

HY-803 Dental Unit(integrated dental chair, constant temperature water lines, LED light)

HY-803



Characteristics of 803 dental unit

The HY-803 integrated dental unit adopts high-quality polyether water hose and trachea which is resistant to acid, alkali and corrosion. The dental chair is equipped with a TIMOTION DC motor, so it is stable and durable.

803 dental chair is equipped with infrared induction dual control reflective LED . And 803 dental chair uses PU seamless fabric which is smooth and durable.

The workbench is equipped with many high-quality components such as PVC pads, silicone keypads and aluminum alloy self-locking arms.

Technical Parameters

Electrical parameters

Total power: 800VA

Input power: single-phase AC 220V \pm 5%, 50Hz

Idle speed of high-speed gas turbine hand piece: \geq 35X104r/min

Idle speed of low-speed gas turbine hand piece: $\geq 18 \times 10^3 \text{r/min}$

Illumination of oral cold light: 10000LX~15000LX

Illumination of dental X-ray viewer: $\geq 2000\text{LX}$

Weak suction saliva ejector valve: vacuum level $\geq 25\text{KPa}$, suction flow $\geq 510\text{ml/min}$

Strong suction saliva ejector valve: vacuum level $\geq 25\text{KPa}$, suction flow $\geq 750\text{ml/min}$

Physical parameters

Dental chair base: 880mm X 600mm

Total weight: 170Kg

Maximum height of seat cushion from ground: $\geq 800\text{mm}$

Minimum height of seat cushion from ground: $\leq 430\text{mm}$

Maximum angle of seat cushion back: $\leq 10^\circ$

The range of backward angle: $105^\circ \sim 170^\circ$

The expansion range of headrest: $0 \sim 120\text{mm}$

The load capacity of the 803 dental unit: $\leq 1350\text{N}$

The classification of medical instruments: class II a

Noise: $\leq 42\text{dB}$

Component introduction

Dental chair



1. Fully computer controlled operation. The dental chair has automatic reset, patient position, and special memory functions. The main control board and sub-control board are both equipped with computer keys and an instrument tray mat.

2. The power system uses a Taiwanese linear silent motor, with an overall height adjustment time period of only 9 seconds. The power system does not require any maintenance.
 3. The lowest position of the chair: $\leq 430\text{mm}$, The highest position of the chair: $\geq 800\text{mm}$. Maximum negative weight bigger than 135Kg.
 4. The dental chair is equipped with a double armrest, with the outer armrest capable of opening as needed. The chair's balancing arm uses a pressure lock design, and the arm joint uses a pull-down plane bearing, allowing users to freely push/pull the instrument as needed.
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Main Operation Push button Panel

1. The handpiece is placed underneath, and is equipped with a water adjustment button for each handpiece. An instrument tray with a silicone soft mat is also equipped, with an oversized tool table used to place more treatment tools.
2. The dental chair is equipped with a low-voltage dental X-ray viewer with a balanced luminosity, making it easy for dentists to carry out clinical treatment.
3. The chair has a three-way syringe (water, gas, water mist) for use with cold or hot water, and a head that can be removed for easy cleaning and disinfection.
4. The chair is equipped with an infrared-induction LED with adjustable intensity. The dental chair has a built-in pure water system that can also switch tap water usage.
5. Through the use of a multifunctional pedal, you can simply and efficiently control chair lift, backrest pitch, working status of handpiece, quantity of handpiece water, chip air and water supply for spittoon.



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Assistant Operation Panel

1. Assistant operated frame is equipped and its moving range is wide. There are 9 function buttons, including computer keys that control operation of the flushing spittoon, rinsing, the closing of the patient position and oral light. In addition, the chair is equipped with a suction saliva ejector valve, which has an intensity control button in order to facilitate control of the suction flow.
 - 2: This department also has a three-way syringe (water, gas, water aerosol) and a removable head for easy cleaning. It is also equipped with a vacuum filter.
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Spittoon

1. Spittoon is made of melamine food-grade materials. The integral removable spittoon, whose body adopts a smooth design without sharp edges, can rotate 90 degrees for easy cleaning and disinfection.
 2. The water flow is very smooth and the water speed is not less than 4L/min.
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Water supply system

The water supply system can switch between pure water and tap water. It can directly connect to the hospital's purified water system. In addition, the system has pipeline disinfection equipment to ensure water quality and safety. It is equipped with 2 water bottles to improve work efficiency.

Optional ground box

The ground box is movable and located on the side of the dental chair. The main box is made with vacuum formed technique, ensuring the box is corrosion resistant and will not fade. It also makes the assistant frame easy to operate with four hands, as well as easy to maintain. An optional ground box can be installed on the dental chair, with the two being coordinated together to take up a small space. It is equipped with one switch for the control of water, gas and electricity, and will automatically drain to keep the air dry.

Standard/Optional

Standard configuration

24V DC Electrostatic Chair

Quantitative and constant temperature water supply control system of cuspidor bowl rinse and mouth rinse cup fill

assisted control system

Spittoon that can rotate 180 degrees

Strong/weak suction saliva ejector valve system

Three-way springe (cold/hot)

Handpiece water purification device

Integral tray, cup holder and tissue box on dental unit

Dental X-ray viewer

Induction/manual intraoral cameras

Multifunctional pedal

Dentist seat

Comfort PU fabric cushion

High-quality anti acid, alkali and oil (polyether) corrosion water / trachea

Taiwanese brand TIMO Tlon DC Motor

Optional configuration

Imported four-hole high-speed handpiece

Imported four-hole low-speed handpiece

Domestic scaler

Light Emitting Diode

Top-mounted instrument tray

Oral cavity endoscope

Switch of water, electricity and gas

High-quality imported solenoid valve

LED surgical lamp

U.S. imported water/trachea

Induction/manual intraoral cameras

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dental equipment, teeth clinic device, dental chair, dental treating system

Inquiry Form