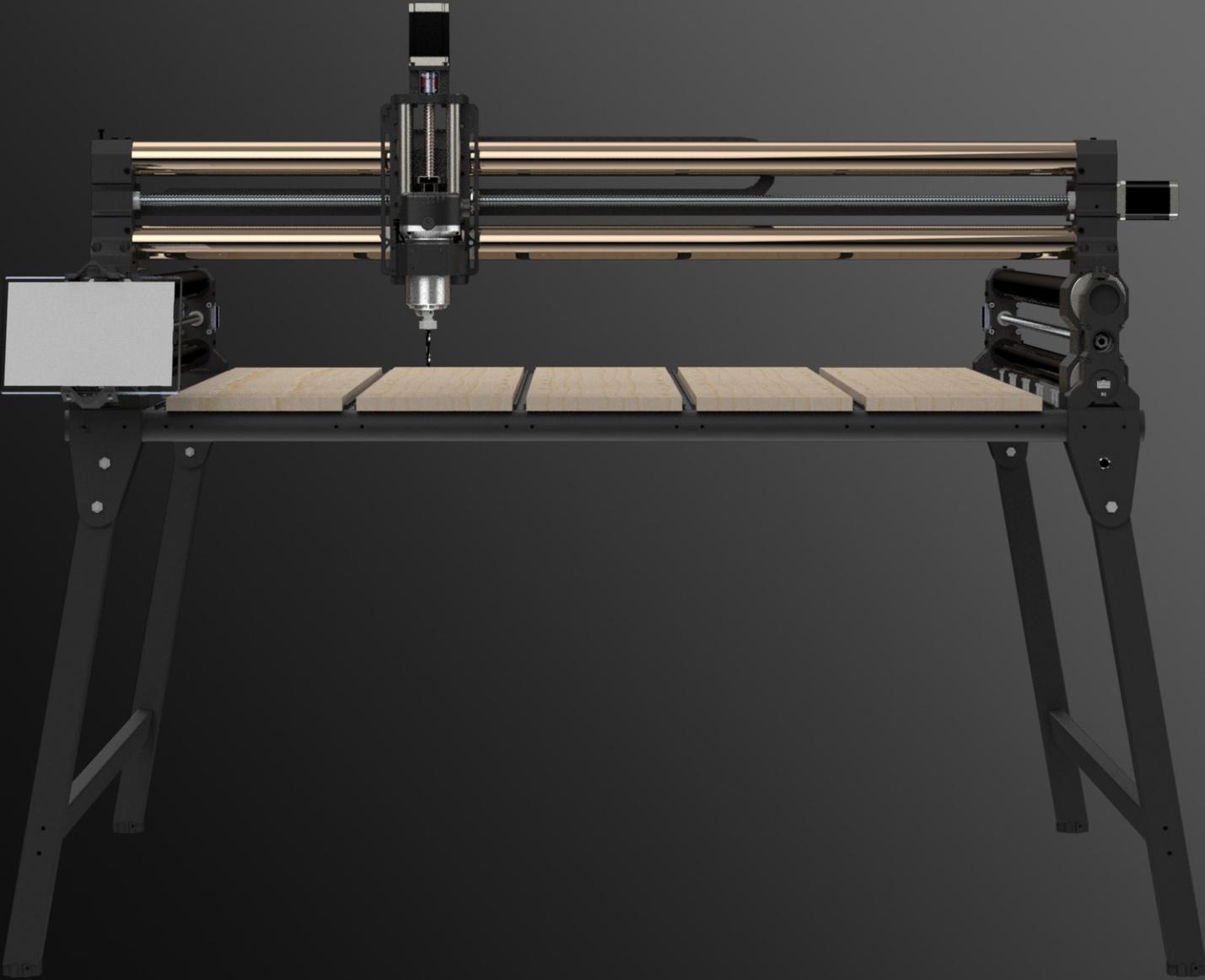


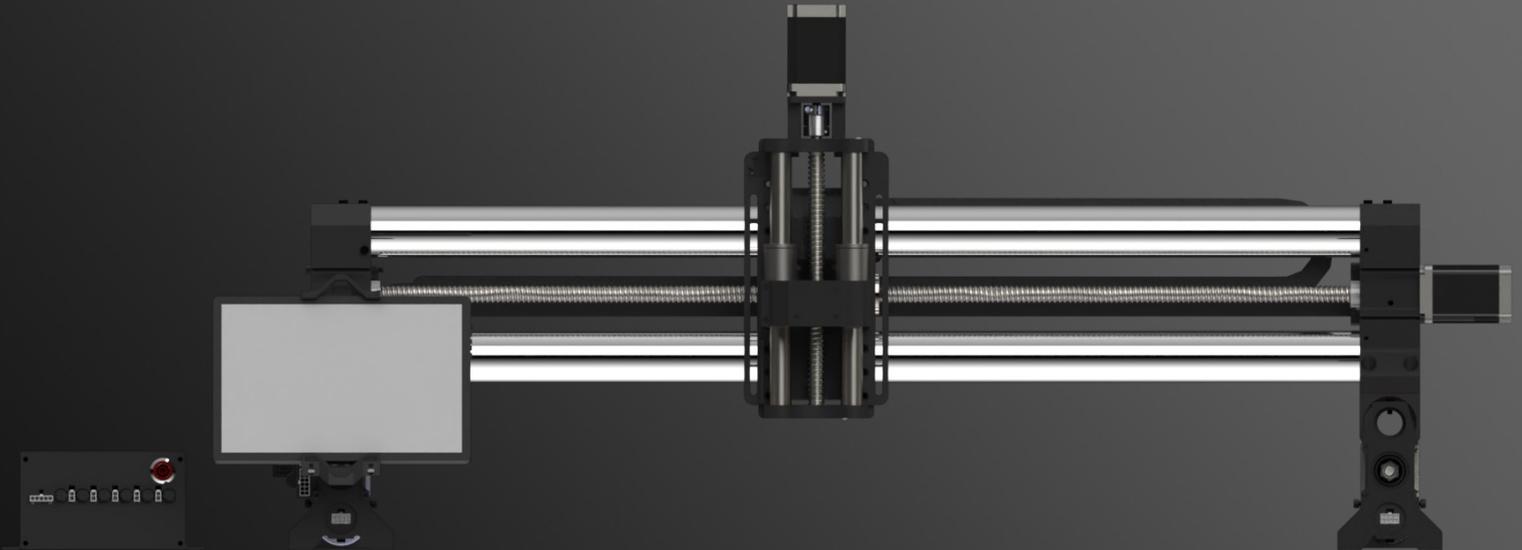
Onefinity is excited to announce the

# Pro Series



## The Pro Series

The **Onefinity PRO Series** is the ultimate CNC machine for weekend worries and hobbyists alike. With its powerful stepper motors, heavy duty Z-slider, and high precision linear motion shafts, this machine delivers unparalleled accuracy and precision. The included Drag Chains with Plug and Play wiring make setup a breeze, while the large 10.8" touch display lets you easily control every aspect of your project. The included Joy Pad makes positioning your CNC incredibly easy and accurate while being a lot of fun! Upgrade your workshop today and experience the power and precision of the **Onefinity PRO Series**.



## Re-inventing the CNC Experience!

**Onefinity** changed the CNC experience, first by inventing the quick and easy set-up and pioneering linear rails and ball screws at a price makers and small businesses could afford. This forced many manufacturers to abandon plastic wheels and rubber belts. We then revolutionized accessories for small shops with products like the Rolling - Folding Stand, Wall Mount and Use Anywhere QCW. Now, Onefinity is trailblazing affordable CNC's with our Z-20 (Heavy Duty Z-Slider), Joy Pad, Touch Probe, large Stepper Motors, Plug and Play Wiring supported by drag chains and an advanced controller with built in software allowing for operation without a computer! Purchasing a CNC from Onefinity has never been more affordable and reliable!



## Onefinity Pro Series, What you get:

Smart CNC controller with built in software allowing for operation without a computer

Large 10.8 inch high definition industrial capacitive touch LED screen

Rigid, high precision, hardened steel, linear motion Shafts

High speed, long travel, Z-20 Heavy Duty Z-Slider

Powerful, high torque, stepper motors on all axis

Stall Homing with auto squaring

Fast travel, precision ball screws on all axis

Conveniently located Emergency Stop

Plug and Play wiring supported by drag chains

Wi-Fi enabled

Plug and play XYZ Probe (Included)

Wireless Joypad makes jogging and positioning your CNC a breeze (Included)

Auto Control Box (Optional)

Patent Pending Micro Tramming

Quick and easy setup - start carving in under an hour

Solid, self supporting QCW with leveling feet (optional)

X-50 Stiffy (optional)

User friendly design

12, 24 & 44 watt Laser (optional—plug and play)

Fixed or Rolling - Folding Stand with wobble free leveling feet (optional)

Each unit fully production tested with a test carve to ensure proper functionality and quality

A large “how to” library with a very helpful and supportive community

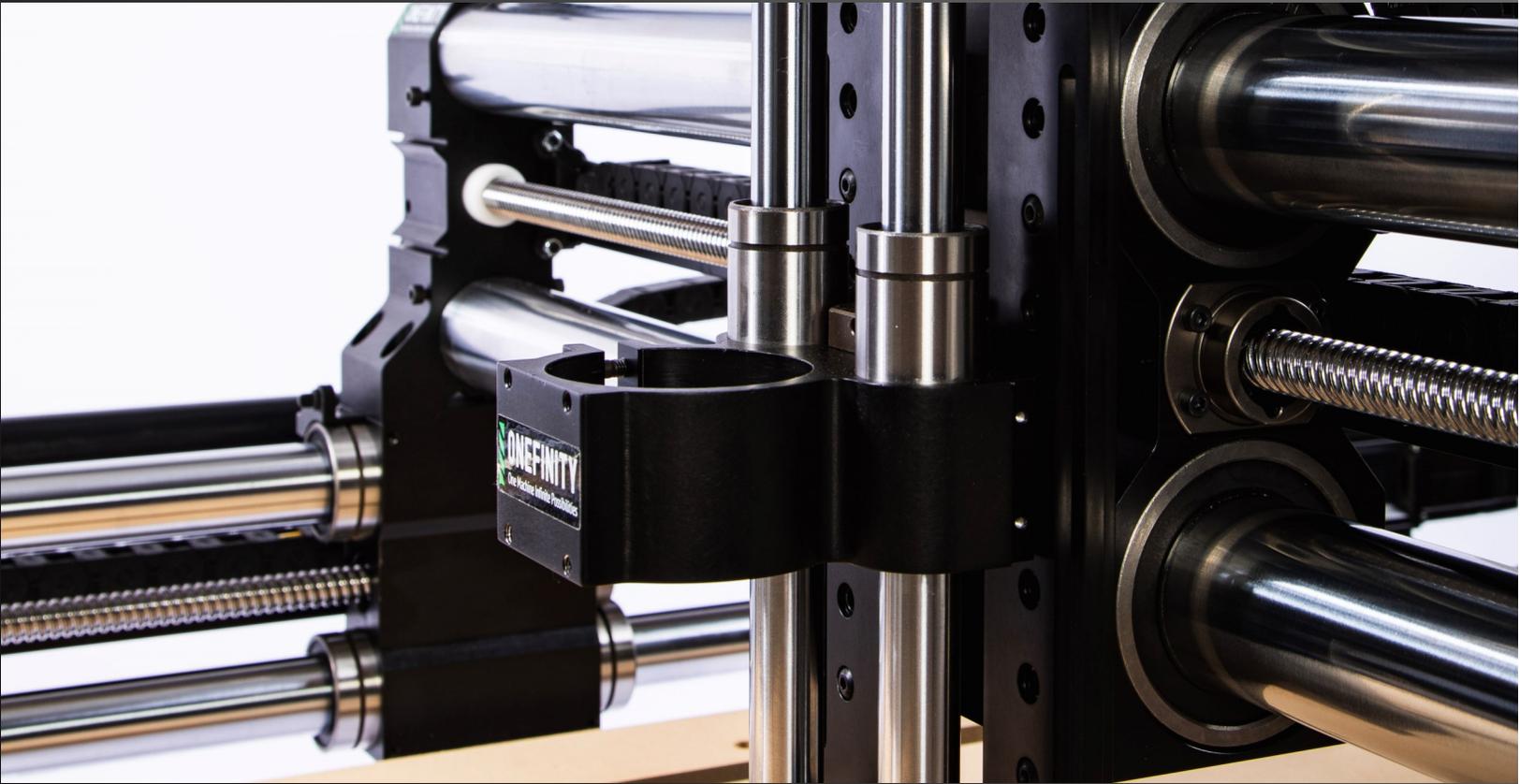
Powerful Carveco Maker Advanced 3D Cad Software (1 year subscription)

Bits and Bits 1/4” down cut bit (Included)

And much more...

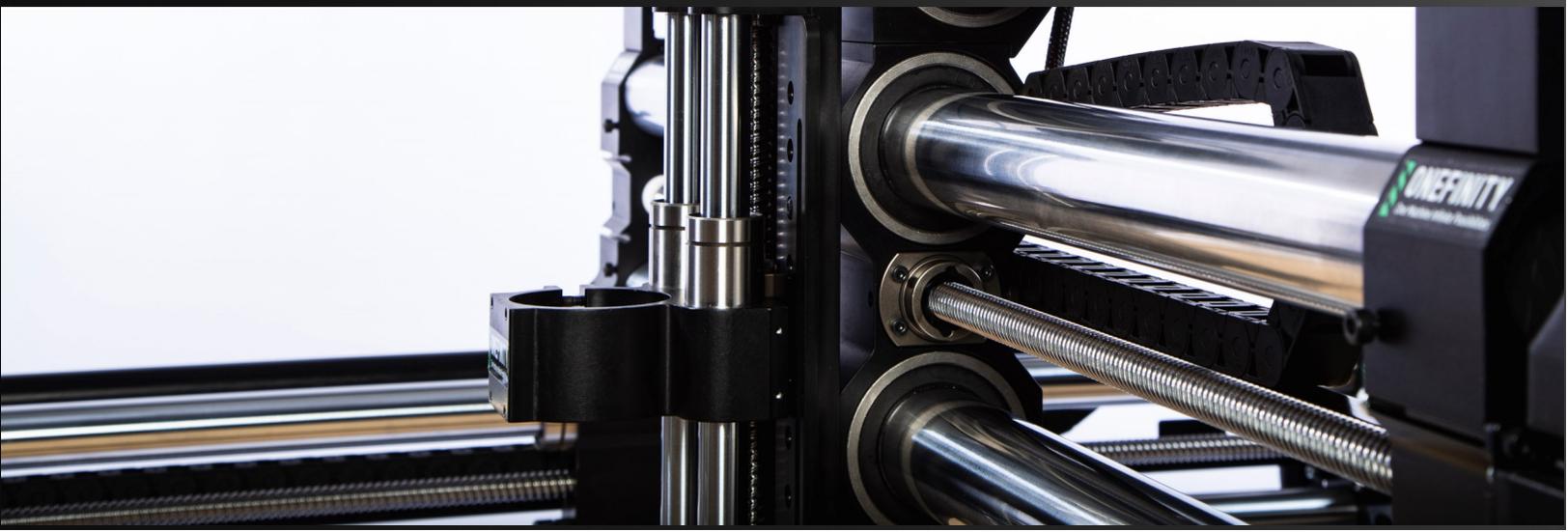
## SOLID. RIGID. BEEFY.

With rails comprised of beefy, high-precision, hardened steel, linear motion shafts, precision machined gantry blocks and rail ends, both made from aerospace grade aluminum, sealed, high load, linear bearings and a Heavy-Duty Z-Slider composed of ½" thick aluminum plates and 20mm solid, linear motion shafts, the **Onewfinity Pro Series** is rock solid!



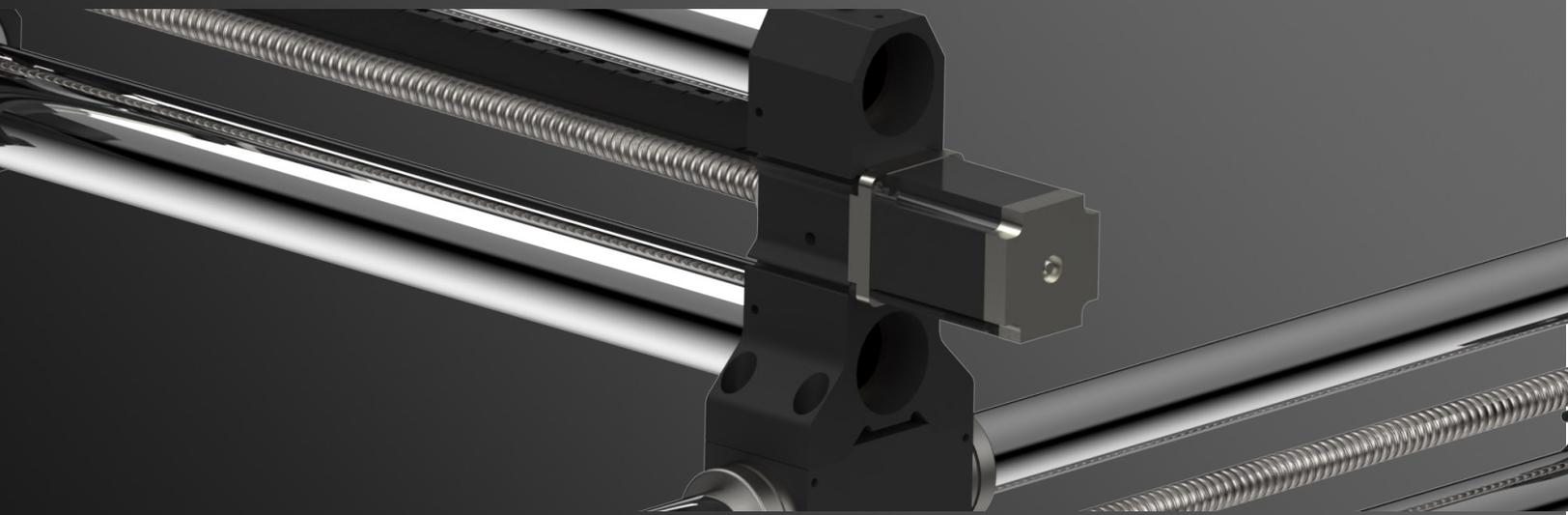
## PRECISE. DURABLE. SIMPLE.

Each axis come standard with quality ball screws for the utmost precision. Sealed bearings to ensure smooth, maintenance free motion. Large, powerful, stepper motors for accurate, low-risk carves. Assembly time is minimal with many of our customers up and carving in less than one hour!



## MORE TORQUE. INCREASED SPEED.

One of the many benefits of the **Ofinity PRO Series** is that you get the larger Stepper Motor with up to 40% more torque. With larger Stepper Motors you can cut faster and deeper, reducing your machining time without sacrificing precision.



## ADVANCED. SPECIALIZED. UNTETHERED.

The **Ofinity PRO Controller**, with a large 10.8" HD capacitive LED touch screen, is a powerful stand-alone CNC controller with fully integrated hardware and software. Running your CNC off of a tethered laptop in a dusty shop environment is cumbersome, problematic, impractical and an added expense. With the **Ofinity PRO Controller** you can enjoy all the features and perks of a powerful PC-less controller at the touch of your fingertips.

With a Conveniently located emergency stop switch, plug and play Joy Pad, XYZ Probe and Laser all with direct on screen controls the **Ofinity PRO** is an advanced CNC for an incredible, unmatched price.



## HIGH SPEED. LONG TRAVEL. HEAVY DUTY.

The **PRO Z-20** (Z-Slider) is a powerful, rigid and speedy heavy duty Z-slider. Offering great speed, torque and precision due to the 1610 ball screw and a powerful stepper motor, along with a large range of motion, the Z-20 is a solid Z-slider.

### ***PRO Z-20 Heavy Duty Z-Slider Features:***

Powerful stepper motor

Large 20mm solid, linear rail shafts maximizing rigidity

Sealed, high-load, linear bearings

1610 ball screw for increased speeds

160mm (6 1/2") of total travel distance

4 mounting positions

65mm and 80mm spindle mount options\*

Provisions for mounting a Laser and other accessories

Built in Suckit Dust Boot Mounts

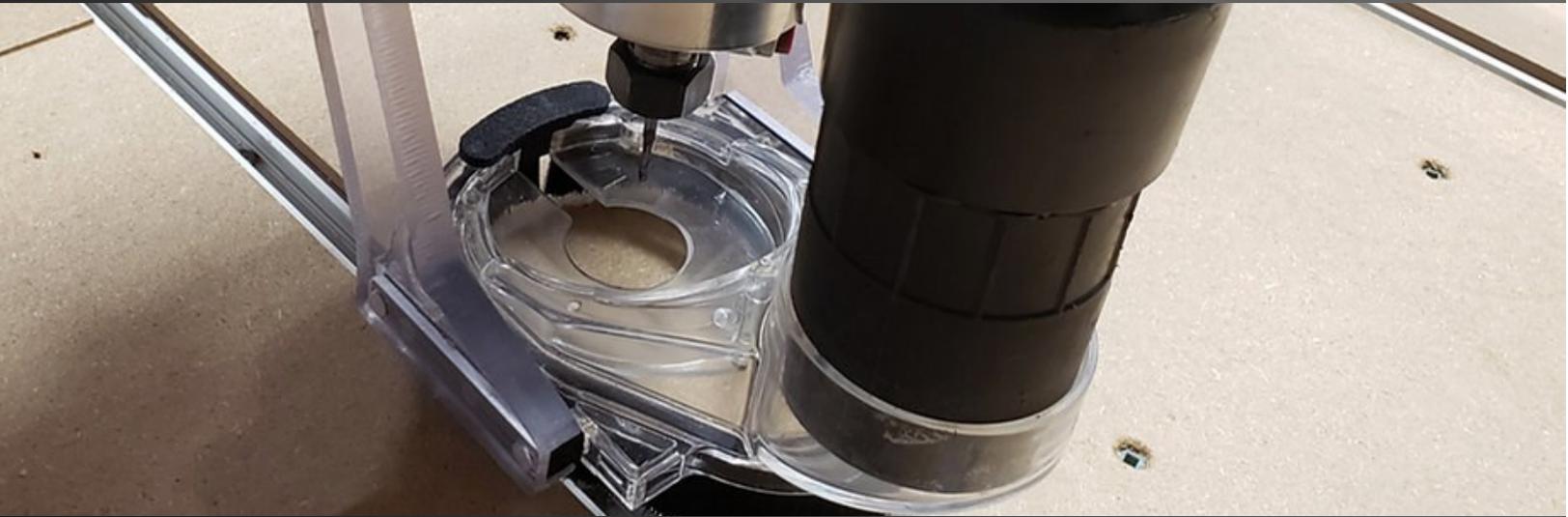
Thick precision machined back plates



**\*Important Note:** Due to the weight of 80mm Spindles, there is the possibility that the Z-Axis may drop when powering down or using the Emergency Stop. This may be amplified when adding a Spindle Mounted Dust Shoe.

## Suckit Dust Boot (OPTIONAL)

**SUCKIT** works independent of the Z axis. This allows the bristles to consistently surround the area being cut , better contains debris and dust and provides a better seal so the vacuum is much more effective. **SUCKIT** does not reduce the Z axis travel, stays flat on the work piece at all times and is quick and easy to remove for bit changing.



## Bits and Bits (1/4" Down Cut Bit Included)

Receive a quality 1/4" Down Cut Bit free of charge courtesy of Bits and Bits with the purchase of a **Onefinity PRO Series** CNC. In addition, **Onefinity** customers can get 20% off bits at ([bitsbits.com](http://bitsbits.com)) by using code **1F20** during checkout!

## Wireless Joypad (Included)

Take your Onefinity to the next level with the Onefinity Joypad. Not only does this Joypad allow you to wirelessly control your Onefinity's X, Y, Z motion, you can control the speed with 4 different speed setting. After using this Joypad, you'll wonder how you got along without it. This is an amazing accessory and is now included free of charge!



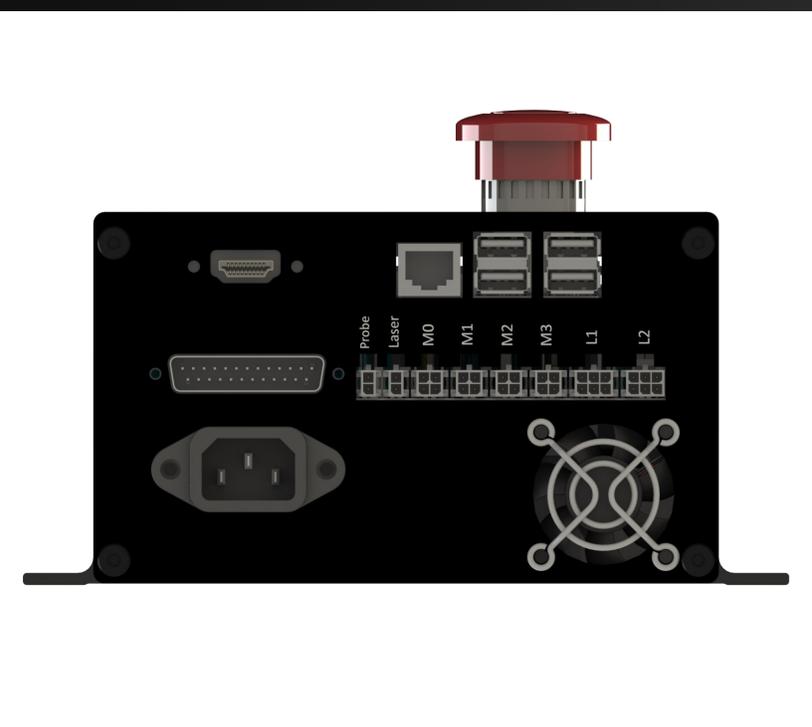
## STALL HOMING SENSORS WITH AUTO SQUARING

The **Onefinity PRO Series** uses stall homing with auto squaring. With the use of dual Y-axis current monitoring, every time you home the Onefinity you can be sure that it's completely square and at its 0 coordinates. The Onefinity stall homing is not subject to mechanical failures, wiring issues, assembly problems and maintenance!



## PLUG AND PLAY WIRING SUPPORTED BY DRAG CHAINS

The **PRO Series**, while very advanced and feature rich, keeps true to what customers love about the Onefinity. The **PRO Series** features industry leading easy to assemble, simple and quick setup. Every wire and connection for each axis, laser, touch probe, Joy Pad and Monitor is clearly labeled and designed to prevent improper connection.



## MICRO TRAMMING Patent Pending

Gone are the days of using tin foil to shim your CNC to ensure your cutting tool is perpendicular to your work surface. The **Onefinity CNC** is manufactured using high quality, high precision parts and components, however, there maybe some setups that require slight adjustments to ensure the cutting tool is perpendicular to the work surface. With our patent pending Micro Tramming feature you can easily tram your machine without having to shim your CNC using tinfoil.



## INDUSTRY LEADING QUICK SETUP Patent Pending

Keeping true to what customers love about the Onefinity CNC, the **PRO Series** can be assembled very quickly. Everything is plug and play and only 12 bolts are required to assemble the Onefinity (8 bolts to fasten the X-Axis to the Y-Axis and 4 to attach the Z-20). Once your machine is fastened together, just mount your display and screw the Y-Axis to your table or QCW. Most customers are carving in less than an hour!



## QCW (QUICK CHANGE WASTEBOARD) WITH LEVELING FEET (OPTIONAL ACCESSORY) Patent Pending

Using a custom designed extrusion that is engineered to be rigid and self-supporting without the need for a table to prevent sag, the QCW is a great addition to the **Onefinity PRO Series**. The Onefinity CNC is designed to be used by simply bolting it to a solid table, however, some customers don't have the time or desire to build or source a solid table. The **Onefinity QCW** is solid enough to be used on any surface due to its rigid custom extrusions and wobble-free leveling feet. With the use of the QCW, you do not need to worry if your surface is level and flat. *Note: All QWC's come with leveling feet and a set of Oops Clamps.*

## ROLLING - FOLDING OR FIXED STAND LEG KIT WITH WOBBLE FREE LEVELING FEET (OPTIONAL ACCESSORY) Patent Pending

When combined with the amazing **QCW**, users can quickly and easily add very solid Fixed or Rolling - Folding legs. Turn your **Onefinity CNC** into a stand alone money maker. Don't waste time and money building a flat table when you can use that time to make awesome things! The innovative design of the Onefinity give you the option to easily add a solid, compact table that can be moved from one location to another. In addition, the unique design allows you to place your vacuum and other things right underneath, saving a lot of space.



## **AUTO CONTROL BOX (OPTIONAL - Coming Soon!)** Patent Pending

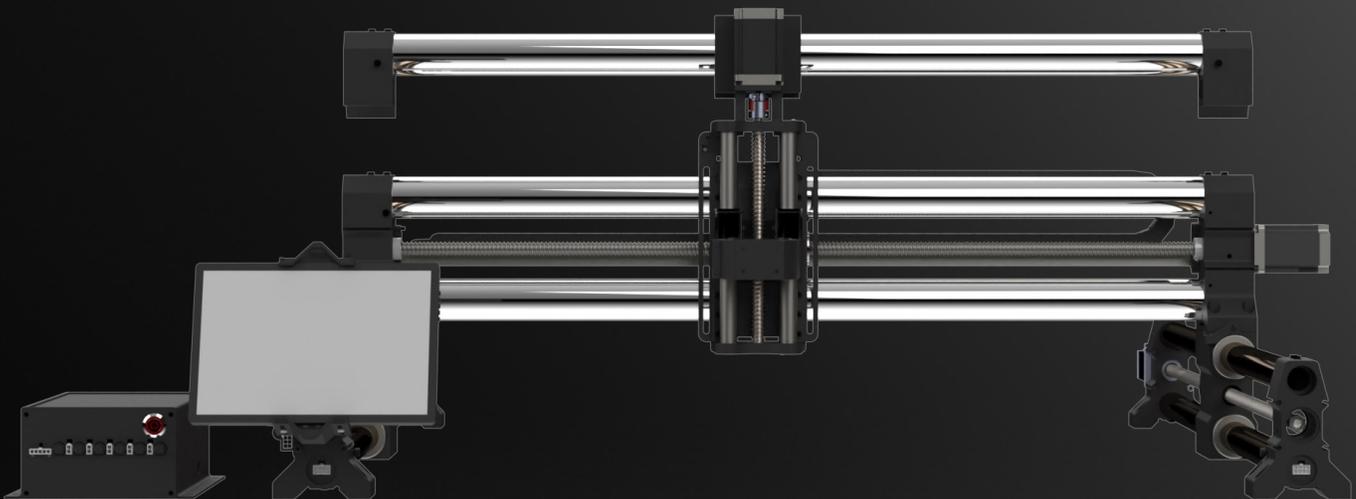
Have your router and vacuum automatically turn on when you start a carve and automatically turn off when your carve finishes. Simply plug your router and vacuum into the back of the **ACB (Auto Control Box)** and the **Onewfinity PRO** will control it for you. The **ACB (Auto Control Box)** includes an over-ride switch so you can manually turn on your vacuum to clean up after a job. Also included is a lockout switch so you can manually disable the router during a tool change for additional safety. Upgrading to a Spindle? Use the second outlet to automatically control your coolant system.

Most importantly, the **ACB** has two (2) Plugs and two (2) ports, this gives you the ability to plug into different outlets, minimizing EMI issues and ensures you don't overload your outlet and constantly trip your breaker or damage your equipment!



## **X-50 STIFFY (OPTIONAL)**

Looking to maximize the larger and more powerful stepper motors and possibly adding an 80mm spindle? If so, the X-50 Stiffy upgrade is for you. You will not find a more rigid, powerful, precise and speedy CNC in this price range.



## 14, 24 and new 44 WATT LASER (OPTIONAL)

The Onefinity CNC offers you the ability to quickly add a quality J-Tech laser that is completely plug and play. Many of our customers create mind blowing carves using their Onefinity CNC, but if you really want to set yourself apart from the crowd add some “freakin’ laser beams.”.



## EACH UNIT FULLY INSPECTED COMPLETE WITH A TEST CARVE

Onefinity’s quick and easy set up allows us to do something no other company can; Each machine is fully assembled, thoroughly inspected and tested, which includes performing an actual test carve. Your machine is then packaged for shipping along with the test carved “Team Onefinity” sign . No other CNC company can ensure your machine is at its highest quality before leaving the factory. They may test parts of the machine, but don’t be fooled, they don’t test the full machine.



## PLUG AND PLAY 3-Axis Touch Probe (included)

The **Onefinity** 3-Axis Touch Probe allows you to quickly and automatically Zero your CNC's X, Y, and Z axis or Z axis only. Our probe is incredibly easy to setup, just plug it into the dedicated probe port on the back of the controller. No soldering, crimping or screwing required! The XYZ Probe allows you to quickly and precisely zero your CNC's X, Y, and Z axis

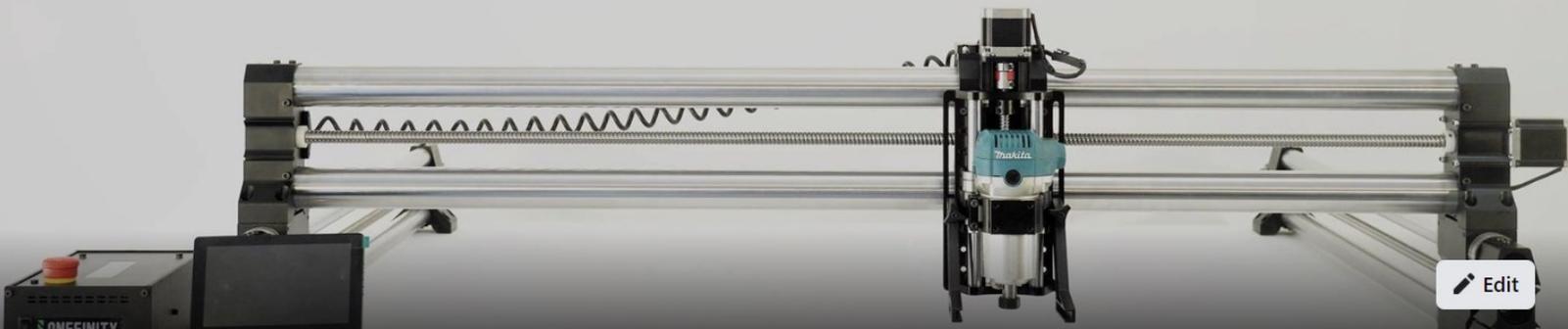


## A LARGE "HOW-TO" LIBRARY WITH A VERY HELPFUL AND SUPPORTIVE COMMUNITY

With a community growing at more than twice the rate of our closest competitors, the Onefinity community prides itself on being supportive, helpful, with a wealth of resources including how-to videos and informative blogs. With very knowledgeable community members and administrators, you will have access to many helpful creators and makers at all hours of the day and night. Onefinity has over 70,000 members across our forums, Facebook group, Instagram and YouTube channels. Watch a number of exciting educational series such as Morgan Hop's "Onefinity University," Hamilton Dilbeck's "Maketember" and Two Moose Design's "5 Projects to Make and Sell" along with many others. You will find an abundance of resources and help to ensure you are successful and productive with your Onefinity.



Journeyman 48" x 32"



Group by Onefinity

### Onefinity CNC Users Group (Official)

Private group · 17.7K members



+ Invite

Discussion Featured Shop Guides Videos Members Media Files Questions



# POWERFUL 3D CAD/CAM SOFTWARE (Included)

All **Onefinity PRO** machines include a 1-year subscription to the full-featured 3D design and machining program Carveco Maker.

Featuring easy-to-use design tools and the ability to create highly accurate, dependable toolpaths, Carveco Maker is a powerful CAD/CAM program providing you the ability to create virtually anything your imagination desires.

Whether you're a weekend maker, traditional craftsman, or brand new to working with a CNC router, Carveco Maker provides you with all the tools you need to create high-quality 2D and 3D products quickly and easily.

Already have CAD/CAM software you like? No problem! The Onefinity accepts standard G-code, so you can use your preferred software.



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## CARVECO MAKER: THE FIRST STEP TO MAKING GREAT PRODUCTS ON YOUR CNC

Featuring easy-to-use design tools and the ability to create highly accurate, dependable toolpaths; Carveco Maker is a great, affordable option to pair with your new CNC router or engraver.



MAKER

## FULLY UPGRADEABLE

When you purchase a **Onefinity CNC** you can be confident that it will grow with you and your CNC journey. When you purchase a Onefinity you'll have the ability to upgrade to a larger size or add any accessory no matter what version Onefinity you have.

Via the revolutionary IPP (Infinite Possibilities program), when upgrading a Onefinity, a discount is given when you return parts you no longer require. We take these returned parts and refurbish them, pair them with other returned parts to complete a fully functional Onefinity CNC. We then use these units to help Veterans, Schools and Maker Spaces. We are very proud of this program !

The IPP Program first started with the Journeyman and X-50 Woodworker upgrades allowing users to quickly expand the size of their machine. We then added the Z-20 Heavy Duty Z-Slide to the Program. Recently, we launched the Elite Upgrade kit! The Elite upgrade kit allows you to upgrade your existing Onefinity machine to become part of the Elite class. An upgrade kit for the PRO to Elite will be available and because the PRO already features the Z-20 and Drag Chains, the kit will be more affordable!



Orders for the **Onefinity PRO Series** will start on December 4, 2023 at 10am EST . For a limited time, all **PRO Series** models will be 15% off and will include a Joy Pad, Touch Probe, 1/4" bit and a one year subscription to Carveco Maker 3D CAD/CAM program . To see videos, learn more and place your order, head over to the Onefinity CNC website.

**Important Note:** Any Customer that ordered a Onefinity **X-50** during the month of November 2023 will be automatically upgraded to the **PRO Series** free of charge.

[www.onefinitycnc.com](http://www.onefinitycnc.com)



 **ONEFINITY**  
One Machine Infinite Possibilities

**General Disclaimer:**

While Onefinity has made every effort at the time of publication to ensure the accuracy of the information provided herein, product specifications, configurations, system/component/options availability are all subject to change without notice. Product design specifications and colours are subject to change without notice and may vary from those shown. Errors and omissions excepted. Images displayed are for illustration purposes only. The images are intended to help illustrate the product and it's functions and are not indicative of actual relative differences.