**sparkfun**
START SOMETHING

SHOP   LEARN   BLOG   SUPPORT

Find a Retailer    Need Help? ▾

🛒 0    LOG IN    REGISTER

☰ PRODUCT MENU    find products, tutorials, etc... 🔍

SPARK **X**    EDUCATION    AVC    FORUM

{ }  ▦

## Nomad 883 Pro (Bamboo)

● TOL-14692

**DESCRIPTION**   **INCLUDES**   **FEATURES**   **DOCUMENTS**

- Travel (X): 8in
- Travel (Y): 8in
- Travel (Z): 3in
- Max Speed (X, Y): 100in/min
- Max Speed (Z): 50in/min
- Mechanical Resolution: .0005in
- Mechanical Repeatability: .0015in
- Mechanical Accuracy: .005in/ft
- Spindle Power: 70 Watt
- Spindle Speed: 2000-10000 RPM
- Spindle Collet: ER-11
- Max Cutter Diameter: 1/4in
- Power Supply: 240 Watt
- Voltage: 120/240V
- Weight: 60lbs
- USB Computer Interface

### Tags

BAMBOO   CARBIDE 3D   CNC   FABRICATION   MILLING   NOMAD   NOMAD PRO   ROUTER   TOOLS
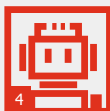
🐦 📘 📌 ◄ SHARE

## Nomad 883 Pro (Bamboo) Product Help and Resources

**SKILLS NEEDED**

### Core Skill: Robotics

This skill concerns mechanical and robotics knowledge. You may need to know how mechanical parts interact, how motors work, or how to use motor drivers and controllers.

**Skill Level: Experienced** - Your experiences should include working with stepper motors and feedback system. You may need to understand how encoders and more complex control systems work.

See all skill levels

### Core Skill: DIY

Whether it's for assembling a kit, hacking an enclosure, or creating your own parts; the DIY skill is all about knowing how to use tools and the techniques associated with them.

**Skill Level: Rookie** - Basic hand tools are required and instructions will allow more freedom. You may need to make your own decisions on design. If sewing is required, it will be free-form.

See all skill levels

### Core Skill: Programming

If a board needs code or communicates somehow, you're going to need to know how to program or interface with it. The programming skill is all about communication and code.

**Skill Level: Competent** - The toolchain for programming is a bit more complex and will examples may not be explicitly provided for you. You will be required to have a fundamental knowledge of programming and be required to provide your own code. You may need to modify existing libraries or code to work with your specific hardware. Sensor and hardware interfaces will be SPI or I2C.

See all skill levels

---

## Core Skill: Electrical Prototyping

If it requires power, you need to know how much, what all the pins do, and how to hook it up. You may need to reference datasheets, schematics, and know the ins and outs of electronics.

**Skill Level: Competent** - You will be required to reference a datasheet or schematic to know how to use a component. Your knowledge of a datasheet will only require basic features like power requirements, pinouts, or communications type. Also, you may need a power supply that?s greater than 12V or more than 1A worth of current.

See all skill levels

---

**COMMENTS** 0    REVIEWS 0

## Comments

⚙ Looking for answers to **technical questions**?

We welcome your comments and suggestions below. However, if you are looking for solutions to technical questions please see our **Technical Assistance** page.

Log in or register to post comments.

---

Email address    **SUBSCRIBE TO NEWSLETTER**

### ABOUT SPARKFUN
Read Our Story
Press & Media
SparkFun Education
Job Openings

### PARTNER WITH US
See Our Partners
Become a Distributor/Reseller
Receive Volume Discounts
Build a Custom Kit
Apply for a Hardware Donation

### SUPPORT
Customer Support
Purchase Orders & Payment
Terms
Technical Assistance
FAQs
Contact Us

### SITE INFORMATION
Terms of Service
Privacy Policy
Compliance
Site Map

SparkFun Electronics ® / **6333 Dry Creek Parkway, Niwot, Colorado 80503**

Questions? Feedback? powered by Olark live chat software