

ErgoHeight™ Work Stations

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Your Comprehensive Equipment Source





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Safety Notice

A thorough familiarity with all operating guidelines is essential to safe operation of the product. Failure to observe safety precautions could result in poor performance, damage to the system or other property, or serious bodily injury or death.

The following symbols are intended to call your attention to two levels of hazard involved in operation:



CAUTION

Cautions are used when failure to observe instructions could result in significant damage to equipment.



WARNING

Warnings are used when failure to observe instructions or precautions could result in injury or death.

The information presented here is subject to change without notice.

1.0 Introduction

This manual provides information on installing and operating your Terra ErgoHeight™ Work Station.

By studying this document carefully, you can be assured of a long, efficient service life from the unit.

2.0 Description

Terra's ErgoHeight™ Auto-Adjusting Cleanroom Work Station can be easily raised and lowered to accommodate people of differing heights comfortably.

It incorporates a high-torque, low-RPM motor inside each of two lifters located on the right and left sides of the table. Each lifter safely handles 210 pounds of net load, for a total net load of 420 pounds.



WARNING: Loads over 150 pounds must be uniformly distributed (centered between the two support columns) or damage to the lifting device could result.



A control panel mounted on the front of the bench top frame contains all necessary switches for up/down table motion and for leveling the work surface. This capability makes the bench ideal for use with process equipment that requires height adjustment to suit individual operators, as well as for leveling the system or interfacing it with adjacent operations. Standard height range is 28" to 48" floor-to-top.

All parts are designed for cleanroom compatibility. The thermally protected lifters are completely sealed inside the legs to ensure particle retention.

For operation of the Vibration-Free ErgoHeight™ Work Station, refer also to QuickStart Document No. 1800-62.



3.0 Installation

Carefully unpack all system components and check for missing or damaged parts. Any damage should be reported immediately to the shipping company.

The ErgoHeight™ Auto-Adjusting Work Station is shipped fully assembled, ready for operation. The front control panel is divided into parallel and memory drive functions: the first two (up and down arrows) move the bench up and down in parallel, and the remaining four buttons operate memory functions.

A/B. Activate parallel Up/Down motion

- C. Memory 1 Setting
- D. Memory 2 Setting
- E. User Select Button
- F. Store Memory Button



To initialize and level the system

1. Connect the bench to a grounded, 115VAC, 50/60Hz power source (international models connect to 230VAC, 50Hz power)
2. Lower the bench top to the bottom position by pressing the “Down” button.
3. Then, raise the bench top to the desired working height by pressing the “Up” button.

To store memory positions,

The ErgoHeight™ can store two memory positions for each of two users (four total). To specify a position in memory, you must first specify whether the position is for User 1 or User 2, then program the two heights for each user.

1. Press the “U” (User Select) button.
2. Within two seconds, press either “1” or “2” to specify the user.
3. Raise or lower the ErgoHeight™ work surface to the desired position.
4. Press the “S” (Store Memory) button.
5. Within two seconds, press either “1” or “2” to store the position in memory.
6. Repeat this sequence for the remaining user memory positions.

To retrieve memory positions,

1. Press the “U” (User Select) button.
2. Within two seconds, press either “1” or “2” to specify the user.
3. Within two seconds, press either “1” or “2” to specify the user.
4. The ErgoHeight™ will bring the work surface to the position specified in memory for the selected user and memory setting.



4.0 Maintenance

Wipe surfaces clean of dust and dirt regularly to ensure cleanroom compatibility. Use a clean, non-woven wiper for best results. Cleaners and disinfectants must not be highly alkaline or acidic (pH value between 6 – 8).

5.0 Specifications

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Dimensions: 30" or 34"D x 36", 48", 60" or 72"W

Height Range: 28" to 48", floor-to-top (20" of travel)

Lifters

Protection:	Class IP 20
Duty Cycle:	10% ~ 6 min. per hour, or 2 minutes at continuous use at full load
Max. Speed:	43 mm/sec.
Current:	3.5 amp. at max. thrust per lifter (typical)
Power:	115VAC, 50/60 Hz (230VAC, 50Hz available)
Temperature:	+5°C to +40°C ambient



6.0 Warranty

Products Manufactured by Terra: Terra Universal, Inc., warrants products that it manufactures to be free from defects for a period of 12 months for parts and 90 days for labor, commencing from the date of shipment. Terra's sole responsibility is to repair or replace, at its option, any part of the product that proves defective or malfunctioning during this time limit. In some cases, components incorporated in Terra Universal products are covered by additional warranties from component manufacturers; obtain specific information from Terra sales representatives. This warranty is void if the equipment is abused or modified by the customer, is operated outside Terra's operating instructions or specifications, or is used in any application other than that for which it is specified. This warranty does not include routine maintenance or service procedures, breakage of quartz baths after 60 days, shipping damage, nor damage from misuse, intentional or unintentional abuse, neglect, natural disasters, or acts of God.

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Generally, customers can improve the chance of collecting on a freight claim by following these procedures: 1) formally requesting that the carrier inspect the shipment immediately upon suspecting damage or shortage to verify condition; 2) notifying the carrier upon discovery of concealed damage and requesting an inspection within 15 days of receipt, both in person or phone and following up via mail; 3) keeping the shipment as intact as possible, including retaining original packaging materials and keeping the product as close to the original receiving location as possible; 4) holding salvage for disposition by the carrier.

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**Thank you for ordering from
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