.org/wiki/Opto-isolator> optocoupler by itself is no source of voltage, it is like a electronically controlled switch....

Surfacing Bit Recommendations?

Aug 2024 - Hey Roadracer1,
<https://forum.onefinitycnc.com/t/wasteboard-too-short/22863/11> Wasteboard too short?
<https://forum.onefinitycnc.com/t/surfacing-bit-can...>

☑ QCW right choice?

Jul 2024 - Hey Robert,
<https://forum.onefinitycnc.com/t/question-about-wasteboard-size/23410/7> Question about Wasteboard Size Note that when you use the QCW frame...

☑ Pro woodworker wall mounted X axis falls during probing

Aug 2024 - Hey Merrick, are you trying to home with stall homing method against gravity? This will not work. You got to reassign the axes in order to have home on...

☑ Y rail gantry clearance from table top

Apr 2023 - Hey Brian, because the Journeyman has the 35 mm rails on Y, while the Foreman has the 50 mm rails on Y (
<https://forum.onefinitycnc.com/t/differences-b...>

Z keeps Dropping

Aug 2024 - Hey all, by the way the
<https://forum.onefinitycnc.com/t/onefinity-elite-masso-motor->

Search results for '@CommunityUser5' - Onefinity CNC Forum
 specs-faq/18787 motors of the Elite Series are not
<https://en.wiki...>

✅ Anyone with a big dust collector hook up that 4" (or greater) to the 1F?

Jul 2022 - Hey Max, ONTB: I posted this in another forum but I think it's worth repeating. you mean in the same forum ,
<https://forum.onefinitycnc.com/t/dust-coll...>

Upgrade monitor

Jul 2024 - Hey Ron, see →
<https://forum.onefinitycnc.com/t/will-this-monitor-work-with-my-journeyman/20483/3> here . See also
<https://forum.onefinitycnc.com/t/conf...>

Start Your CNC Business with a Onefinity Elite Journeyman

Oct 2023 - Hey all, <https://forum.onefinitycnc.com/t/got-sucked-into-the-hype-damn-reality-check-for-everyone/21026/4> Got sucked into the hype, Damn. Reality Chec...

🔧 Tool Enable - M15 - IOT Relay - & Breakout board (auto turn off/on router)

Jun 2022 - Hey Bob, additionally to 'tool-enable' (pin 15) which is controlled with
<https://linuxcnc.org/docs/html/gcode/m-code.html#mcode:m3-m4-m5> M3/M4/M5 , the...

✅ Onefinity sample code - why M7?

Aug 2024 - Hey Chris,
<https://linuxcnc.org/docs/html/gcode/m-code.html#mcode:m7-m8-m9> M7 (turn workpiece mist coolant on) usually this is for turning on <https://e...>

Chipload Feedrate mm/min question

Aug 2024 - Hey Patrick, hey Rob, hey Woodpecker, hey all, F: Set Feed Rate Fx - set the feed rate to x . x is usually in machine units (inches or millimeters) per...

What features would you like to see in 2024?

Dec 2023 - Hey OnefinityCNC, what is still missing is... being able to use what many consider as
<https://forum.onefinitycnc.com/t/introducing-the-new-onefinity-elit...>

Why ***not*** Fusion 360?

Jul 2024 - Hey Wildmakers, hey all, Fusion is said to have constantly features being changed, removed or moved into paid version for the shareware version (Fusion...

QCW frame and touch probe

Aug 2024 - Hey Don, you may be interested in reading → <https://forum.onefinitycnc.com/t/replacement-curly-cable/14837/7> this . You closed the contact by using the...

Buildbotics - Absolute Coordinates lost in Portrait Orientation (solved, user created issue)

Aug 2024 - Hey RedstoneCNC, usually, you can resize the web browser output size by pressing < Ctrl > - < - > and < Ctrl > - < + > until it fits. RedstoneCNC: A qu...

Shop Vac with Rolling, Folding Table - help?

Aug 2024 - Hey Dave, <https://forum.onefinitycnc.com/t/is-use-without-dust-collection-ok/14472/2> Is use without dust collection OK? <https://forum.onefinitycnc.com/...>

☒ Set workpiece zero to machine bed (=to vacuum table, trying to save vacuum table)

Jul 2024 - Hey gander, gander: The bottom line is I want to try and insure that my vacuum board never gets cut, if possible. It'd be more traumatic than swapping...

Foreman Elite Power Requirement

Jul 2024 - Hey Mark, MarkL: I am using a spindle with a 220V VFD so the spindle does not draw any power from the Onefiniity power supply. I don't think it makes s...

Z-Axis Troubleshooting

Jul 2024 - Hey SgtSilverBack,
<https://forum.onefinitycnc.com/t/z-axis-moving-unexpectedly-cutting-too-shallow-or-too-deep/14829> Z Axis Moving Unexpectedly (Cuttin...

✅ **Micro-tramming Adjustment?**

Jul 2023 - Hey Adam, the tramming front to back of the Z assembly can be done either this way:
<https://forum.onefinitycnc.com/t/tramming-front-to-back/8421> Trammi...

Adding M3 and M6 commands to exported Easel code (solved)

Jul 2024 - Hey Chris, This feature was deployed April 24th, a week early! You now can select "manual" or "automatic" spindle control from the "Machine" menu and i...

I'm going shopping, help me spend!

Jul 2024 - Hey Keith, this is a frequently asked (and answered) question, see
<https://forum.onefinitycnc.com/search> what do I need .
KeithP: I'm looking at the In...

✅ **Error - X axis < machine**

Jul 2024 - Hey ksw, look, the total workarea width of the machine here according to the error message is 816 mm, which means X can move from 0 to 816 mm (0 to 32....

✅ **Constant disconnect of usb drive (Masso) (solved see faq)**

Aug 2023 - Hey Marcel, everytime I have a USB drive that is not recognized stably somewhere, I first look into the syslog for status messages if possible I put a...

Masso Screen Protector

Apr 2023 - Hey Ed, there is
<https://docs.massoscreen.com.au/wiring-and-setup/setup-and-calibration/mounting-and-mechanical-data> this drawing here .
The dimension of the...

50mm rails for Elite Journeyman

Jul 2024 - Hey all, it's a question of length and number. The Woodworker and Journeyman Y rails are 800 mm long, and there are two of them , so 35 mm rails are st...

Control box 220v

Jul 2024 - Hey Rich, no, the spindle is not powered by the Onefinity power supply, but by its https://en.wikipedia.org/wiki/Variable-frequency_drive VFD . It is t...

Foreman QCW/Frame experience after assembly (good/bad)

Apr 2023 - Hey Ed, thank you for your report. The experience and the conclusions you made reaffirms for me the impression that buying the <https://www.onefinitycnc...>

5V for MPG pendant

Jul 2024 - Hey Calgary, CalgaryD: The USB 2.0 specifications allows up to 500 mA of current from a single USB port. yes, but a USB port is configured by the drive...

Any experience purchasing from spindel-shop.de?

Jul 2024 - Hey Pavel, <https://spindel-shop.de/en>
<https://spindel-shop.de> is the official shop of <https://mechatron-gmbh.de> Mechatron GmbH, Germany . I bought my s...

Spindle timed out after job completed

Jul 2024 - Hey Sylthecru, if it worked before, I would have a look at the cable and the wire ferrules at its end.

Is there a reason not to go Masso

May 2024 - Hey Mike, here are a few considerations:
<https://forum.onefinitycnc.com/t/buildbotics-vs-masso-controller-solved-answer-in-another-faq/23015/10> What th...

Spoilboard not flat after flattening?

Jul 2024 - Hey BPSWoodworks,
<https://forum.onefinitycnc.com/t/question-on-leveling-table/27824/2> Question on leveling table a gantry-type CNC machine can be twist...

✅ Y Axis Motor - Distance Per Revolution

Jul 2024 - Hey Marty, the X-35/X-50 have nothing to do with Elite vs. PRO Series. The Elite Series have the same hardware as the PRO/former X-50 Series. The diffe...

Tiling problem!

Jun 2024 - Hey Raykocj3420, have you checked that your machine is <https://forum.onefinitycnc.com/t/what-do-i-do-first/18349/6> rectangular ("squared") (bar gauge...

Wire size for 220 spindle

Jul 2024 - Hey Kenneth, it depends on what cable do you mean, the VFD input cable on a single-phase input VFD has usually much stronger cross-section area, while...

2.2kw spindle with 110v

Jul 2024 - Hey Kenneth, people seem to buy those nonetheless but these are usually chinese crap. VFDs with only stupid V/f control but no vector control, that's s...

110v 2.2kw spindle are you running one?

Jul 2024 - This is a duplicate of [#27883](https://forum.onefinitycnc.com/t/2-2kw-spindle-with-110v/27883)

Page numbers in manual?

Jul 2024 - Hey John, no one really uses Adobe pdf readers. What about <https://en.wikipedia.org/wiki/Xpdf> xpdf , <https://en.wikipedia.org/wiki/Evince> evince or htt...

Utility of 1F in the shop

Jul 2024 - Hey Tony, where were these airplane propellers used?

Question on leveling table

Jul 2024 - Hey John, a gantry-type CNC machine can be twisted. This is usually the case after setting it up. In this case all your workpieces, including the flatt...

MASSO switch work offset G54 to G59?

Jul 2024 - Hey Patrik, the different set of coordinate systems and all of the g-code language was created when CNC operators wrote their programs in g-code. G55ff...

Spindle not responding to potentiometer

Jul 2024 - Hey Jeremiah, you have to short 2-3 on Jumper J1 for onboard potentiometer and 1-2 on Jumper J1 for externally connected potentiometer. The latter is f...

Elite to fit on workbench

Jul 2024 - Hey Curt, usually Onefinity will tell you that a different sized machine requires different packaging, different workflow etc. and that they will offer...

Chip Carving with a V-bit

Jul 2024 - Hey Mike, with wood, the problem is the evacuation of heat. Therefore for wood, you mill with both high torque and high speed. A 24,000 rpm spindle wou...

✅ Please help- Shattered Monitor- tight deadline

Jun 2024 - Hey Liv, you can use an ethernet cable and benefit from the automatically available
https://en.wikipedia.org/wiki/Zero-configuration_networking
Zero-co...

✅ Jitter issue - jagged circle

Jul 2024 - Hey Jonathan, you can buy them here:
<https://www.omc-stepperonline.com/search> coupler

My spindle won't turn on?

Jul 2024 - Hey Jesse, if you enter "S12000 M3" into the Manual Data Interface (<https://docs.massocnc.com.au/getting-started-guides/machining-with-massocnc/keyboards-and...>

✅ Easy tool setter help

Jul 2024 - Hey Scott, may be you have
<https://forum.onefinitycnc.com/t/wasteboard-too-short/22863/11> this issue (see also
<https://forum.onefinitycnc.com/t/surfaci...>

Spindle coolant pulses alarm

Jan 2024 - Hey buzzfab, good suggestion. Having a sensor that detects spindle coolant flow is important. If you just have a dumb flow indicator you have to look a...

✅ Cuts are 'stretched' along X axis

Jul 2024 - Hey Logan, Chris is right, you should choose the correct machine model on the ADMIN Page > General > Configuration > Reset. <https://forum.onefinitycnc....>

M50 and M51 gcodes - Feature request

Jul 2024 - Hey PNW_Restoration, why don't you post this in the category " <https://forum.onefinitycnc.com/c/feature-requests/15> Feature Requests "? <https://forum.o...>

Adobe Competitor for Mac vector software

Jul 2024 - Hey Robert, hey all, <https://www.freecad.org/> FreeCAD , <https://www.blender.org/> Blender and <https://inkscape.org/> Inkscape are very evolved software p...

Shaper Studio Software with 1F

Jul 2024 - Hey Emanuel, with <https://freecad.org> FreeCAD , which is a free and open source software, you can make sketches, technical drawings, 3D parts and final...

Personal computer or dedicated computer

Apr 2024 - Hey Paul, since the Onefinity CNC is a stand-alone CNC that already includes a computer, you don't need a computer to run it. However to model 3D in a...

Water-cooled spindle coolant solution

Sep 2023 - Hey Don, what my spindle manufacturer instructs. My spindle manual says: The coolant used must be a special coolant that provides corrosion protection...

☒ Laser pointer on with Masso

Jul 2024 - Hey Loopback77, Loopback77: I'm an electrical dummy, but I wonder if it's possible to use the 36VDC from the Onefinity power supply with a resistor to...

How to manually set the z axis

Jul 2024 - Hey William, driving Z to "1" inch is not possible since Z travel goes from 0 to -133 mm (0 to -166 mm with Z-20 "heavy" slider). I assume you mean 1 i...

Static electricity issues

Nov 2023 - Hey Scott, static electricity was discussed in this thread and disappeared after having properly grounded the machine: <https://forum.onefinitycnc.com/t...>

W.I.P. CNC Table Design

Jan 2022 - Hey Bob, wanted to send you a message, do you have "Do not Disturb" flag on?

Beall Wood Threader

Jan 2024 - Hey William, such thread tools are available at every CNC supplier, e.g. here in my country: <https://www.sorotec.de/shop/Cutting-Tools/Firstattec/thre...>

Other router options other than Makita

Feb 2024 - Hey Ken, we have a search function here. You may have found that the only options currently possible with the Onefinity are 65 mm routers (so the Dewal...

FreeCAD Path Workbench / Post Processor

Aug 2023 - Hey Bill, hey Michael, hey all, Machinist: Generally speaking, machines that use sq. linear rails are built using custom end & side plates and off-the-...

Surfacing bit can't reach 3/4" wasteboard

Jun 2024 - Hey mikes, this comes up from time to time, see here: <https://forum.onefinitycnc.com/t/wasteboard-too-short/22863/11> Wasteboard too short?

☑ BB controller won't reset Estop button

Jun 2024 - Hey ksw, ksw9407: I have tried that but it when I try to depress the button and twist the button won't stay engaged if you press the mushroom-shaped re...

Controller Software Tool Change Location 0,0 G54, G55, G56

Jan 2022 - Hey Andy, Bill uses <http://www.ddcnc.com/> DDCCS V3.1 (<http://www.ddcnc.com/> Manual)

BB 1.4 update - Unable to stop spindle rotation unless pressing Estop

Jun 2024 - Hey Mike, the G-code that the Buildbotics Controller uses... <https://forum.onefinitycnc.com/t/when-free-software-is-not-free/19844/37> When Free Software...

Hopefully different Newbie Questions

Jun 2024 - Hey Daniel, qmagic101: Looking at upgrade paths for the Elite, looks like there are none. Is this correct? no, <https://forum.onefinitycnc.com/search> if...

Toolpath files not recognized by network or USB

Jun 2024 - Hey Mike, <https://forum.onefinitycnc.com/t/new-machine-having-trouble-loading-first-program-from-flash-drive/18670/2> New machine having trouble loading...

☑ Journeyman wire management

Jan 2022 - Hey Greg, GregoryG: I must ask another question if I may I use the same exact drag chain setup as muddy feet did In the Has anyone else considered dr...

My Squaring Adventure

Jun 2024 - Hey John, now that you are satisfied with rectangularity (machine being "squared"), you can proceed to <https://forum.onefinitycnc.com/t/what-do-i-do-fi...>

Z Motor Brake Not Activating

Jun 2024 - Hey Loren, did you <https://www.youtube.com/watch> install correctly the <https://www.onefinitycnc.com/product-page/elite-z-20-anti-drop-closed-loop-stepp...>

Can we enjoy with the OF when one is a European woodworker or machinist?

Jan 2023 - Hey Dreyau, are you more interested in discussing in French or just to know what the import costs are to the EU? I live in Germany and since the machin...

Introducing the Elite Z-20 Motor Brake | Announcements

Nov 2023 - Hey OnefinityCNC, in the datasheet of a stepper driver that supports motors with brake , I can find the conditions in which one would want the brake to...

I am unable to bring up the I.P addresses on my computer. Any solutions?

Jun 2024 - Hey Ron, you provide not enough information. Are you using the buildbotics-derived Onefinity Controller on the PRO/Original/X-50 Series? If so, what do...

Z Axis greater than soft limit of 0

Jun 2024 - Hey JonnyDex,
<https://forum.onefinitycnc.com/t/continually-getting-an-x-under-error-any-help-to-fix-greatly-appreciated/21376/2>
Continually getting an...

✅ Guidance needed cutting 48" on Journeyman

Jun 2024 - Hey JonnyDex, if you use a g-code toolpath created by a CAD/CAM software, and you have entered the correct limits of your machine, and the correct bit...

Two stepper motors on one driver

Jul 2022 - Hey Bruce, the following citation applies to Buildbotics Controller V1.0 and since Onefinity CNC Controller is a hardware fork of Buildbotics Controlle...

Upgrading to 3 HP air cooled spindle

Jun 2024 - Hey William, if your display connected to the Onefinity Controller goes black, it is probable that
https://en.wikipedia.org/wiki/Electromagnetic_interf...

Easy to remove?

Jun 2024 - Hey John, you can plug out the connectors but
<https://forum.onefinitycnc.com/t/cable-connectors-used-on-the-onefinity-all-machines/1886> the Molex or Am...

✅ Q.C. approved piece looks kinda janky

Jun 2024 - Hey Joshua, I would do the initial squaring and adjusting coplanarity, tramming and surfacing of the machine and then with your favourite CAD/CAM softw...

Homing sensors for build botics

Jun 2024 - Hey Troy, ahandeman: Is there a way to use Masso's homing sensors with the buildbotics controller. not Masso's, but better ones. The buildbotics-derive...

How to change machine cutting area specs

Jun 2024 - Hey Lynn, Lynn66: One easy way. If you just need it to surface tour wasre board. Lie to the machine. Put a smaller diameter tool size into the program....

✅ Z-20 upgrade issues/error

Oct 2023 - Hey Makermatt, this is an error in your g-code. You cannot execute https://linuxcnc.org/docs/html/gcode/g-code.html#_g1_linear_move G1 (Linear Move) wi...

Home is not working correctly

Feb 2023 - Hey Tim, stall homing works <https://forum.onefinitycnc.com/t/how-common-are-missed-steps/18352/8> this way . That means, as soon as something blocks the...

Bent rail for dust boot holder

May 2024 - Hey Gilbee, in no case I would tap with a hammer while the part is in place. You may damage the linear bearings of the machine. If the part is deformed...

Drilling through QCW spoilboard to make dog holes?

Jan 2022 - Hey Randy, hey Bob, hey all, On my <http://www.veritastools.com/Products/Page.aspx> Veritas Worksurface , since many years I use these <http://www.veritas...>

Stepper motor setting help

May 2023 - Hey Troy, ahandeman: I understand the whole power off the spindle drops problem and wish there was a work around a workaround would be <https://forum.on...>

Advice from experienced (or learning) software users

Apr 2023 - Hey Jason, just as a side note, regarding 3D modeling and designing... <https://forum.onefinitycnc.com/t/trying-to-decide-on-elite-vs-x50-series-before-i-...>

ChatGPT can write g-code

May 2024 - Hey quesohusker, I ask myself when will these useless ChatGPT posts stop. You are right, it would not be

Z axis upgrade?

Jun 2024 - Hey Jeremiah, this has been a topic many times here. Search for " <https://forum.onefinitycnc.com/search> Universal Z axis " and " <https://forum.onefinit...>

☑ Hard wiring the XYZ Touch Probe cable?

Jun 2024 - Hey Stefan,
<https://forum.onefinitycnc.com/t/replacement-curly-cable/14837/7> Why with a spindle, you don't need the touch plate's magnet end anymore Se...

Program to Physically Copy Movement

Jun 2024 - Hey Steve, with a
<https://metager.org/meta/meta.ger3> touch probe digitizer you can sense different dimensions of a workpiece blank. The Masso supports...

Revisiting thread milling again

Jun 2024 - Hey MoarVoltz, you may find a lot of videos on "thread milling" at youtube. Here is the type of bit you need:
<https://www.sorotec.de/shop/Cutting-Tools...>

Pause during carve

Apr 2023 - Hey B., CNC4Fun: I appreciate this thread. It appears, regarding the controller and display that it is ok to pause for extended periods of time,. Just...

☑ Screen frozen cant click on anything

May 2024 - Hey Bradley, you posted this on the category "Original/PRO" so you have the buildbotics-derived Onefinity Controller? If so, you should check the touch...

Controller BB voltage

May 2024 - Hey Angel, most of the
<https://buildbotics.com/manual-v1-0/#25pinioport> 25-pin I/O port connector pins are directly connected to the AVR (
<https://www....>

X,Y,Z probe settings what is x, what is y

Jun 2024 - Hey Andreas, in a <https://forum.onefinitycnc.com/t/keeping-zero-position/14115/44> right-hand cartesian coordinate system as used in 3D CNC machines, wi...

Z setting for Tool Change

Sep 2022 - Hey Russel, yes, it's the 'max-soft-limit' setting of the Z motor. You can move your Z axis there with the g-code command <https://linuxcnc.org/docs/htm...>

Bit Noise, Amana XL bits and general advice needed

May 2024 - Hey Mitch, hey all, Mitch: For #2 , make separate tool paths for each bit. Somewhere in the forums I remember someone (probably @CommunityUser5 , he's...

Masso G3 Work Offset Selection

May 2024 - Hey Russel, these are work offset coordinate systems. By default the G54 system is active. If you program a second coordinate system by entering offset...

Homing Y-axis delta

May 2024 - Hey John, <https://forum.onefinitycnc.com/t/how-to-realign-the-y-rails-x35-x50-machines/16494> How to realign the Y rails (x35/x50 machines) <https://foru...>

Homing with the QCW Foreman - spindle is 3" past the spoil

May 2024 - Hey CherryvaleCarpentry, this is by design and has been described before. <https://forum.onefinitycnc.com/t/qcw-any-reason-to-not-have-surface-under-it-...>

Wood movement for cnc frame

May 2024 - Hey Paul, if you want to suppress the volume change of wood due to humidity fluctuations, there is a method in which the wood is completely saturated w...

Replacement part?

May 2024 - Hey tomsbackyardworkshop, I would write to <mailto:support@onefinitycnc.com> support@onefinitycnc.com and have your machine's order number at hand.

Sporadic drops in X

May 2024 - Hey John, hey Kenneth @cruser56 , have you grounded your chassis and all moving parts of the machine?
<https://forum.onefinitycnc.com/t/proper-grounding...>

Water pump motor plug and play?

May 2024 - Hey Stuart, if you run a spindle you forcibly run a https://en.wikipedia.org/wiki/Variable-frequency_drive VFD . And a spindle coolant pump is always c...

Spindle Coolant Disappearing

May 2024 - Hey chargedmr2, you have a little gnome in your system that lives of drinking ethylene glycol.

Strange file transfer Issue

May 2024 - Hey Steve, Onefinity is currently working on the unsatisfactory file management inherited from upstream <http://Buildbotics.com> Buildbotics.com sources....

Journeyman Table

Apr 2023 - Hey Jeff, it mainly depends on whether you want the table top to hold the machine with all protruding parts, or if you want the Onefinity Controller to...

Say Hello to my Little Friend

May 2024 - Hey Debra, looks like a young *tegenaria domestica*. Very useful animals in the household, eat harmful insects. You see them rarely wander around, usual...

Purge air: lessons learned

May 2024 - Hey David, hey all, just wanted to add that you can order the spindle you bought (I have the <https://www.spindel-shop.de/en/High-Frequency-Spindle-stan...>

Jump to line problems

May 2024 - Hey Peter, Peteman: I have the new z-motor brake. In theory, with a closed loop system it should know where the router is at all times. A closed-loop s...

44w on foreman elite

May 2024 - Hey Ianarkmilling, what you experience is a design flaw of the Z assemblies on all Onefinity machines:
<https://forum.onefinitycnc.com/t/wasteboard-too-...>

✅ **MASSO - run the same program twice**

May 2024 - Hey Jeffrey, Jack Black- Be Kind Rewind
<https://www.youtube.com/watch> Jack Black- Be Kind Rewind
Be kind – rewind 😊

Trying to decide on Elite vs X50 series before I buy

Jan 2023 - Hey Timplett, a thread that initiated that the other day here is this one: <https://forum.onefinitycnc.com/t/lets-talk-about-arcs-and-circles-buildbotic...>

Elite Homing Hitting Y Rail

May 2024 - Hey John,
<https://forum.onefinitycnc.com/t/80mm-mount-upper-z-limit/10692/2> 80mm mount upper Z limit
<https://forum.onefinitycnc.com/t/is-it-possible-to...>

Lapond HC800 Setup

May 2024 - Hey Gabriel, I'm not sure if I understand what you intend to do. The connection of the output of a VFD which drives a three-phase induction motor has n...

✅ **VCarves are consistently off**

May 2024 - Hey Mark, have you ensured that your machine is <https://forum.onefinitycnc.com/t/what-do-i-do-first/18349/6> rectangular ("squared") (bar gauge) and c...

Which 24 x 48 CNC?

May 2024 - Hey Bradley, bradleyheathhays: I believe a 24x48 size CNC would do well for bradleyheathhays: I'm definitely want to keep it under 1k, 5-800 if possibl...

Using Carbide Create?

Feb 2024 - Hey John,
<https://forum.onefinitycnc.com/t/wanting-to-learn/23902/9>
Wanting to learn <https://www.freecad.org/downloads.php>
FreeCAD for MacOS <https://ww...>

✅ **Determinants of quality routing results**

May 2024 - Hey Arthur, I think you can't tell this in general. All factors have an impact on the stiffness of the machine. Also there are much more factors. If yo...

Locking swivel casters on QCW?

May 2024 - Hey Wayne, I would only use swivel casters that can be lifted out of the way after moving the table so that the machine stands on its feet and never on...

✅ **Odd Z axis problem**

May 2024 - Hey cvcolomb, just to be sure, if it's your first ER collet, do you know that they are not mounted the same way as router collets? <https://youtu.be/WKi...>

✅ **Bit drags across material when XYZ probe for home**

May 2024 - Hey BJC, BJC: New Woodworker machine. You did not tell which machine you have. A "Woodworker" is available as Original, X-50 now PRO, and Elite Series....

Toolsetter question

May 2024 - Hey Bill, you know from my private e-mail that I have so much to do at the moment, however what you try to do is on my list for the buildbotics-derived...

✅ **Ball Screws on 1F Pro**

May 2024 - Hey Arthur, <https://forum.onefinitycnc.com/t/z-axis-screw-and-nut-sizes-x35/26383/3> Z axis ball screws <https://forum.onefinitycnc.com/t/ball-screw-ball...>

Design question

May 2024 - Hey Alan, With <https://www.vectric.com/products/vcarve-pro> Vectric VCarve Pro , you can export a g-code toolpath for a CNC machine including the Onefin...

Elite Upgrade: Notes for others

May 2024 - Hey Andy, So you went the Elite/Masso way too 😊 AndyP: i'd welcome ideas on how to protect the Masso I would put it away from this unsuita...

File transfer and simulation

May 2024 - Hey Kenneth, cruser56: I have a 21 monitor for my machine but cannot access my files from it nor can I see a simulation from it unless i use a differen...

Probe doesn't locate X or Y axis - Just stabs into project after locating Z

Jan 2024 - Hey Reagan, Reagan: I couldn't figure out how to attach the pics or the video. you can use the seventh icon (counted from left) which says "Upload" in...

☑ Wake on LAN support? (not supported)

May 2024 - Hey Ron, hey William @wpodonnell , LazyDawg: with the older rocker switch controllers it was as easy as buying a smart plug the newer push buttons will...

File transfer from controller

May 2024 - Hey Kenneth, the Onefinity CNC Controller user interface is a web page. You access it from the installed [https://en.wikipedia.org/wiki/Chromium_\(web_br...](https://en.wikipedia.org/wiki/Chromium_(web_br...)

Homing Estop issue

May 2024 - Hey Mark, daddyaddi: Why does the Estop come on when I home my Woodworker? do you mean on the buildbotics-derived Onefinity Controller on the PRO/X-50/...

Zeroing question

May 2024 - Hey Mark, you can use the [https://www.onefinitycnc.com/product-page/onefinity-3-axis-touch-probe XYZ Touch plate to zero X, Y and Z at the same time, o...](https://www.onefinitycnc.com/product-page/onefinity-3-axis-touch-probe-XYZ-Touch-plate-to-zero-X-Y-and-Z-at-the-same-time,o...)

Chat GPT only supports American CNC companies

May 2024 - Hey Arthur, everyone knows that machine-learning bots hallucinate and know nothing. I don't see the sense of posting this here. <https://forum.onefinity...>

New owner woodworker X 50

May 2024 - Hey Thriller, congratulations. Hope you will have fun with it.

Spoilboard flattening

May 2024 - Hey Thomas, Kevlar: Can I flatten the spoilboard by jogging the machine by hand with the pendant ? Or is there any real contreindication of doing so ?...

Pictures or video of the coplanarity fishing line test?

Feb 2024 - Hey Gil, by the way, if you want to send me a signal from inside a post, put an "@" sign (the <https://web.archive.org/web/20210629015441/http://openmap...>

Manual operation

Aug 2022 - Hey Trey, yes, you can enter <https://en.wikipedia.org/wiki/G-code> g-code commands one by one into the <https://buildbotics.com/manual-v1-0/#ControlPageM...>

Easiest software for a newbie

Apr 2024 - Hey Jeff, jsbm: I purchased one of the original machines 3 years ago and it's still in the original shipping boxes. Hopefully everything is fine when I...

Worth the Price? / Rotary Axis Setup

Aug 2022 - Hey DaBooBear, DaBooBear: I found below on the Vetric Forum. I would have liked to know who said that and where, but you forgot the <https://en.wikipedi...>

Calibrating X and Y axes using a USB endoscope camera and phone app with crosshair overlay

Apr 2024 - Hey Tom, hey @John , hey all, just as a side note, a human hair is 0.1 mm in diameter. A human red blood cell is 0.006 – 0.008 in mm diameter.

Touch Probe Connector

Apr 2024 - Hey Garry, ⚠ Never tin a wire end that you plan to use in a screw or clamping terminal, or into a https://en.wikipedia.org/wiki/Electric_wire_f...

G0 vs G92 g code

Apr 2024 - Hey Tony, ynot: When homed and at 0,0,0 have been entering G0 Z0 X123 Y321 then clicking on the little balloon shaped icon to zero the offset, (am alwa...

Surfacing all the way to the edge

Apr 2024 - Hey John, If you manually (with gamepad, jog pane or Manual pulse generator (mpg) pendant or with manual data interface (mdi) commands) go to the outer...

Display resolution hack?

Feb 2022 - Hey John, jnordyke: The official word from OF has always been that the monitor (their 10 inch in my case) must always be powered on before the controll...

☑ Machine has gotten jumpy (solved, loose motor coupling)

Apr 2024 - Hey Alex, 760woodworking: Ran same program 10+ times all of a sudden it starts getting jumpy and making bad parts. same hole 2.0 dia 2 times separate d...

Torsion box size

Apr 2024 - Hey Guy, this is a frequently asked (and frequently answered) question. <https://forum.onefinitycnc.com/t/elite-woodworker-table-size/19981/2> See here

Getting Homing error after installing the CNC for the first time

Dec 2023 - Hey Moosa, moosaes: On a separate but maybe related subject, I hear a humming noise from the Z Motor, when I hit the emergency Stop the homing noise go...

Vertical position / Wood dust in the Controller

Jan 2023 - Continuing the discussion from <https://forum.onefinitycnc.com/t/firmware-1-2-beta-new/17612/26> Firmware 1.2 Beta (New) : Hey tmuka, <https://forum.onefi...>

Probing without the magnet on an Elite?

Mar 2024 - Hey Alan, [quote="Aiph5u, post:22, topic:12331"]
Ground the machine in accordance with the regulations! The
machine in which the motor spindle is insta...

✅ How to reduce deceleration time of spindle

Jan 2024 - Hey all, the Modbus commands that a VFD
understands are listed and explained in the VFD manual in the
chapter on Modbus protocol. The spindle decelerat...

Static or Fixed Dust Boot Pros & Cons; Opinions and Experiences

Apr 2024 - Hey Jake, this dust boot
<https://www.youtube.com/watch> moves indepently . I find
@adamfenn28 's
<https://uglydogwoodshop.com/products/big-sck-dst-bt1> Bi...

Max Z Travel & Max Density Tool Racks

Apr 2024 - Hey Adam, you've been hard at work making
videos again! I like that you describe the increase of spindle
deflection when someone should slide the spind...

How do I start using 'work offsets'? step by step

Dec 2023 - Hey Nick, you did not say anything about machine
model, CNC controller, firmware version, involved
accessories. Setting an offset can be done by probin...

Homing on wall mounted machines

Apr 2024 - Hey burmy, hey Daniel @abrtéguy , burmy: Ya, I
just had to flip the whole thing 180 degrees. This is because
<https://forum.onefinitycnc.com/t/stepper-m...>

Log Out of Forum

Apr 2024 - Hey Broken-Bit, click on your icon on the upper
right corner of the display. Then click on the "person" icon.
Then the last item is "Log Out".

Ability To Stop Machine Remotely

Apr 2024 - Hey warnersmith, hey all, on the <https://buildbotics.com/> buildbotics -derived Onefinity Controller (on the Original/X-50/PRO machines) that is connect...

Mounting onefinity at a 45

Jun 2022 - Hey Duane, with Lee's @TDE <https://forum.onefinitycnc.com/t/fold-down-wall-mounted-cnc-table/4783> Fold Down Wall Mounted CNC Table you could try out di...

Clamps for thick boards

Apr 2024 - Hey Mark, The oops clamps work but have a limited screw length so are not the suitable for very thick blanks. On thick blanks you would use a helper bl...

Do ceramic bearings effect touch probing?

Apr 2024 - Hey Bunkstaff, what prolongs the life of ball bearings in spindles the most is a spindle with sealing air. This reliably prevents anything from getting...

✅ Z axis issue, please help

Apr 2024 - Hey Jeremy, Sounds like the <https://forum.onefinitycnc.com/search> Z axis plunge issue. You did not tell which machine model you have and how long have...

Elite Stepper Motor Torque

Feb 2023 - Hey Bill, to compare torque values alone makes no sense. You got to take into account many other factors, on a stepper motor the step angle and also th...

Issues with Z Axis

Apr 2023 - Hey Charles, a router power cables does not emit the same type of EMI than a VFD-to-spindle cable, but the recommendations in my VFD manual could be co...

Elite Touch Probe

Mar 2023 - Hey James, if you are used to the Onefinity Controller, which probes on the outside top front left corner of the workpiece, I assume you want to https:...

✅ 80mm Spindle vs Makita Router for flattening large slabs

Apr 2024 - Hey Michael, michaelth: Is my best bet to balance price and performance to go with the Pro and a good spindle? Is there a difference in capability for...

Tool path Starts at Origin (bottom left corner of material)

Mar 2023 - Hey Shawn, you must have the workpiece origin in your 3D model exactly where you have it in reality, which means where you probe XYZ in reality. If you...

Binding Issue Isolated

Apr 2024 - Hey Chaosweaver,
<https://forum.onefinitycnc.com/t/issue-with-dovetail-bit-on-morgan-hop-s-wasteboard-file/22425/8> Issue with dovetail bit on Morgan Hop...

How borked am I? (I believe my controller is dead)

Jan 2024 - Hey Bradley, hey all, bpavlack: my controller just recently fried so it does happen. It cost me \$590 with shipping, taxes, and fees. At this price, you...

✅ Trying to figure my axis

Apr 2024 - Hey Patrick, if you don't reassign the axes, you change nothing in your CAM software. You just have to remember that when mounting the machine vertical...

Gsender and onefinity

Apr 2024 - Hey Randall, <https://sienci.com/gsender/> Gsender is a CNC machine control software. Such a software is already present on the Onefinity Elite/Masso and...

✅ **Coming from Longmill to Pro model**

Apr 2024 - Hey Randall, the Onefinity CNC Controllers are USB hosts , not USB clients . You cannot connect a PC to their USB ports. But you can connect a USB thumb...

Z axis screw and nut sizes (X35)

Apr 2024 - Hey David, the original Z-16 Z assembly with its 16 mm diameter chrome-plated, hardened steel hollow shafts has a <https://forum.onefinitycnc.com/t/z-20...>

✅ **Z axis changing**

Mar 2024 - Hey Thomas, hey Darrell @wwcenturion , sounds like the <https://forum.onefinitycnc.com/search> Z plunge issue . Do you have the old Original X-35/X-50 or...

Will the Makita handle it?

Apr 2024 - Hey LoneCarver, LoneCarver: Or would that just be asking for (best case) a burned up router? the Makita hand trim router is a <https://en.wikipedia.org/>...

✅ **Buying first Onefinity**

Apr 2024 - Hey Reyes, Chainsaw: no cad experience <https://forum.onefinitycnc.com/t/new-user-recommendation/23450/8> New user recommendation Regarding what to produ...

✅ **Tool change Z probing problem**

Apr 2024 - Hey B2Bass, a g-code file with multiple tool changes works fine with the Buildbotics and the buildbotics-derived Onefinity controller. It's just that y...

Foreman Spoilboard Surfacing with MASSO Wizard

Apr 2024 - Hey Mike, there is a video for tramming the milling motor by observing the visible patterns a surfacing bit leaves behind: The <https://www.youtube.com/>...

PRO Series Foreman (48" x48" Cut Area)

Apr 2024 - Hey Wayne, Segwayne: Another thought would be to investigate adapting one of those rotating carts, like Fisher's Table. Do you mean the <https://fishers...>

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✅ **Y rail ball screw bearing problem**

Apr 2024 - Hey Neil, how long have you been using the machine? Did you do the maintenance (wood dust removal and oiling) regularly according to the support video?...

✅ **Upgraded to 1.2.1 - Messed up controller and probing**

Jul 2023 - Hey FeasterFamine, FeasterFamine: x axis is less than min soft limit, [...] and another x axis soft limit with a different negative value for X position)...

Info on the Breakout Board Accessory (non-elite machines only)

Aug 2023 - Hey Greg, the breakout board adapter is nothing than a [https://en.wikipedia.org/wiki/D-subminiature 25-pin D-Sub](https://en.wikipedia.org/wiki/D-subminiature_25-pin_D-Sub) to <https://en.wikipedia.org/wiki/Screw...>

✅ **Reduce X & Y axis travel by 5mm**

Apr 2024 - Hey Tony, 'max-soft-limit' on the corresponding MOTOR page.

Router shield stl file

Apr 2024 - Hey Joe, Joe8573: Can someone tell me how do I find the suck it dust boot router shield stl file onefinity supposed to be providing if this is true Gla...

✅ **How did I. Change feeds while in mid carve?**

Mar 2024 - Hey David, this is somewhat the <https://forum.onefinitycnc.com/t/change-feed-rate-on-the-fly/19698/2> most requested feature for the buildbotics-derived...

✅ **Solved: Woodworker is cutting short along my Y axis**

Mar 2024 - Hey Guy, you did not tell which machine you have. Depending on the model/age you may have problems with <https://forum.onefinitycnc.com/t/strain-relief-...>



Tool length setter

Mar 2024 - Hey Tom, hey Tom 😊 by the way, interesting:
<https://linuxcnc.org/docs/html/gcode/other-code.html#sec:select-tool> T – Select Tool Tx - prep...

Replacement controller

Mar 2024 - Hey Tor, the HDMI port of a Raspberry Pi 3B can easily be made to break. When I opened the Onefinity Controller for the first time, I forgot that the p...

Using the Control Screen Z-

Mar 2024 - Hey Mark, Either you create a G-code toolpath that uses multiple passes subsequently, or, if you strictly want a one-pass toolpath, I would use the htt...

Onefinity (Triquetra) 3 axis touch probe machined accuracy

Mar 2024 - Hey Kemperle-Industries, the fact that the (Triquetra) <https://www.onefinitycnc.com/product-page/onefinity-3-axis-touch-probe> 3-axis touch probe has wi...

Looking for 80mm dust boot recommendations

Mar 2024 - Hey Aaron,
<https://forum.onefinitycnc.com/t/what-is-the-best-dust-boot-for-the-onefinity/14685/4> What is the best dust boot for the Onefinity I liked @...

What is the inner diameter?

Mar 2024 - Hey matthew633 yiesounglee,
<https://forum.onefinitycnc.com/t/1st-post-size-matters-and-vertical-clamping-for-finger-joints-tenons/18074/3> 1st post. Siz...

All owners of Woodworker original machines

Mar 2024 - Hey Steve, this is a duplicate of
<https://forum.onefinitycnc.com/t/woodworker-50mm-y-axis-rails/26166> #26166 <https://forum.onefinitycnc.com/faq#keep-ti...>

👍 **Multiple Origins Has Unexpected Behavior on BB Controller / Solved works as expected using G92**

offsets

Mar 2024 - Hey Chris, ChrisM: So now all origins will be set relative to G54: G10 L2 P2 X10 Y20 ; ← G55 will be set to X10 Y20 away from where G54 is set. I canno...

Woodworker 50mm Y-axis rails

Mar 2024 - Hey Steve, I think the 35 mm Y rails on Woodworker and Journeyman are fine because unlike the X-50 rail, you have two of them . If you want a machine t...

✅ **Will there be "Y-50" rails on Y-Axes soon too?**
[FULFILLED]

Jun 2021 - Hello, I was very delighted to see a 48" × 32" Version of your CNC, the Journeyman, to come out now, with stiffy 50 mm rails on X-Axis. I was hoping on...

Min max switches enable

Jul 2021 - Hello Michael, how did you attach the micro switches? Do you have a picture? Thanks,

✅ **Crazy offset when posting tool change paths**

Mar 2024 - Hey Rob, if you want to use a g-code toolpath file with multiple tools with the <https://buildbotics.com/> buildbotics -derived <https://www.onefinitycnc.com/>...

Rotary Axis Set-Up

Mar 2024 - Hey Norm, there are a number of posts that describe what you want to know. We have a search function in this forum, you can easily find the posts that...

Masso G3 ATC build update - table, pneumatics, mount,

Apr 2022 - Hey Tom, this is what I like to look at 😊 Excellent execution with a steep learning curve, that's you. Congratulations. Envy you for the "...

Is anybody using the Masso Beta v5.100b upgrade?

Mar 2024 - Hey Garry, on reason could be that it is made in the USA and not in China.

Specs on Journeyman Pro

Mar 2024 - Hey Kenny @stone329 , hey Scott @tahoe1840 , this question was already answered. We have a search function in this forum. Note that with the introducti...

✅ **Z-20 slider and homing**

Jul 2023 - Hey st, it's just like with eggs. You can boil them, and boil them, and boil them, they don't get soft! 😊

Any issues with unconditioned garage

Mar 2024 - Hey Tony, this mainly depends on air humidity. A high air humidity can make rust appear on parts made of steel and that are not oiled. The hollow shaft...

Relay for BB to control router on/off

Mar 2024 - Hey Tony, if you are located in the land of https://youtu.be/jJ_OamX-PA8 girly power , then you can attach this <https://dlidirect.com/products/iot-powe...>

✅ **Extension cables for the Elite? (solved, in the online shop)**

Feb 2023 - Hey Joshua, Usually <https://www.onefinitycnc.com/cnc-machines> new machines , <https://www.onefinitycnc.com/accessories> accessories and <https://www.onefi...>

Is there a list of usable machine parameters for the MASSO?

Mar 2024 - Hey Moar, MoarVoltz: I've seen a few posts referencing parameters such as #5221 and #5241 for the X offset for g54 and g55 respectively. Is there a lis...

Interaction among multiple ethernet computers and a USB monitor (original BB controller)

Feb 2024 - Hey Martin, MVall: What happens if I start a program on the garage ethernet (router-connected) laptop, and then disconnect the laptop during the progra...

Online control is unable to open file explorer

Mar 2024 - Hey KrisV1, the "open file" dialog is something that is provided by the web browser you use. If it doesn't open, it may be that your web browser does n...

Request Items that are on the elite upgrade list (I didn't buy my masso from Onewfinity)

Mar 2024 - Hey Mike, you can attach any type of limit sensor to a Masso G3 controller, e.g. inductive proximity sensors → <https://forum.onewfinitycnc.com/t/elite-h...>

How many PRO users are considering upgrading to the ELITE and why specificall?

Mar 2024 - Hey Aaron, I answered to your <https://forum.onewfinitycnc.com/t/has-anyone-here-upgraded-from-a-pro-version-thoughts/26058> duplicate post under the Elit...

Masso Touch Probe

Jul 2023 - Hey Jim, hey all, English, as everybody knows, is the language where every thing has ten different words denoting it, and in addition, every single wor...

☑ Need help with Z cutting too deep (Solved)

Apr 2023 - Hey Joshua, do you have the workpiece zero on the top or on the bottom of the workpiece? Do you reprobe Z somewhen, after initial XYZ probing?

Festool dust extractor exhaust question

Feb 2024 - Hey _dan, _dan: I saw in a video that they have an exhaust port. I want to connect a permanent hose from the Festool exhaust port and exhaust the air o...

2.4 GHz to 5 GHz now my wirelss won't work

Mar 2024 - Hey Travis, I don't know if this helps you but the <https://www.raspberrypi.com/products/raspberry-pi-3-model-b/> Raspberry Pi 3B (not plus) inside the O...

Machine Won't Jog Past Halfway on X and Y Axis When Homed

Mar 2024 - Hey LJ, on the menu, choose the ADMIN page and load the defaults for your model (Configuration → Reset). Welcome to the forum!

☑ Assembled weight plus one

Mar 2024 - tahoe1840: A post I found had shipping weights on them which was helpful but all those boxes amount to a lot

Z heights changes during a carve

Mar 2024 - Hey John, this sounds like the
<https://forum.onefinitycnc.com/search> z plunge issue . Maybe
→ <https://forum.onefinitycnc.com/t/x50-z-axis-randomly-plun...>

Huanyang spindle and VFD 800 watt on masso

Mar 2024 - Hey Marcel, did you use the search function of this forum? If so, did
<https://forum.onefinitycnc.com/t/problems-installing-huanyang-vfd-and-spindle-on-...>

Configuring a custom VFD and spindle

Jul 2022 - Hey Sid, SidS: Does anybody have the modbus addresses for a H100/V70 inverter? you can use the ModBus address you like, but you got to make sure that i...

Z-Axis position error message

Mar 2024 - Hey JP, the error message reveals that you have a command in your toolpath ("G0 Z0.5") that tells the machine to move quickly to Z position +0.5 in (+1...

Anyone want more Z travel?

Mar 2024 - Hey Adam, more travel is only possible by replacing the Z assembly, e.g. like mentioned
<https://forum.onefinitycnc.com/t/journeyman-table/20014/16>
here...

Spindle not turning on anymore

Dec 2022 - Hey Dale, Dhvizdo: I have been using a huanyang vfd 220 on 2,2 Spindle without any issues for a month. I just ran a long gcode program that couldn't di...

Overall size for Elite Journeyman

Dec 2022 - Hey all, in any case you'll have to evacuate the dust at the closest possible point to the source, i.e. the milling bit. Especially since on the Onefin...

Ridges on Spoilboard with QCW Frame and Rolling Stand

Mar 2024 - Hey LJ, you may be interested in <https://forum.onefinitycnc.com/t/micro-tramming-adjustment/21546/5> this 😊

Z axis drops at the beginning of the project

Mar 2024 - Hey James, sounds like the <https://forum.onefinitycnc.com/search> Z axis plunge issue. Maybe <https://forum.onefinitycnc.com/t/x50-z-axis-randomly-plunge...>

✅ Missing spacers (solved, only needed and supplied with FOREMAN sized machines)

Mar 2024 - Hey Flann, the Journeyman which has two 35 mm rails on Y axes does not need risers. The risers are for Foreman which has 50 mm rails on Y axes. 50 mm r...

Huanyang VFD to Controller

Oct 2021 - Hey Steve, Did you already edit the settings "Source of Operation Commands" (PD001) and "Source of Operating Frequency" (PD002) to 2? Huanyang_VFD__Des...

Post up them failures

Aug 2021 - Hey Sean, great topic. Now it's getting interesting.

✅ Onefinity X-axis stepper motor is jiggling

Nov 2023 - Hey Ken, this is a frequently asked question. We have a search function here. Onefinity provides a help file which deals with many kinds of blocking of...

X50 Journeyman - original_Drag Chain suggestions needed

Mar 2024 - Hey Danno, the clips can lead to <https://forum.onefinitycnc.com/t/sagging-drag-chains/22230/1> sagging drag chains . <https://forum.onefinitycnc.com/t/sa...>

Removing X Axis or Y Axis stepper motors

Mar 2024 - Hey T, terrycoplin: How do I disconnect the wiring? X & Y rails <https://www.youtube.com/watch>

Remove_screw_farthest_away_from_the_motor_on_bottom_of_
fr...

Remember home for projects

Feb 2024 - Hey Kevin, KevTN: If I use a "custom" zero point, meaning, not using the center or one of the corners, will the Masso controller remember that zero poi...

Masso Spoilboard Surfacing, Errors / Help in the pittsburgh area

Mar 2024 - Hey Joseph, zepposhack23: are willing to help me via phone or in person? So you don't want help from the forum members via the forum? Many faced proble...

Can someone measure their Elite Foreman Feet for me?

Mar 2024 - Hey litany, the Foreman's width on the feet is identical to Journeyman's. The Foreman's depth is 16" more than Journeyman's. Journeyman's depth is iden...

Elite (Masso) set up in Easel

Aug 2023 - Hey John, Chucky82: I've been having trouble with the touch probe. When I say go to work origin after probing x and y, it's always slightly off. you kn...

Errors starting up

Mar 2024 - Hey Dan, welcome back. "fs error" means that your filesystem has errors. Probably you switched the Onefinity controller off (big red mushroom-shaped bu...

Acoustic guitar necks

Feb 2022 - Hey all, the Hitachi WJ200 is nearly identical to Omron MX2, <https://forum.onefinitycnc.com/t/spindles-lingering-questions/8643/16> see here . I recomme...

Packaging of Pro Woodworker machine

Mar 2024 - Hey Steve, Sschippel: But in the packages I received I do not see the Makita Router or the control box. Are they suppose to be with the X, Y, Z bars? a...

☑ Surfacing question

Mar 2024 - Hey all, this is the way the Onefinity's Z assembly is designed. It does not allow the milling motor mount to protrude downward beyond the end of the Z...

Can you upgrade controller only

Nov 2023 - Hey Tim, you can buy the <https://www.massco.com.au/product/massco-touch-mill-router-cnc-controller/> Masso G3 Touch (US \$1,290.00 without power supply), b...

Maximum Z travel

Feb 2024 - Hey Art, the travel of the Z-20 assembly is 163 mm. The absolute position of the Z assembly can be adjusted by attaching it on the X carriage at one of...

Onefinity vs Longmill

Jul 2023 - Hey XstormX, hey Chuck @clw , hey all, a macro is <https://buildbotics.com/manual-v1-0/#macrostab> explained here , it's available on the current Origina...

Carveco - Vectric question

Feb 2024 - Hey Michael, mhackney: I came across some interesting YouTube videos on taking photos and adding dimensionality to them like this one from Carveco <http://>

Acorn Build-bench testing complete!

Dec 2021 - Hey Bill, hey Larry, hey Tom, Machinist: Doubtful, as the Onefinity controller will not support a 4th axis. I doubt Onefinity will make one available,...

☑ Screw sizes etc

Feb 2024 - Hey Chris, we have a search function in this forum. <https://forum.onefinitycnc.com/t/common-bolt-types-on-the-onefinity/3057> Common Bolt Types on the O...

Squaring up the x-50 journeyman machine during elite upgrade

Feb 2024 - Hey Frank, after having attached the machine to a machine base (e.g. table top, anti-torsion box etc.) like described in the setup manual (hereby using...

☑ Manual tool change with tool setter

Feb 2024 - Hey Tom, Geige: I just would not know the correct MDI commands. <https://linuxcnc.org/docs/html/gcode/other-code.html#sec:select-tool> M6 (Tool Change) M...

☑ Table builds, elite

Feb 2024 - Hey Rob, this looks nice! A design that is very versatile! Gantry-type CNC machines (=machines that have two Y axes) need to have a mechanism to adjust...

Pay you to help me with my first project

Dec 2023 - Hey Krisk, Krisk: wedi board do you mean this? <https://www.wedi.net/en/products/building-systems/building-board/wedi-building-board/> Wedi building boar...

Can anyone help me with a Carveco CAD Question?

Dec 2023 - Hey Krisk, "Someone please help me" is not a meaningful subject for your new thread. Imagine visitors that come later with a problem and by coincidence...

☑ Elite Upgrade Kit Ordered (discussion)

Nov 2023 - Hey allmodcons, hey all, allmodcons: However,arent the non-Elite machines perfectly capable?Cant the original model(in my case the X50 WoodWorker),do e...

Homing with auto tool zero enabled and no tool in collet

Feb 2024 - Hey motocoder, motocoder: And after powering on, before homing I can only jog the toolhead about half way towards the front of the machine. Before homi...

☑ Masso - Installing my 7w laser mount

Feb 2024 - Hey Joel, jhagle: I know it takes M3 screws but I am struggling to find the pitch? if someone says "M3", this always means the coarse pitch. Otherwise...

F360 and GIT. Something I find Useful

Feb 2024 - Hey Andy, I also use <https://en.wikipedia.org/wiki/Git> Git and can only praise its enormous usefulness, not only for writing and managing code, but als...

✅ **Errors after probing**

Feb 2024 - Hey Stan, Natick64: I am new with 1F but have had a Shark 4 for a few years. After homing the machine I load the file (simple grid) and I get the Y is...

✅ **Screen resolution issues**

Feb 2024 - Hey Luke, the solution for this issue is to avoid auto-detection of the display resolution when powering on the CNC Controller, and instead to set the...

Water cooled spindles in winter temps

Nov 2023 - Hey David, cyberhiker: Some use auto antifreeze but over time that will cause corrosion bullshit. Do you really think anyone would pour this into the c...

Masso Can Surface Your spoilboard! (Built in Routine/Wizard)

Apr 2023 - Hey Ed, cymro99: discussing how difficult surfacing the spoilboard is (because it takes the machine to the limits of the surface) they pointed out that...

✅ **Issue with dovetail bit on Morgan Hop's Wasteboard File**

Feb 2024 - Hey Jason, JWB: I just purchased the files and wondered at what point I should surface? I assume I would surface after running the V-bit test. Am I cor...

X-50 (Mounted Vertical) Y-Axis Position Holding Issue

Jan 2024 - Hey captainslug, wow, with the X-axis mounted this way, you are not to be envied with the manual tool change. Why didn't you mount the X-axis reversed,...

Zero shift in middle

Feb 2024 - Hey Eugene, Genesanders: Why would my zero change in middle of project there can be a lot of reasons. You did not tell which of the axes had their coor...

Save toolpaths individually or as in one file?

Feb 2024 - Hey Ranfy, if you want to use a g-code toolpath file with multiple tools with the <https://buildbotics.com/buildbotics> -derived <https://www.onefinitycnc.com/>

Turn off fob-controlled dust collector (Supercell)

Feb 2024 - Hey Ian, this was already discussed many times in the forum. Here I quote a bit of what I remember: <https://forum.onefinitycnc.com/t/power-spindle-dust...>

Is this normal? Router at home on y axis in front of wasteboard

Feb 2024 - Hey Gil, gilbee: I ran the y axis front to back, and I noticed that when the router is full forward, it is actually about a half inch past the board su...

Length of spindle cable needed

Feb 2024 - Continuing the discussion from <https://forum.onefinitycnc.com/t/configuring-a-custom-vfd-and-spindle/2397/37> Configuring a custom VFD and spindle : Hey...

What is your strategy to ground the components of the machine?

Feb 2024 - Hey snorg, <https://forum.onefinitycnc.com/t/cable-management-and-emi-avoidance/23492/2> Cable Management and EMI avoidance To not only prevent <https://e...>

Another WiFi post but slightly different!

Sep 2021 - Hey Gary, <https://www.raspberrypi.org/documentation/computers/configuration.html#using-the-command-line> Configuring Networking - Raspberry Pi Documenta...

Onefinity is excited to announce the PRO Series

Dec 2023 - Hey OnefinityCNC, after the [https://www.onefinitycnc.com/product-page/onefinity-tool-setter Easy-Z](https://www.onefinitycnc.com/product-page/onefinity-tool-setter-Easy-Z) Tool setter (that was announced, but still missing)...

Display flickering

Feb 2024 - Hey Terry, Terryjames: My display monitor just started doing this flickering thing I know it's not the wire. Any suggestions? → <https://forum.onefinity...>

Upgrade the Raspberry Pi (hardware) in the controller?

Dec 2023 - Hey quesohusker, quesohusker: Can the Raspberry PI in the controller be upgraded? I think it's kind of underpowered. this is true. <http://Buildbotics.c...>

I have a woodworker that I cannot home. I have been trying for the past week to get it running with no luck

Feb 2024 - Hey David, did you consider this:
<https://forum.onefinitycnc.com/t/stall-homing-and-the-inability-to-work-correctly-when-started-at-the-opposite-ends-o...>

VFD safety off question

Feb 2024 - Hey Dustin, the VFD and the CNC controller have to be wired in a way that they are part of the emergency stop circuit . The VFD should signal an alarm...

Model starting at incorrect postion

Feb 2024 - Hey Keith, you got to set your real workpiece's workpiece zero exactly where it is located in your virtual 3D model. This is the way you ensure that yo...

Anyone familiar with Veko vfds?

Feb 2024 - Hey Pat, if your VFD is not in the pull-down menu list of supported VFDs on the TOOL page, you can at any time create a Custom Modbus VFD entry by sele...

☑ Using G54 through g59

Nov 2023 - Hey Don, <https://linuxcnc.org/docs/html/gcode/g-code.html#gcode:g54-g59.3> G54 – G59.3 (Select Coordinate System) are commands that make an offset activ...

QCW - Any reason to not have surface under it same dimensions?

Feb 2024 - Hey Gil, I wonder that you haven't found the answers with the search function, as this was discussed thouroughly and is asked (and answered) frequently....

Makita router burned up

Feb 2024 - Hey XstormX, XstormX: and being that I was surfacing my spoil board Makita sells only bits with diameter on the cutter of max. 1/2" for this hand trim...

Day 2 ½ about 95% complete with install

Feb 2024 - Hey Woodpecker, does your spindle coolant glow in the dark?

Help please X50 not cutting square!

Feb 2024 - Hey Laurence, Larry99: Measuring diagonals with a laser shows they are the same to within a 10th of a mm. I did the 4 3 5 Triangle test and it showed th...

Router on/off control

Feb 2024 - Hey all, hey Michael @SailorMike , hey Tom @cyberreefguru , hey Julian @OneCNC sorry for replying in an old thread, but there is a new user here that s...

✅ Skip the GX12-6P connector and go direct?

Feb 2024 - Hey Alan, I just updated my list of tables on how to connect the Elite Masso G3 to various VFDs. Your Hitachi WJ200 is also there. This may be of use t...

Two small steps along the X axis. flattening

Feb 2024 - Hey Tony, usually with this issue it's the machine, not the software. Have you ensured that your machine is <https://forum.onefinitycnc.com/t/what-do-i-...>

Max Size Waste Board

Feb 2024 - Hey Barry, hey Tom @Geige , Ruairisdad: Anyone who can operate a CNC machine should be able to multiply by 2.54. Just like I'm capable of dividing by 2...

✅ Wall Mounting the Elite Series

Jun 2023 - Hey Stephen, I think if I was really sure that there will be longer times when I will NOT use the machine is realistic (you may change your mind on tha...

Feed workpieces into CNC automatically with robot arm

Nov 2023 - Hey all, now that you have a CNC machine, a kind of "robot" that does the work on its own that you have programmed it to do, is there someone here who...

Please check and correct this bit of g code for me

Feb 2024 - Hey Tony, wonder why you still think that you can use chatGPT to learn something, after you have
<https://forum.onefinitycnc.com/t/asked-gpt-a-question/...>

There are more results. Please narrow your search criteria.