

DENJOY DENTAL CO., LTD

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Professional Manufacturer for Endodontic Devices Since 2004



**Traffic Route Instruction for Your Convenience**

To find flights, please visit <http://www.skyteam.com/en>

- 2.5 hours by air from Beijing to our city
- 1.5 hours by air from Shanghai to our city
- 1.5 hours by air from Hong Kong to our city
- 1.3 hours by air from Shenzhen to our city
- 1.3 hours by air from Guangzhou to our city
- 2.5 hours by high-speed railway from Guangzhou to our city
- 45 minutes from Changsha airport to our factory

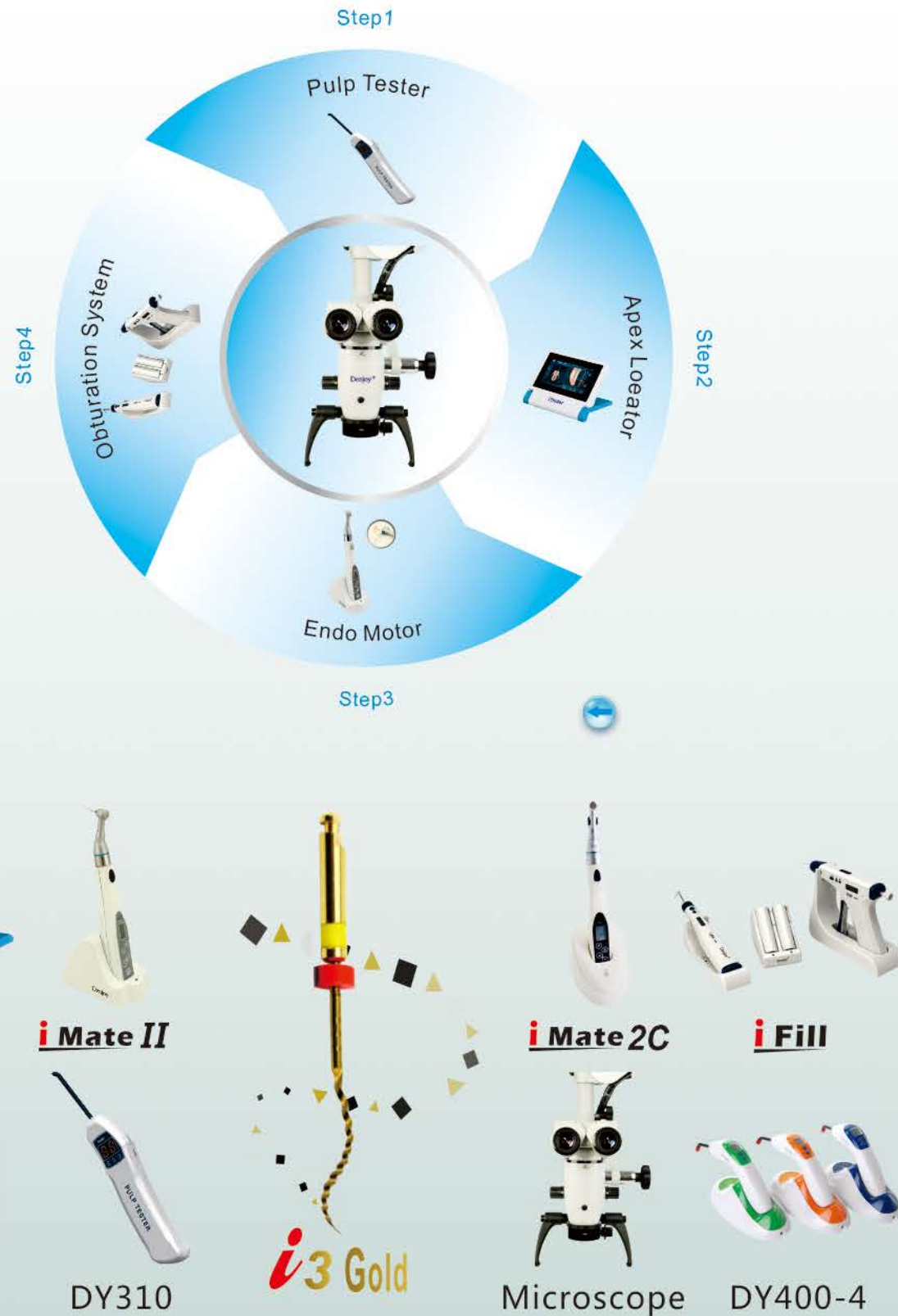
# Denjoy®

Endodontics Specialist Since 2004



# Morden Root Canal Treatment

# Pulp Tester DY 310



Pulp Tester DY310 is designed for testing the teeth nerve by a pulse current by generating and displaying a test signal of normalized value!

### Features:

- Preset speed mode (high-mid-low speed). A gentle, pulsed stimulus begins to increase at a rate
- Specifically designed for patient comfort. If the patient indicates perception, simply release the button. The stimulus stops immediately, but the numbers remain frozen on the screen for about 3 minutes.
- Convenient to operate. Maximum stimulus--80. Between 0--40, the patient feels ache and anaesthesia, alive teeth nerve. Between 40-80, with above-mentioned reaction, part of teeth nerve dead. 80, no above-mentioned reaction, dead teeth nerve.
- The device turns itself off three minutes later after operation (No wasted batteries).
- Long and short test electrodes suit into different teeth positions.
- Autoclavable test electrodes and stainless hooks to avoid cross infection.



Whole set of accessories



Autoclavable Short and Long Test Electrodes

### Specifications:

N.W.	about 220g
size	136*30*24mm
Battery-operated	6F22 Standard 9v

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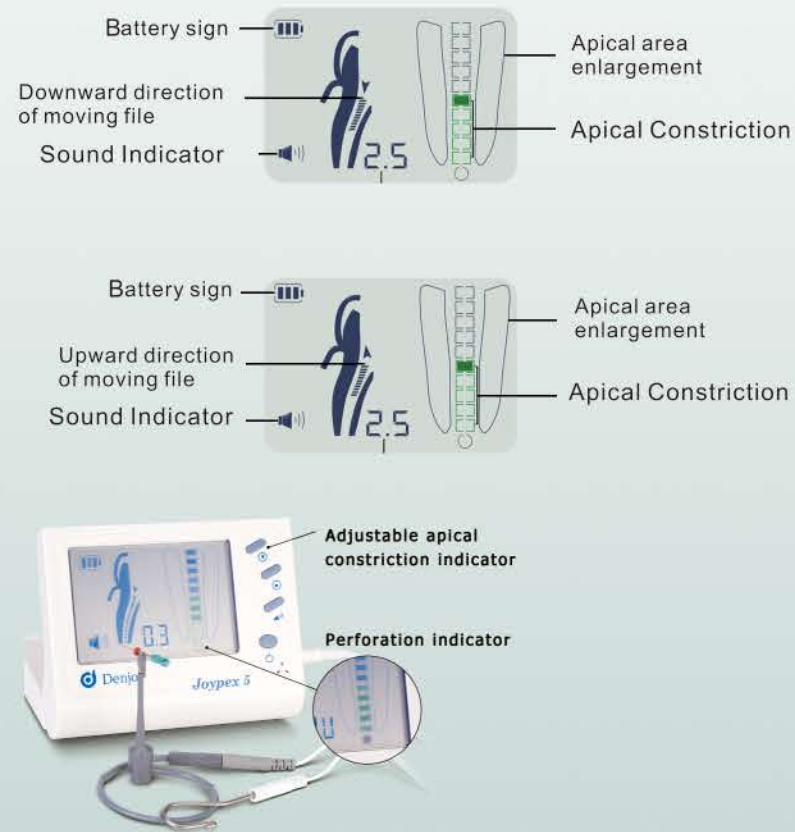
# Apex Locator ROOT PI(Joypex 5)



Joypex 5 Apex locator adapts the newest foldable design in order to help dentists adjust the LCD to their most convenient angle.

## Features:

- Self calibration
- Works in dry or wet canals (Blood, Hypochlorite, Saline, etc)
- 0.1 mm length determination
- 97.4% Accuracy at 0.5 mm level
- LCD screen display with real-time graphic of root canals
- Beep alarm to indicate the apex when the display number on the LCD is below 2mm
- Adjustable WL bar for different anatomies
- Steady reading around the apical foramen(apical constriction)
- Autoclavable file holders and contrary electrodes to avoid cross infection
- Foldable design
- Accuracy at 97.4%



# Apex Locator ROOT PI(iFive)



## Operating Features:



1  
"2.0" The file enters the canal.

2  
"2.0"- "1.5" The file is in the pre-apical zone.

3  
"1.0"- "0" The file is in the apical zone.



## Pocket-size, Multifunction

Slim and lightweight body is convenient for doctors to carry and operate.  
High-capacity lithium battery, low energy consumption, safer and more efficient.  
True Color LED differentiate root canal area.



## Comfortable Control

**Dual control endodontic file moving**  
Breathing light indicates charging.  
Visual control and progressive sound control with 3 volume levels.

## Easier Operation, Higher Accuracy

**DSP multi-frequency apex locator technology**  
Suitable for a variety of complex root canal environments.  
Powerful data analysis and processing capabilities.

→ **Remark:** 2.0-0.0 is not the real distance(mm), it means the file push toward the apex.

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# Apex Locator ROOT PI(iFinder)



## Distinctive Features:

- High-precision Touch-Screen LCD
- Image save function with Micro-SD memory card (TF card)
- Equip with separate test instrument which can check the operation of control part and spare parts of apex locator when apex locator doesn't measure well
- Touch-screen operation and traditional key control both available



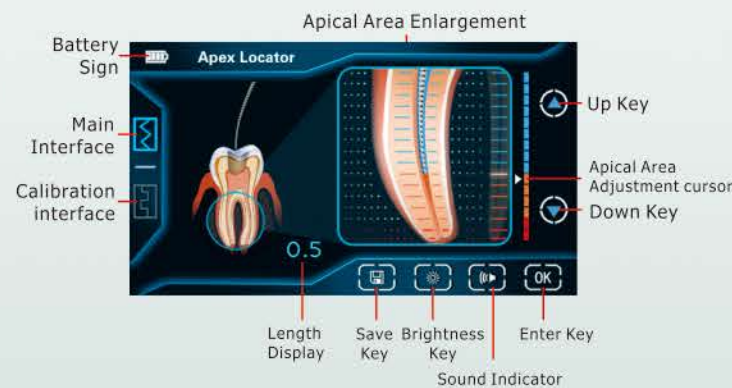
## Other Features:

- 4.3 inch large color screen with real-time graphic of root canals
- Foldable design to create more choices for view angle
- Up-to-date Multi-frequency operating system
- Rechargeable, do not need prepare extra battery

## Specifications:

Control Handpiece			
Size	132mm*120mm*31mm	LCD size	95mm*53mm
Battery	3.7V 2200mAh		
Charging Base			
Adapter Input	100-240V 50/60HZ 0.25A	Charging Base Output	5V 1A

## LCD Panel:



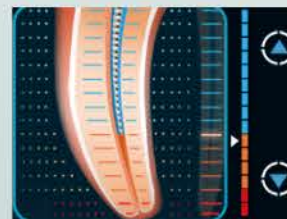
## Accessory:



Whole Set Of  
Apex Locator Accessory



Calibrator



Apical area setting

# Endo Motor RCTI-DY(II)



30° reciprocating rotate  
handpiece for hand file.

## JoySmart Endo Motor with apex locator 2 in 1

It adopts brushless electric motor to more accurately control the speed and torque.

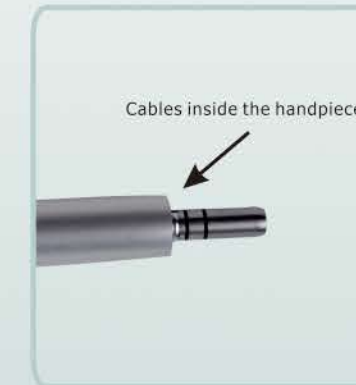
- Apex Locator and Endo Motor function can be used separately
- Standard configuration is China-made 1:1 HP contra angle
- Adjustable torque range 0.6-5.2 N\*cm, speed range 100-650 r/min
- Three auto-reverse modes: Auto-reverse, Auto-stop, Auto-shutdown functions
- Saving function: 10 program settings for speed and torque can be memorized



Old one with cables  
outside



Updated one without  
cable outside



Updated one with cables inside



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Notes: Standard accessories exclude Ni-Ti file and 30 reciprocating rotate handpiece for hand file.

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# Endo Motor iMate-II



## Features:

- Torque control from 0.3 to 3.0 Ncm (Depending on the gear ratio selected)
- Speed range 140-600rpm
- Cordless handpiece delivers freedom of movement
- 6 program settings can be memorized
- Three auto-reverse modes: Auto-reverse, Auto-stop, Auto-shutdown functions
- Standard configuration 16:1 mini contra angle for engine file
- 16:1 reciprocating rotate mini contra angle for manual file are available
- High capacity lithium-ion battery provides stable and prolonged usage.
- Contact type charge design

## Specifications:

Control Handpiece			
Torque range	0.3-3.0Ncm	Speed range	140-600rpm
Battery	3.7V 1050mAh	Weight	210g
Adapter			
Input	100-240 50/60HZ	Output	5V 1A



## Unique Reciprocating Contra Angle for Manual File

It can imitate manual root canal enlargement, which providing **safe and high-efficiency 30 degree reciprocating.** High efficiency, Safety, avoid breaking file.



## Contact Type Charge Design

Easy operation, quick charge  
Installing high capacity Li-on battery can stand-by up to 15 days.

## Optional Contra Angle Head

Reciprocating Contra Angle for Manual File: replace manual root canal enlargement.

Couple System Design:

The contra angle head can be connected with the motor handpiece at 6 adjustable head positions, it is convenient to operate for different teeth.



# Endo Motor iMate-II(iM2c)



## Features:

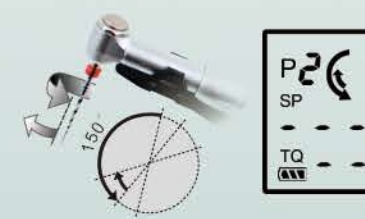
- Perfect Human Engineering design, portable for operation
- 20:1 mini contra-angle with 6 adjustable directions
- 6 working modes: reciprocating, continuous rotation, single forward rotation and single reverse rotation
- Optional 20:1 reciprocating contra-angle is available, adapt to manual file
- High light LED, better for observing root canal
- Build-in high-capacity battery, continuous rotation 20 hours

## Specifications:

Control Handpiece			
Torque range	0.6-4.0Ncm	Speed range	120-500rpm
Battery	3.7V 800mAh	Weight	210g
Adapter			
Input	100-240 50/60HZ	Output	5V 1A



- 1 More clear vision for clinic.
- 2 No need to adjust the lamp on the chair, Easy for operation.
- 3 No suffer the pain of being illuminated by the light.



The reciprocating technique makes it possible to shape most root canals using only one single Denjoy "Free File"



After making some special treatment at the fracture section of the broken file, using appropriate ring drill to withdraw the broken file by assist of microscope

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# Cordless Gutta Percha Oburation System DY-GP

# Endo Hand File Hand Plugger

Heating 3s to 200°C



Heating 23s to 200°C



Standard Configuration:

Pen Tips 4 PCS



Injection Needles 3 PCS Silver Material GP Bar (20pcs/pack)

## Features:

- Cordless use make operation easier and more convenient
- Injection needle with 360° swivel (rotating) head that turns for easy use
- Heating is faster than before. Only 23 seconds to 200°C using iFill gun
- Forwarding gutta percha with trigger is no longer in a hard way
- Use OLED panel instead of nixie tube to avoid number display missing
- Improve the battery holding structure and injection needle structure
- Battery level and working status displayed on the panel

## Operation Procedure:



1. Select GP Point with taper suitable for root canal.



2. Select suitable heat tip, confirm working length.



3. Put GP point in position and cut off excess GP point.



4. Compact warmed gutta percha with Obturation pen repeatedly for vertical compaction.



5. Then put the injection needle of obturation gun into root canal for backfilling.



6. Use obturation gun to inject melting gutta percha into the rest part of root canal to full obturation.

## Specifications:

Obturation Gun			
Operation Temperature	180°C-200°C	Heating Time	25°C-200°C about 30 seconds
Obturation Pen			
Heat Tip 4pcs	F, FM, M, ML	Tips Operation Temperature	
Charging Base			
Lithium Battery	3.7V 1500mA	Out	

## Optional instruments NOT standard configuration :

### Positionable Hand Plugger



## Features of Positionable Hand Plugger : Patent No.:20122060695X

- Sometimes rubber positioning ring of hand plugger is moving during operation to cause over-filling That is why our POSITIONABLE hand plugger comes out
- The screw-type positioning ring will no longer move to avoid over-filling
- Made with superior quality stainless steel. More durable, lasts longer
- Sterilizable: 135 degree autoclave

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# LED Curing Light DY400-4



Mode DY400-4, most durable and high quality in China provide the most satisfied curing performance.  
DENJOY's top-selling product in the past 5 years

### Key Features :

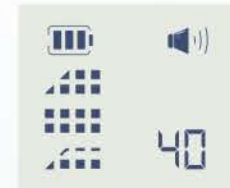
- DY400-4(5W)1000-1400mw/cm<sup>2</sup>,5/10/15/20/25/30/40S
- DY400-4(7W)2000-2400mw/cm<sup>2</sup>,5/10/15/20S
- High Output:Curing 3.5mm resin within 10 seconds
- Powerful:Full charge can use 200 times for 10s curing at a time
- Build-in light meter on charging base--test illumination level instantly
- Life time:charging for 10000times
- BEEP at each 5S to indicate remaining curing time
- Optical wave length:450-470nm

### Other Features :

- Three Curing Programs: Full/Ramp/Ramp to half power
- Cord/cordless use both available
- Radiating fan can cool the device and more durable in use
- Specially made battery contribute to reliability and durability

### Specifications:

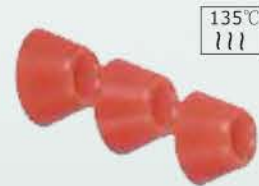
Input	110-240, 50/60Hz	Light guide diameter	Ø8mm
Output	8.7V	Output Current	0.6A
N. W.	700g	G. W.	900g
Charging time	2.5-3 hours	Lithium battery	7.4V, 1200mAh



Operating LCD display



Build-in light meter



Special Autoclavable  
Eye-protection cover tip



DY400-4(7W) with build-in Fan

# LED Curing Light DY400-6



LED curing light DY400-6 is our popular model with distinctive design in separating operation panel from display panel. This contributes to the convenient operation. It is equipped with 5W cool LED with the light intensity 1400mw/cm<sup>2</sup> which makes good curing performance.

### Key Features :

- Distinctive design in separating operation panel from display panel
- Patented product, Counterfeiting not allowed (201030157559.8)
- Light intensity: 1000-1400 mw/cm<sup>2</sup>
- Build-in light meter on charging base – test illumination level instantly
- BEEP at each 5-seconds to indicate remaining curing time
- Cordless – no messy wires
- Optical wave length: 400-515nm

### Other Features:

- Simple operation – 2 button operation and no complicated programs you never use  
Operation mode 1: Ramp mode 2: Fast mode: Full power all the time
- Various Curing Time: preset curing time 5/10/15/20/25 seconds
- No fan inside – unit is self-cooling and does not require a noisy fan
- Auto-shutdown after 3 minutes of no use
- Three colors available: Blue, Black and Orange



# Endo Rotary File RT File

## Features:

### Optimized Guiding Tip

Guiding tip with rounded end makes the preparation easier, minimizes canal deviations as well



### CM-wire Heat Treatment Technology

Brand new NiTi material, advanced thermal activation technology, provide a visual warning for the security of the file



### Wise Geometry

To prevent the file from staying in the dentin, better debris removal, file stress is minimized



## Operation Sequence



## Recommended Operation Sequence

- Exploring the root canal with 10#K manual file, and determining working length
- Using 15#,20# K file to dredge the root canal (or using Denjoy Endo Motor equipped 30° reciprocating hand file contra angle)
- Using flaring file at a speed of 350rpm and torque of 3.0N.cm to pre-open the coronal part, middle and upper part of the canal (File into the canal no more than 8 mm)
- At speed of 350rpm, torque of 1.6N.cm, orderly use files by 20#04(yellow),20#06(yellow), 25#06(red), in one or more passes in the presence of irrigant until the working length is reached

## Cautions

- Irrigate the root canal copiously and frequently during the shaping procedure. Lubricants such as NaOCl, EDTA are recommended. using 15#K file dredge the root canal to avoid blocked
- Each instrument stay in the root canal no more than 3 seconds, shaping procedure with irrigant until the file meets resistance or goes to length, clean & irrigate frequently.

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# Endo Hand File

## (Nickel-Titanium & Stainless Steel)

Dental Files			
K & H & R FILES (Handuse) (Length) 21mm,25mm,28mm,31mm	Stainless steel	08# 10# 45-80#	PKG of 6
	Nickel-Titanium	08# 10# 45-80#	
Ultrasonic Files	Stainless steel	08# 10#	PKG of 6
		15-40#	



# Medical Microscope



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# Medical Microscope

# Training Lecture



## Technical Data

### Basic Configuration

Magnification System	5-step manual magnification changer y=0.4x,0.6x, 1.0x, 1.6x,2.5x
Tubes	0° - 190° inclinable binocular tube, F=170mm
Eyepieces	12.5x wide-field eyepieces; also suitable for eyeglass wearers
Focus	F=250mm with fine focus fine focusing range 13mm
Illumination System	Integrated LED illumination,>60,000lx field of view diameter:Φ62mm with f=250mm objective lens
Filter	Yellow, green(without red)fitter, thermal filter
Light	LED, over 20,000 hours
Optional Accessories	Beam splitter and camcorder

## Over 200 Training lectures held in China each year



**Dr. Li**

Famous professor  
in dentistry for 40 years



Huhehaote



Baotou



Datong



Liuzhou



Qinhuangdao

*Training lectures held in Denjoy business partner countries.*



*Integrating of theory and practice, less risk of over-filling and perforation*



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**What we could offer you**

● **Professional and stable service team**

DENJOY focus on endodontics since 2004 and we produce all products displayed on our website www.denjoy.cn with formal CFDA license in China.

All sales representatives who directly contact our customers work for DENJOY more than 3 years. The same region will be responsibly managed by fixed sales representative.

● **Accepted expected quality level**

DENJOY offer you objective evaluation for products and do not overstate quality level.

● **Best proper Price**

The price will be quoted based on the quality raw materials with reasonable profit. DENJOY have strict supplier selection criteria to guarantee the quality of raw material.

● **Advantages:**

As manufacturer, immediate delivery and fast after-sale response system

● **To be your qualified supplier in China**

Qualified supplier selection criteria: industry credibility, company's history in dentistry, company's stability, staff's stability, quality of product, technical capability, price level, quality of service and response speed.

COMPANY

» Honor

Our footprint verify our dreams



- First Gutta Percha Obturator manufacturer in China and Obtain the registration certificate
- First Endo Motor manufacturer in China and Obtain the registration certificate
- First Due-Frequency and Multi-Frequency Apex locator manufacturer in china and Obtain the registration certificate
- First Portable Pulp Tester manufacturer in china and Obtain the registration certificate



Company Introduction

Denjoy Dental Co., Ltd is a professional manufacturer in China dedicated to R&D and production of full line of endodontic equipment in dental field! Our company has complete production and examination equipments and perfect Quality Management System ISO13485 with CE certificate approved by TUV Germany .

We are one of few manufacturers in global dental field to produce full set of root canal therapy equipments APEX LOCATOR, ENDO MOTOR and CORDLESS GUTTA PERCHA OBTURATION SYSTEM!

We are the earliest manufacturer to produce endo motor, pulp tester and GP obturation system in China!

Our advantage: specialty of products, immediate delivery and prompt after-service!