

HSP  
INTEGRA DENTAL CHAIR  
Model #2001



Operation and Service Manual

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**For superior quality, value and service at the best possible prices.**

Health Science Products, Inc. (HSP) is a world-class manufacturing, technical and marketing organization that seeks to provide the finest quality, most advanced dental and medical equipment and sundries at the best possible prices. With years of professional experience in the market, HSP understands your needs and realizes that they change in an ever-changing market. Our knowledge and involvement in all aspects of the profession have propelled our commitment to build and offer the best products at the best price, providing what most Doctors believe to be the best return on investment in the industry.

HSP can provide you with the highest quality products at the best value. By pre-paying direct, you reduce our administrative costs and other overhead, allowing us to pass the savings on to you. As you review HSP quality, price and features we are confident you will agree.

Our superior value Dentassist Dental Units are finished in high quality, high impact ABS plastic for easy cleaning. The HSP Dentassist Dental Unit is constructed of the highest quality materials and sets the industry standards for ergonomic design, simple maintenance, long life and productivity. Our products are complete systems custom built to the clients' specifications and carry our standard 12-month warranty, with national service and installation available.

Office/operator design and layout planning services are offered by HSP; contact us about your office plans.

Testimonials from our clients are available on our website: [www.hspinc.com](http://www.hspinc.com), in our video package and upon request.

To place your order, inquire about owning HSP equipment or to ask questions about any of our products or services, call toll free 1-800-237-5794 and our professionals will personally respond. We are committed to serving you!

**INTRODUCTION TO THIS OPERATOR'S AND SERVICE MANUAL**

The owner or service personnel can refer to the Dental Unit component guide within this manual to correct most problems. It will list specifications for the major components. This manual is a step by step service and repair guide, including how to remove and replace each of the major components of the Dental Unit. HSP encourages the owner to call us first, toll free, to discuss various situations before paying an outside person to take time and resources from the owner for an initial diagnosis. We believe the time spent to solve an equipment problem is the Doctors' choice, first, and with little time to spare in a busy practice our "live" technical assistance can save the practice unnecessary costs. Often the Doctor can complete the repair without on-site service calls.

You can increase your efficiency and productivity, now! Call HSP today!

Sincerely,

Health Science Products, Inc.

# GENERAL INFORMATION

## HSP Integra 2001 Dental Chair

This manual presents HSP products in a format that enables the user to understand the operation and the construction of the chair. The ultimate purpose of this manual is to save the owner time and money through easy installation, usage, trouble-shooting, self-diagnosis and self-service.

Should the owner have difficulty with our equipment and cannot find the solution in this manual, please call us Toll-Free at (800) 237-5794 or fax us at (205) 251-0419. You may also e-mail us at [www.hspinc@wwisp.com](mailto:www.hspinc@wwisp.com) or visit our website at [www.hspinc.com](http://www.hspinc.com). or write to us at:

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# GENERAL INFORMATION

## HSP Integra 2001 Dental Chair - Electrical & Safety Certification

### Intertek Testing Services

The Dental Chair has been tested and approved by ITS for all medical safety standards and conforms to USA standard for medical and dental equipment (UL 2601-1) and to the Canadian standard for electro-medical equipment (CSA 601-1). The Dental Chair is ETL listed.



The Dental Chair is marked with a product identification label including manufacturer, serial number and date of manufacture. This label is located on the front of the Dental Chair base.



The Dental Chair is marked with a caution symbol. This label is located on the front of the Dental Chair base.



The Dental Chair is marked with a Risk Class symbol. This label is located on the front of the Dental Chair base.



The Dental Chair is marked with a main electrical grounding point symbol. This label is located on the front left side of the Dental Chair steel base frame, under the plastic cover.



### Designed for True Four-Handed Dentistry

The HSP Integra 2001 Dental Chair has been designed to meet the criteria and specifications as set forth by university research to provide the patient, operator and assistant correct body positioning as well as ideal see-ability. The chair provides for increased patient comfort and allows the dental team to reduce physical stress and maximize productivity.

# GENERAL INFORMATION

## HSP Integra 2001 Dental Chair

### UNPACKING AND INVENTORY GUIDE

1. Please observe the first rule of freight receiving by inspecting the shipping cartons for obvious damage to the shipment
2. HSP equipment is packaged and placed in a suitable freight container that protects against normal shipping shocks and damage.
3. When unpacking, remove the equipment from the shipping container completely. This will ensure that no small parts are left in the shipping material or crate.
4. You are ready to inventory your equipment shipment. If you find a shortage or error, please call our toll free line so we may reconcile the error in the most efficient manner possible.

We at HSP have developed a superior equipment order and quality control system. Our equipment is shipped pre-tested, completely assembled and packaged to prevent damage during shipment.

### INSTALLATION COORDINATION



**ELECTRICITY** - The electrical service 110 volt - 20 amp, if routed through the junction box, should terminate in the template location shown. Conduit, if used, should terminate no more than 1/2" above the floor. Electrical service provided should either have a third wire or conduit ground even if not required by local codes. All electrical components are to be hospital grade and installed completely by your contractor.

Upon request, HSP will provide the installer manuals and templates. The HSP template is available to the contractor performing the utility installation to advise him of the placement and the utilities required.

HSP encourages the equipment owner to provide the Owners Manual to the service personnel for preview prior to the actual installation. These same service or installation personnel will need to inspect the site for accuracy prior to actual equipment installation.

For most installations, your HSP Integra 2001 Chair is to be plugged into the HSP junction box, 110 volt - 20 amp or floor outlet under the toe board.

## GENERAL INFORMATION

### HSP Dentassist Dental Unit - Installation Coordination

#### **Tools Needed:**

1. Phillips head screw driver
2. Crescent wrench
3. Set of Allen wrenches



When you receive your Dentassist Dental Unit:  
**\*\*\*IMPORTANT:** Read all instructions before removing unit from carton or operating the unit and chair.

1. Check the carton for damage in the presence of the delivery personnel and mark any damages on the freight bill. Note: We are not responsible for damages occurring while merchandise is in transit after leaving our facilities. The freight company is responsible for damages occurring while shipments are in their possession. Report all damages to the freight company immediately. Freight damage claim forms are available from the carrier.
2. Open each carton by cutting the bonding materials. Remove all staples and tape around each carton. (This will avoid any damage to the unit and chair during the unpacking process.)
3. Lift the carton off the unit and chair. Note: The carton must be pulled straight off the unit and chair. (This will avoid any damage to the unit or chair upholstery).
4. After opening the carton and removing the contents, remove the carton from the immediate area.
5. Unscrew the chair retainers from the wood slats on the carton base. Lift the unit and chair and remove.
6. Remove the unit and chair from the wood skid by lifting the unit and chair from under the bottom steel plate.
7. Properly place chair in the operatory and plug into 110 volt - 20 amp outlet. (See: HSP junction box template with specifications.)

## GENERAL INFORMATION

### HSP Dentassist Dental Unit Warranty

#### **HSP Limited Product and Component Warranty**

Health Science Products, Inc. (HSP), an Alabama corporation, warrants that its products, equipment and merchandise shall be free from any defects in material or workmanship for a period of twelve (12) months from date of purchase, subject to the conditions set forth herein.

The liability of HSP is limited to the repair or replacement of products or component parts that prove to be defective (excluding labor). Parts proving defective will be repaired or replaced free of charge, FOB Birmingham, Alabama. If said defective products or component parts are returned to HSP for inspection, the purchaser must prepay freight charges.

This warranty does not apply to products or component parts subject to abuse, misuse or alteration or to defects resulting from accidents or damages sustained in shipping.

HSP reserves the right to make changes in design or improvements upon its products or equipment previously manufactured or sold. HSP makes no representation or warranties with respect to the contents hereof and specifically disclaims any implied warranties of merchantability or otherwise or fitness for any particular purpose. HSP does not guarantee or warrant that any practitioner will experience any of the same benefits from our products. Each individual has unique abilities, in-abilities and health conditions. Therefore the benefits that you experience, if any, may vary.