
Gerber Scientific Products, Inc.

Dimension 200[®]

Pre-Installation

Checklist



Dimension 200[®] Pre-Installation Checklist

This Pre-Installation Checklist will help you prepare for the arrival of your Dimension 200[®] Router. There are four sections to the Pre-Installation Checklist:

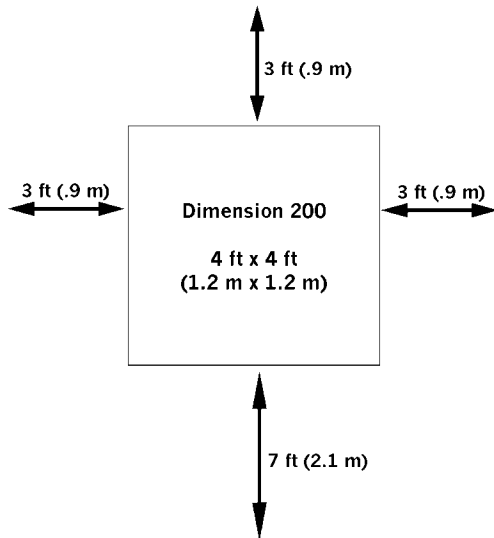
- 1. Site Preparation** provides specifications for the work area, operating environment and air supply and electrical requirements.
- 2. T-Vac[™] Table Option** provides ordering information, part numbers, and electrical specifications for the required optional equipment
- 3. Shipping and Receiving** provides physical specifications, handling instructions, aisle and doorway clearance information, and transportation claims instructions.
- 4. Protecting your investment** provides information about the Gerber Service Partners[™] Plan extended warranty.

Although each section is important, site preparation and ordering the T-Vac[™] Table Option equipment are critical for the smooth installation of your router. Please review and follow the checklist carefully. If you have any questions, please call Gerber Service at 860-644-6971.

1. Site Preparation

Site preparation provides specifications for the work area, operating environment and air supply, and electrical requirements.

Work Area Space Requirements



The Dimension 200[®] requires a work area of 10 ft x 14 ft (3 m x 4.3 m). This provides about 3 ft (.9 m) of space on either side and behind the unit, and 7-ft (2.1 m) in front. This space allows safe access from all sides of the machine. Extra room for storage of materials and supplies should also be planned. If a stand assembly was not purchased, you must provide a bench or heavy duty table on which the Dimension 200[®] can be placed. The bench or table must be able to support 300 pounds (136 kg). The "footprint" of the Dimension 200 is 4 ft square (1.2 m x 1.2 m).

Operating Environment

The operating environment should fall within a temperature range of 32°F - 98.6°F (0°C - 37°C), and within a relative humidity range of 0% - 70%.

☑ Air Supply Requirements

The Mist Coolant System requires approximately 0.5 CFM of compressed air at 60 - 100 pounds per square inch, which can be provided by a 0.25 to 0.5 horsepower compressor.

☑ Electrical Requirements

The Dimension 200[®] requires an input voltage of 200 V - 250 V, single phase, 50/60 Hz. Line voltage must be determined prior to installation. The receptacle must be near the Dimension 200[®], and must be easily accessible. It must be wired by a licensed industrial electrician prior to installation. If there is no wall within six feet of the unit, a ceiling drop should be provided. The system is equipped with a 12-foot power cord.

Input Voltage	200 - 250 VAC, single phase
Input Frequency	50/60 Hz
Circuit	
Domestic Model	Minimum 30 Amp service, dedicated circuit required.
Export Model	Minimum 20 Amp service, dedicated circuit required.

WARNING: Internal voltage taps must be set by the installation technician prior to plugging the machine into the electrical outlet.

➔ Dimension 200[®] Connector Description

The electrical outlet receptacle (which you provide) must be installed prior to the installation of the Dimension 200[®]. **You MUST use the receptacle specified below.** DO NOT substitute another receptacle in its place. **Do not tie G and W together. You will damage the equipment.**

Receptacle for Dimension 200 [®] Domestic model.	Receptacle for Dimension 200 [®] Export model.
<p>NEMA L14-30R 125/250V</p>	<p>NEMA L14-30R 125/250V</p>

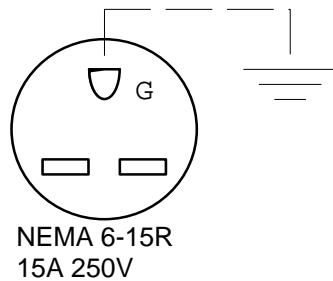
Note: Refer to the Country List on page 6 of this checklist to determine if domestic or export models are shipped to your country.

➔ **High Frequency Spindle Option**

The High Frequency Spindle Option speed controller requires its own dedicated electrical circuit in addition to the circuit used by the Dimension 200®. It must be wired by a licensed industrial electrician.

Input Voltage	200-240 VAC±10%, single phase
Input Frequency	48-62 Hz
Circuit	15 Amp service, dedicated circuit required

The following illustration shows the outlet receptacle for the High Frequency Spindle Option.



➔ **Chip removal System**

The Chip Removal System requires a wet/dry shop vacuum with a 2.5 HP motor and a 2 1/2" (6.35 cm) diameter hose to attach to the Chip Removal System. Plug the Chip Removal System motor into the outlet in the Electrical Box.

2. T-Vac™ Table Option

This section provides ordering information and pre-installation instructions for the T-Vac™ Table Option equipment.

T-Vac™ Table Option Requirements

The T-Vac™ Table Option requires that you purchase a vacuum filter, vacuum relief valve, and vacuum blower. Part numbers of the equipment and electrical requirements are provided in the enclosed T-Vac™ Table Option Fact Sheet.

Gerber has made arrangements with the supplier, Airtech, Inc., to purchase these items at a substantially discounted price. To order them, contact:

Mr. Vijay Kumar
 Airtech, Inc.
 Phone: 203-761-1107
 Fax: 203-761-1244
 Email: papakumar@cs.com

Note: When ordering, it is important to mention that your order is for a Gerber routing system. This qualifies you for the discounted price.

In addition to the above equipment, Gerber recommends that you purchase a Siemens® vacuum blower control panel. This control panel saves you time and money during installation and provides your system with an on/off switch, motor overload protection, and overheating protection. You will also have a choice between the factory pre-wired blower or the standard non-wired blower.

Note: When ordering the control panel, please specify your facility voltage to ensure that the control panel/starter is equipped with the correct coil.

CAUTION: The vacuum blower motor should be wired by a licensed industrial electrician. Gerber recommends the electrician wire a magnetic starter and a thermal overload heater element to the vacuum blower motor.

If you have any questions regarding the equipment listed above, please contact Vijay Kumar at Airtech, Inc.

3. Shipping and Receiving

This section provides physical specifications, handling instructions, aisle and doorway clearance information, and transportation claims instructions.

Physical Specifications

The system and all options are usually shipped in one crate. Below are the physical specifications of the crated and assembled system.

Crated Dimension 200® System				
	Length	Width	Height	Weight
Dimension 200 System (without options)	57.25 inches (1.45 m)	57.25 inches (1.45 m)	35 inches (.89 m)	600 lb. (272 kg)

Assembled Dimension 200® System				
	Length	Width	Height	Weight
Table	48.25 inches (1.23 m)	47.25 inches (1.2 m)	22.5 inches (.57 m)	300 lb. (136kg)
ADVANTAGE Router Control Station	12 inches (.31 m)	7 inches (.18 m)	6.5 inches (.17m)	
Option Stand Assembly	38 inches (.96 m)	48.25 inches (1.23 m)	36 inches (.91 m)	

Handling instructions

Gerber Scientific Products will ship the Dimension 200® FOB Manchester, CT. Common carrier service may be provided directly to the installation site. The Dimension 200® is a precision machine tool and should be handled accordingly/ Never lift the system higher than absolutely necessary or transport it in an abusive manner.

Note: Either you or your Distributor must make provisions for unloading the Dimension 200® from the truck and moving it to its destination

Aisle and Doorway Clearance Information

The minimum aisle or doorway clearance for a packaged Dimension 200® is 60 inches (1.52 m). Be sure there is sufficient clearance for cornering the package. If your minimum clearance is less than 60 inches, please call Gerber Service for special instructions.

Handling Transportation Claims

Gerber Scientific Products also offers the following guidelines for handling transportation claims. Since your Dimension 200® is shipped FOB Manchester, CT, you, the customer, are responsible for any occurrences relating to the system after it leaves our dock. The following guidelines will assist you with identifying possible damage and the procedures to follow to file a claim. Three primary transportation claims are **loss**, **visible damage**, and **concealed damage**.

Important notice: If your shipment suffers loss or damage, please contact your Distributor as soon as possible.

➔ Loss

A carrier's driver will have a delivery receipt itemizing the contents of the shipment. You and the driver should physically count the items as they are delivered and verify them with the delivery receipt. If the shipment is not complete, make a loss notation on **ALL** copies of the delivery receipt, which you and the driver should sign.

Clearly and concisely note the shortage on the delivery receipt and the customer copy. Describe **EXACTLY** what is missing; do not just write "one piece short."

➔ Visible Damage

When the carrier delivers your shipment, you must examine **EACH** container as it is delivered. If any container shows evidence of damage, open the package **IMMEDIATELY**. You and the driver should make the inspection together. List and describe the damage on the delivery receipt and have it co-signed by the driver. Again, describe the visible damage in as much detail as possible, not just in general terms.

➔ Concealed Damage

This is the most difficult type of claim to collect from the carrier. The burden of proof reverts to you, the customer, to prove the shipment suffered the damage or loss while in the carrier's possession. The carrier holds a clear delivery receipt with no notation describing damage or loss. The longer the shipment is in your possession, the more difficult it is to collect from the carrier. Time is of the utmost importance.

As Soon as possible after receiving your shipment, carefully open each crate. Inspect everything for damage or loss. As soon as you discover concealed damage or loss, telephone the carrier **IMMEDIATELY** and request an inspection. Be sure to ask the name of the person you talk to, and write it down. **IMMEDIATELY** confirm your telephone conversation with a letter directed to that person.

If you Discover damage (as opposed to loss), stop unpacking and do nothing further to disturb the shipment. Save all packaging and leave the damaged equipment exactly where it is, if at all possible.

The carrier or it's agent will make the inspection within five working days after you, the customer, report the concealed damage or loss. If the carrier does not make the inspection or waives inspection, you should make the inspection and record all information to the best of your ability. All reports of concealed loss or damage must be received by the carrier within fifteen working days.

4. Protecting Your Investment

From the date of installation, your router is covered by a standard router warranty that includes all necessary replacement parts and factory labor for the period of one year and on-site labor and expenses for the first ninety - 90 days.

Additional coverage to protect your router investment beyond the standard warranty period is available through one of Gerber's router service plans. Gerber's Service Partner's plan for Router Products covers all necessary replacement parts and factory labor for the period of one year. Our Gerber Guardian Plan for routers covers all necessary replacement parts, factory labor, on-site labor and expenses, and one preventative maintenance visit during the one-year term of the plan. (The Gerber Guardian Plan is available in limited geographical locations.)

As a special bonus, customers may purchase up to three years of service plan coverage if they do so during the original one-year warranty period. Purchasing multiple years of coverage protects your router from potentially costly repairs while protecting you from future service plan price increases. Multi-year purchases are only available during the warranty period. After the warranty period expires, service contract coverage can only be purchased one year at a time.

Complete information about pricing and availability of Gerber service plans is available through the support section of our web site, www.gspinc.com, or by calling your distributor or Gerber Service at 1-800-828-5406.