



## Root ZX<sup>®</sup> II – Endodontic Predictability Apex Locator with Low Speed Handpiece

 J.MORITA MFG.CORP.

Thinking ahead. Focused on life.

  
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## Root ZX II Key Features

### Endodontic Predictability

As the world's best selling apex locator, Root ZX II is renowned for its accuracy and dependability.

### Low Speed Handpiece Option

By attaching a module to the Root ZX II Apex Locator, the dentist can prepare canals using the Low Speed Handpiece.

## Root ZX II Features at a Glance

### Root ZX II – Apex Locator

#### Continuous, Accurate Measurement

Root ZX II accurately and precisely locates the position of the file inside the root canal.

#### 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.

### Low Speed Handpiece Module – Canal Preparation Instrument

#### Prepare Canals While Simultaneously Taking Measurements

Accurate and precise preparation of the root canal.

#### Motor Flexibility: 8 Speed Settings

150, 200, 250, 300, 400, 500, 600, 800 rpm

#### 5 Automatic Safety Functions

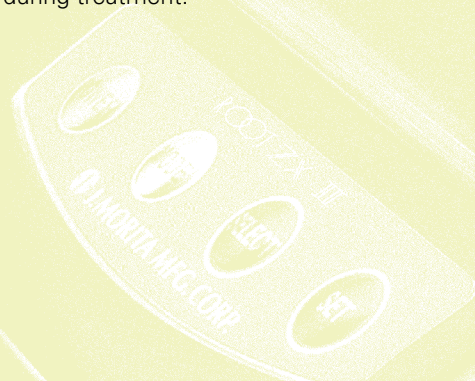
Auto Motor Start/Stop  
Auto Torque Reverse  
Auto Torque Slow Down  
Auto Apical Reverse  
Auto Apical Slow Down

#### Fully Programmable Settings

Root ZX II is equipped with 3 programmable memory modes.

#### Compact and Lightweight Handpiece Design

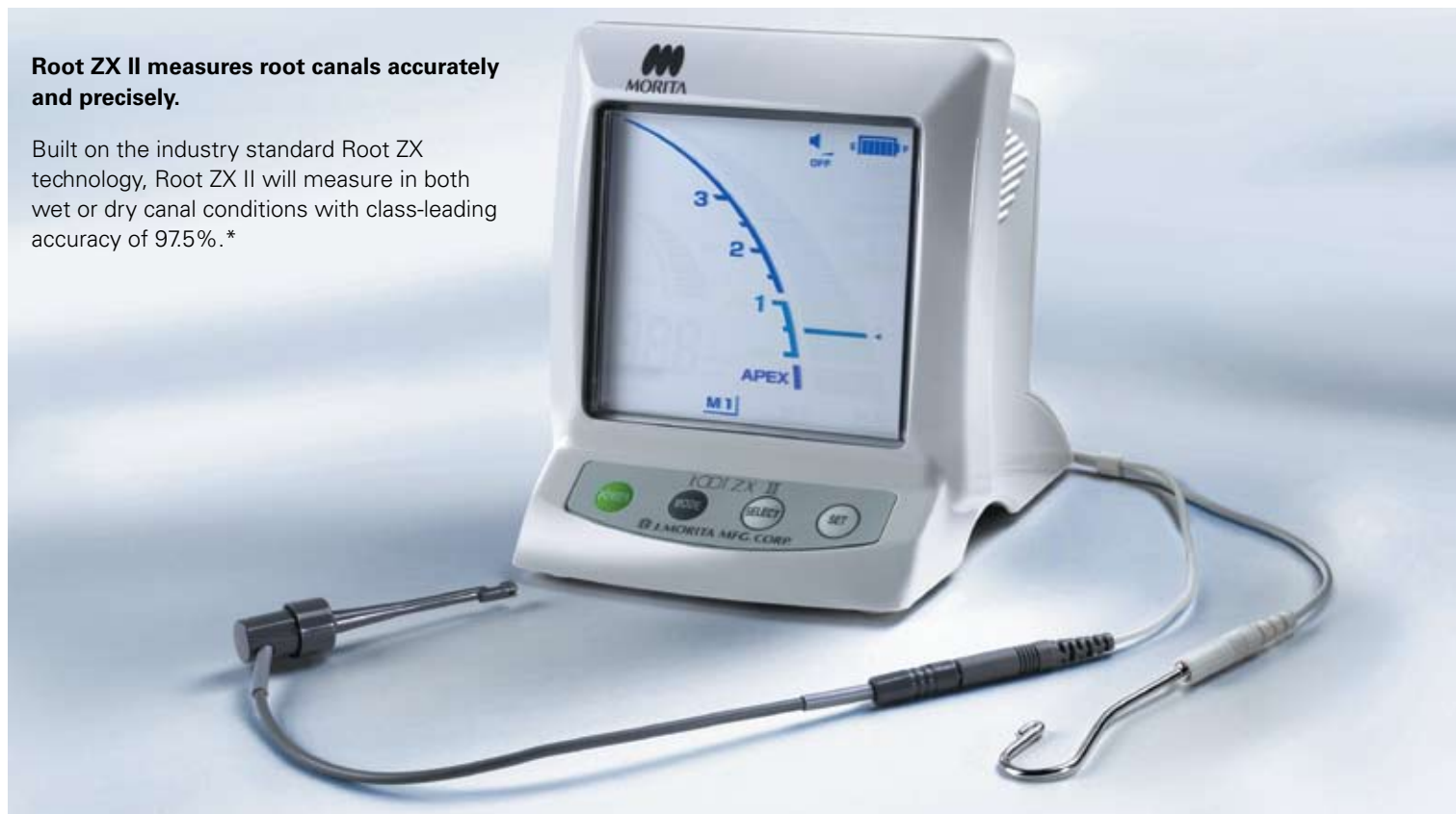
The Low Speed Handpiece features complete ergonomic design with ideal angles for maximum balance and access to the oral cavity.



# Root ZX II – Apex Locator World's Best Selling Unit

## Root ZX II measures root canals accurately and precisely.

Built on the industry standard Root ZX technology, Root ZX II 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

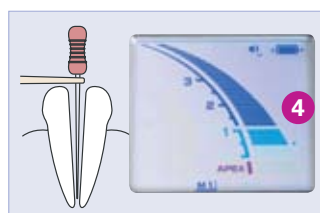
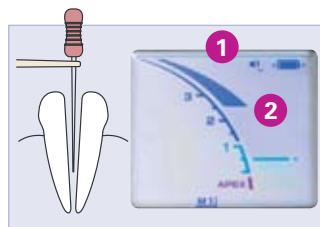
It is not necessary to set the device on zero before measuring each individual canal.

### 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.



- 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

\* Independent study, data on file



## Low Speed Handpiece Module Canal Preparation Instrument

The Root ZX II with Low Speed Handpiece prepares root canals while displaying precise and accurate measurements of the root canal.

By offering multiple automatic safety controls, the Root ZX II Low Speed Handpiece is the clear choice for today's general dentist or endodontist. It allows you to prepare canals with accuracy and precision, providing the predictability that is expected in today's dental practice. Root ZX II with Low Speed Handpiece - Safety First!

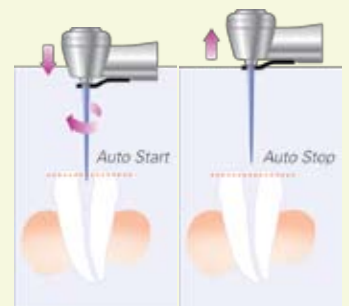


### Foot Switch for Easy Operation

When a canal measurement is not possible (or required) the Low Speed Handpiece has an optional foot switch. This enables the operator to use Root ZX II as a standard micromotor. The foot switch is especially useful for preparing the coronal third of the root canal.

### 5 Automatic Safety Functions:

- Auto Motor Start/Stop
- Auto Torque Reverse
- Auto Torque Slow Down
- Auto Apical Reverse
- Auto Apical Slow Down



No foot switch required  
**Auto Motor Start and Stop**

Motor starts when file is inserted and stops when it is withdrawn.

## Quick and Easy Handpiece Connection

Simply attach the handpiece option by using the quick connect joint for rotary endodontic preparations.

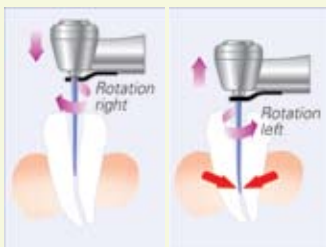


**The Low Speed Handpiece is ergonomically designed to minimize fatigue and fingertip stress. It is lightweight and ideal for endodontic access.**

■ Weight: only 2.47 oz. (70 g) (approx.)

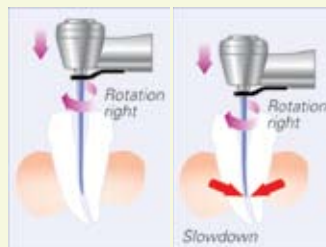
■ Speed: 150 to 800 rpm with 8 speed options

■ Compact head size: only .49" (12.5 mm)



### Reduced file breakage **Auto Torque Reverse**

File stops and reverses if the torque goes over the set torque limit. With 11 torque limit options, the Root ZX II Low Speed Handpiece is ideal for all today's rotary NiTi file systems.



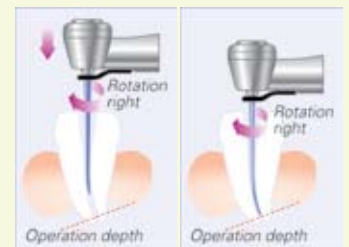
### Reduced file breakage **Auto Torque Slow Down**

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



### Accurate preparation **Auto Apical Reverse**

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.



### Precise control **Auto Apical Slow Down**

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

# Specifications

- 1 Root ZX II**  
 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)
- 2 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)
- 3 Root ZX II Main Tubing**  
 For Low Speed Handpiece
- 4 Root ZX II Micromotor and Contra Angle Handpiece**  
 Diameter: max. .71" (18 mm)  
 Length: 6.50" (165 mm)  
 Weight: approx. 2.47 oz. (70 g)  
 (including contra angle handpiece/head)



**Trade name:** Root ZX II  
**Model:** DP-ZX-VL

Manufacturer: J. Morita Mfg. Corp.



## Root ZX II - Apex Locator

### Apex Locator Accessories

- 1 x probe cord
- 3 x file holders
- 5 x contrary electrodes (lip clips)
- 1 x function tester
- 3 x DC 1.5 V AA battery

## Accessories



## Root ZX II and Low Speed Handpiece Module Apex Locator and Canal Preparation System

### Apex Locator Accessories

- 1 x probe cord
- 3 x file holders
- 5 x contrary electrodes (lip clips)
- 1 x function tester
- 3 x DC 1.5 V AA battery

### Low Speed Handpiece Accessories

- 1 x handpiece rest
- 1 x foot switch
- 1 x AR oil
- 1 x AC adapter (100 V-240 V 50/60 Hz)
- 20 x handpiece plastic sleeves

## Foot Switch



*Not all accessories pictured.*

*Design and specifications are subject to change without notification.*

# Ordering Information

## Apex Locator With Low Speed Handpiece

**Root ZX II Apex Locator - (Canal Measurement Module)** ..... 24-5336392

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

Probe Cord (Root ZX II) ..... 24-7503661

Probe Cord (Original Root ZX) ..... 24-107041

File Holders (5) ..... 24-107042

Contrary Electrodes (Lip Clips) (5) ..... 24-107043

Long File Holder ..... 24-8447047

Function Tester ..... 24-7503910

**Root ZX II - Low Speed Handpiece Module** ..... 24-5344271

Unit Includes: Micromotor (TR800), Contra Angle, Handpiece Cord,  
Handpiece Rest, AR Oil, AC Adapter, Battery (pre-installed),  
Foot Switch, Handpiece Plastic Sleeves (20)

Micromotor (TR400) ..... 24-7504500

Micromotor (TR800) ..... 24-7503950

Contra Head ..... 24-7503955

Handpiece Cord ..... 24-7503960

Handpiece Rest ..... 24-7503965

File Electrode ..... 24-7503988

AC Adapter ..... 24-7504060

Foot Switch ..... 24-7504015

Battery ..... 24-7504010

AR Oil (60ml) ..... 24-7503800

Handpiece Plastic Sleeves (500) ..... 24-541050

### Thinking ahead. Focused on life.

In 1916, Junichi Morita started to import products of the leading dental equipment manufacturers into Japan, where demands for modern dentistry were growing. His venturesome attempts of supplying selected products for oral healthcare has grown steadily by receiving valuable support and guidance from the dental profession. His enterprising spirit lives through the decades, and all Morita Group Companies join in continuing to pursue marketing, distribution and services, as well as R&D and manufacturing, in collaboration with world leaders in healthcare products and research organizations.

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