



The New Movement  
in Endodontics

# Dentaport ZX

Thinking ahead. Focused on life.

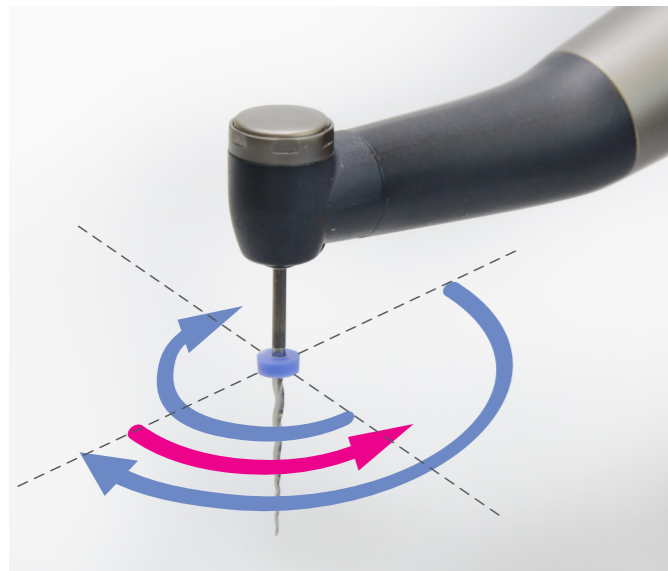
# OTR Low Speed Handpiece Module Revolutionary Canal Preparation Technology

## OTR Technology – A Safer Way to Clean and Enlarge Canals

The Dentaport ZX Low Speed Handpiece with OTR technology prepares root canals while displaying precise and accurate measurements. During file rotation, the torque is automatically measured. If the torque is less than the set value, the file rotation continues, but if the torque has reached the set value, the file reverses rotation by 90° and then continues in the cutting direction once again. OTR reduces file fatigue, as well as the possibility of file breakage. Lightweight, the handpiece it is ergonomically designed to minimize fatigue and fingertip stress and is ideal for endodontic access. It offers 8 speed settings from 150 to 800 rpm and 3 programmable memory modes.



The New Movement  
in Endodontics



- Cutting Direction
- Non-Cutting Direction

### Features at a Glance

Safely & efficiently clean & enlarge canals with OTR technology  
Standard Ni-Ti file can be used – no need for special files  
New contra head has internal file electrode  
OTR Module can be connected to any Dentaport ZX

### 6 Automatic Safety Features

**NEW! OTR (Optimum Torque Reverse)**  
When torque setting is reached, file auto reverses 90° then continues again in the cutting direction which is safer, reduces file fatigue, as well as the possibility of file breakage.

### Auto Motor Start/Stop

No foot switch required. Motor starts when file is inserted and stops when it is withdrawn.

### Auto Torque Reverse

Reduced file breakage. File stops and reverses if the torque goes over the set torque limit. There are 11 torque limit options.

### Auto Torque Slow Down

File slows down as the torque approaches the set torque limit.

### Auto Apical Reverse

Reduced file breakage. File stops and reverses when it reaches the end of the set working length. You can also set stops manually or adjust the interval between stopping and reversing.

### Auto Apical Slow Down

File slows down as it approaches the end of the set working length, ensuring safe and accurate preparations.

## Dentaport ZX measures root canals accurately and precisely.

Built on the industry standard Root ZX technology, Dentaport ZX will measure in both wet or dry canal conditions with class-leading accuracy of 97.5%.\*



### Accurate Measurement

The ratio technique used in the instrument provides a highly accurate detection of the file's location. The accuracy of the measurement is not affected by the presence or absence of blood, other discharges, electrolytes, saline, tap water, or hydrogen peroxide.

### No Zero-Adjustment

It is not necessary to set the device on zero before measuring each individual canal.

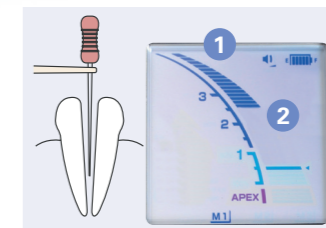
### Automatic Calibration

Automatic calibration ensures accuracy and eliminates the effect of changes in temperature, moisture, etc. inside the canal, even during treatment.

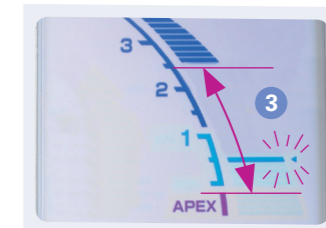
### Large Color Liquid Crystal Display (LCD)

The large color LCD screen is easy to read, and provides a clear progressive display with high contrast.

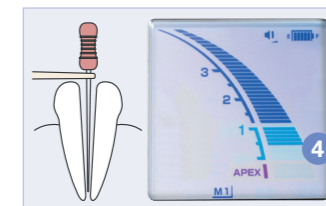
\* Independent study, data on file



1 Large Color LCD



2 File Position / Canal Length Indicator Bar



3 Adjustable Pre-position Bar / Apical Line

4 Green indicators illuminate when the file is approaching the apical constriction

## Dentaport ZX - Apex Locator



Rating: DC 4.5 V  
Power Consumption: 0.135 VA  
Size: W x D x H  
4.13" x 4.13" x 4.53"  
(105 x 105 x 115 mm)  
Weight: approx. 13.05 oz. (370 g)

Module, Probe Cord, File Holders (3), Contrary Electrodes (lip clips) (5), Function Tester, AA Alkali Batteries (3)

## OTR Low Speed Handpiece Module



Power Consumption: 1.92 VA  
Charger: Rapid Charge Type  
Size: W x D x H  
4.13" x 5.00" x 4.53"  
(105 x 127 x 115 mm)  
Weight: approx. 10.58 oz. (300 g)

Unit Includes: Micromotor, Contra Angle, Handpiece Cord, Handpiece Rest, AR Oil, AC Adapter, Battery (pre-installed), Foot Switch, Handpiece Plastic Sleeves (20)

OTR Module shown attached to Dentaport ZX Apex Locator





Development and Manufacturing

**J. Morita Mfg. Corporation**

680 Higashihama Minami-cho. Fushimi-ku,  
Kyoto-shi, Kyoto 612-8533. Japan  
T +81. (0)75. 611 2141, F +81. (0)75. 622 4595  
[www.jmorita-mfg.co.jp](http://www.jmorita-mfg.co.jp)

**Morita Global Website**  
[www.morita.com](http://www.morita.com)

Distribution

**J. Morita Corporation**

3-33-18 Tarumi-cho. Suita-shi, Osaka 564-8650. Japan  
T +81. (0)6. 6380 1521, F +81. (0)6. 6380 0585

**J. Morita USA, Inc.**

9 Mason. Irvine CA 92618. USA  
T +1. 949. 581 9600, F +1. 949. 581 8811

**J. Morita Europe GmbH**

Justus-von-Liebig-Strasse 27a. 63128 Dietzenbach. Germany  
T +49. (0)6074. 836 0, F +49. (0)6074. 836 299

**Morita Dental Asia Pte. Ltd.**

3 Science Park Drive,  
#01-05 The Franklin Singapore Science Park1, Singapore 118223  
T +65. 6779. 4795, F +65. 6777. 2279

**J. Morita Corporation Australia & New Zealand**

Suite 2.05, 247 Coward Street. Mascot NSW 2020. Australia  
T +61. (0)2. 9667 3555, F +61. (0)2. 9667 3577

**J. Morita Corporation Middle East**

4 Tag Al Roasaa, Apartment 902. Saba Pacha 21311 Alexandria. Egypt  
T +20. (0)3. 58 222 94, F +20. (0)3. 58 222 96

**J. Morita Corporation India**

Filix Office No.908, L.B.S. Marg, Opp. Asian Paints, Bhandup (West), Mumbai 400078, India  
T +91-22-2595-3482

**J. Morita Mfg. Corporation Indonesia Representative Office**

28F, Ciputra World Tower 1, Jl. Prof. Dr. Satrio Kav. 3-5, Jakarta 12940, Indonesia  
T +62-21-2988-8287, F + 62-21-2988-8201

**Siamdent Co., Ltd.**

444 Olympia Thai Tower, 3rd Floor, Ratchadapisek Road.  
Samsennok, Huay Kwang, Bangkok 10310. Thailand  
T +66. (0)2. 512 6049, F +66. (0)2. 512 6099  
[www.siamdent.com](http://www.siamdent.com)

Subject to technical changes and errors.

Diagnostic and Imaging Equipment

Treatment Units

Handpieces and Instruments

Endodontic System

Laser Equipment

Laboratory Devices

Educational and Training Systems

Auxiliaries