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## Nomad 883 Pro (Grey HDPE)

TOL-14771

DESCRIPTION

INCLUDES

FEATURES

DOCUMENTS

- Grey HDPE Case
- 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: 50 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

CARBIDE 3D

CNC

FABRICATION

GREY HDPE

HDPE

MILLING

NOMAD

NOMAD PRO

ROUTER

TOOLS

## Nomad 883 Pro (Grey HDPE) 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

Downloaded from [Arrow.com](#) w, 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](#)

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In 2003, CU student Nate Seidle fried a power supply in his dorm room and, in lieu of a way to order easy replacements, decided to start his own company. Since then, SparkFun has been committed to sustainably helping our world achieve electronics literacy from our headquarters in Boulder, Colorado.

No matter your vision, SparkFun's products and resources are designed to make the world of electronics more accessible. In addition to over 2,000 open source components and widgets, SparkFun offers curriculum, training and online tutorials designed to help demystify the wonderful world of embedded electronics. We're here to help you start something.

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