

12 Equipment

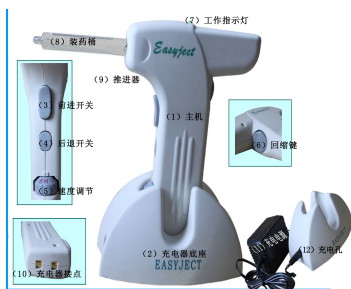
12.1 Painless Injector

12.2 Light Curing Unit

12.3 Mercurial Caps Mix

12.4 Dental Spot Welder

12.1 Painless Injector



Name	Painless Injector
Type	MZT
Unit	set
Part-Number	106101

The Painless Injector is made by update worldwide technique, which have the leading function including: Infinitely-variable-speeds, Absorb-back and Fast-homing. The machine could helps the operate to be easy , precision and grading. While it can help the patients to be safety, relax and painless.

12.2 Light Curing Unit

2.1 ZGH-B2L



Type	ZGH-B2L
Unit	set
Part Number	101121

ZGH-B2L Technical Parameter

- 1、Power Supply: AC220 50Hz  
Power Consumption: 10W
- 2、Wavelength:  $\geq 380\text{nm}$
- 3、Working timing: timing error  $\leq 2\text{S}$
- 4、Curing depth: High light 10S, curing resin deeper than 2mm
- 5、Light 20S, the temperature increasing rate less than  $15^{\circ}\text{C}$
- 6、Noise: less than 55dB
- 7、Condition: working temperature:  $+5^{\circ}\text{C} \text{---} +40^{\circ}\text{C}$       Relative Moisture  $\leq 80\%$
- 8、Storage Condition:  $-40^{\circ}\text{C} \text{---} +50^{\circ}\text{C}$       Relative Moisture:  $\leq 80\%$
- 9、Net weight: 550g

## 2.2 ZGH-B1L



Type	ZGH-B1L
Unit	Set
Part Number	101112 LED

### **ZGH-B1L Technical Parameters:**

1. Power input AC220 50Hz    Power consumption 10VA
2. Spectral characteristics: wavelength no more than 380nm
3. Timing: Timing error: not more than 2S
4. Cure depth: with 10 seconds of light curing, resin depth not less than 2mm
5. Lighting 20 seconds, the temperature rise not more than  $15^{\circ}\text{C}$
6. Noise is not greater than 55dB
5. Enviromental conditions: Operating temperature  $+5^{\circ}\text{C} \text{--} +40^{\circ}\text{C}$  relative humidity  $< 80\%$
6. Storage conditions: Storage temperature  $-40^{\circ}\text{C} \text{--} +50^{\circ}\text{C}$  relative humidity  $< 80\%$
7. Unit weight: 500g

## 2.3 ZGH-B1N



Type	ZGH-B1N
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Unit	Set
Part Number	101131 Halogen Lamp

#### **ZGH-B1N Technical Parameters:**

1. Power input AC220 50Hz Power consumption 100VA
2. Spectral characteristics: wavelength no more than 380nm
3. Timing: Timing error: not more than 2S
4. Cure depth: with 10 seconds of light curing, resin depth not less than 2mm
5. Lighting 20 seconds, the temperature rise not more than 15 °C
6. Noise is not greater than 55dB
7. Environmental conditions: Operating temperature +5°C-- +40°C relative humidity <<80%
8. Storage conditions: Storage temperature --40°C-- +50°C relative humidity <<80%
9. Unit weight: 3700g

#### **2.4 ZGH-A1L-S**



Type	ZGH-A1L-S
Unit	Set
Part Number	101222 Pen Style

#### **ZGH-A1L-S Technical Parameters:**

1. Power input AC220 50Hz output DC9V 500mA Power consumption 10VA
2. Spectral characteristics: wavelength no more than 380nm
3. Timing: Timing error: not more than 2S 10s,20s,30s three style
4. Cure depth: with 10 seconds of light curing, resin depth not less than 2mm
5. Lighting 20 seconds, the temperature rise not more than 15 °C
6. Noise is not greater than 55dB
7. Environmental conditions: Operating temperature +5°C-- +40°C relative humidity <<80%
10. Storage conditions: Storage temperature --40°C-- +50°C relative humidity <<80%
11. Unit weight: 150g

#### **2.5 ZGH-A1L-Z**

Typ	ZGH-A1L-Z
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Unit	Set
Part Number	101223
	Direct Charger

#### **ZGH-A1L-Z Technical Parameters:**

1. Power input AC220 50Hz output DC9V 500mA Power consumption 10VA
2. Spectral characteristics: wavelength no more than 380nm
3. Timing: Timing error: not more than 2S 10s,20s,30s three style
4. Cure depth: with 10 seconds of light curing, resin depth not less than 2mm
5. Lighting 20 seconds, the temperature rise not more than 15 °C
6. Noise is not greater than 55dB
7. Environmental conditions: Operating temperature +5°C-- +40°C relative humidity <<80%
12. Storage conditions: Storage temperature --40°C-- +50°C relative humidity <<80%
13. Unit weight: 150g

#### 2.6 Light Bulb 397-111

#### 2.7 Light Conduit



Type	I II III
Unit	Each
Part Number	901102

### **12.3 Mercurial Cap mix**

#### 3.1 YG-III



Type	YG-III
Unit	Set
Part Number	102102

- **Revolve** according to "8" model
- **Oscillation freq** 4300/min
- Free selectable **mixing time**(1-99 sec)
- **Works effortlessly:** practical capsule holder with its automatic snap shut retention

3.2 YG-II	YG-II
Type	
Unit	Set



Part Number	102101
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This mixer is specially designed for **handling amalgam capsules**. Fitted with a digital display for **mixing times** from 1 to 99 seconds, the mixer operates with **frequency** of 2850 oscillations/min at low noise and vibration levels.

### Specifications

Norminal Voltage	220V 50Hz	110V 60Hz
Input Power	40W	35W
Vibration Frequency	2850 oscillations/min	3450 oscillations/min
Dimensions	L: 220 W: 178 H:119 (mm)	
Weight	3.4kg	

\*Specifications are subjected to change

### 12.4 Dental Spot Welder



Type	ZDH-I
Unit	Set
Part Number	105101 Preheat

### Description

Dental spot welder is a new product of dental orthodontic treatment and teeth repair development in recent years. It is safe, reliable, easy to use and fast and good in welding performance, so it has been widely used in orthodontics. ZDH-I dental multifunction spot welding machine is our latest design, it applies not only to orthodontic, but also can be used for the welding of small parts of the electrical instrumentation and other industries.

### Principle and Structure

When dental spot welder is at work, compress and power-on two weldments needing connected, the two interfaces will produce large amounts of heat. In a very short moment, metal at the interface is rapidly heated to its melting point temperature. In this way, the weldment is tightly welded together.

Our dental spot welder adopt computer CPU to directly control the trigger. During Welding, it instantaneously release massive energy and can work continuously. By adjusting the electrical energy, it is suitable for welding different specifications of stainless steel, wire

and so on

**Technical Parameter**

Power supply voltage:  $220V \pm 10\%$  or  $110V \pm 10\%$

Power Frequency: 50Hz/60Hz

Input power: less than 0.5KVA