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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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- Treatment Units
- Instruments
- Laser Equipment
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- Auxiliaries



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**Dentaport ZX – Reliable Apex Location – Perfect Endodontics  
Curing with High-Powered Parallel Precision**



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Key product features include the apex locator and optional canal-preparation and light-curing functions. In addition, the multi-joint feature lets you change the function just by changing the handpiece.



## Main Features

**Modular Root Canal-Treatment Instrument Dentaport ZX**  
By attaching modules to the Root ZX Module, the dentist can prepare canals and use a light cure device.

**Multi Joint Tube**  
Simply switch handpieces to use whichever function you need.

**Compact and Light Handpieces**  
Both the motor and the light-cure handpieces are ergonomically designed to be well-balanced and fit perfectly in your hand.

**Programs**  
The instrument's programs can store three sets of values simultaneously.

**Canal-Measurement Function**  
Root ZX Module 2

## Dentaport ZX – Highlights at a Glance

### Apex Locator

**Continuous, accurate measurement**  
The instrument accurately and precisely locates the position of the file inside the canal in real time.

**Accurate for both wet and dry canals**  
Requires no calibration – measures accurately in all temperature and moisture conditions inside the canal.

**Audible signal with adjustable volume**  
The audible-signal option provides a sound-based identification of the file's position inside the canal.

### Canal Preparation function

**Prepares canals while simultaneously taking measurements**  
Accurately and precisely prepares the entire working length of the canal.

**Flexibility: 8 Speed Ranges**  
150 to 800 rpm

### Five-Function Auto Control System

Auto Apical Reverse  
Auto Apical Slow Down  
Auto Torque Reverse  
Auto Torque Slow Down  
Auto Start and Stop

### Light-cure function

**Powerful Parallel Light Beam**  
Maintains power even at a distance of 10 mm.

**Compact design**  
It easily reaches even the distal side of molar 7.



## Industry-Standard Apex Locator Root ZX Module

### Root ZX Module

Measures root canals accurately and precisely in both wet and dry conditions. Fully automatic, it does not require calibration for each individual canal. Both a meter and an audible signal tell you the position of the apical constriction.

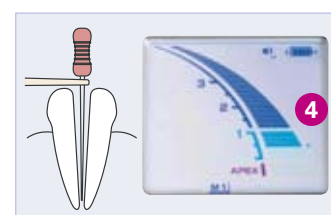
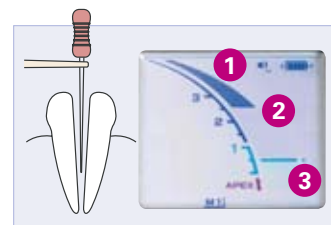


### Accurate measurement

The ratio technique used in the instrument provides a highly accurate detection of the file's location. Its accuracy is not compromised by wet or dry conditions. No calibration is required.

### Clear view, big liquid crystal display

Using big color display with high resolution and contrast, the location of the file can be observed clearly.



- 1 Large Color Display
- 2 Meter Bar (By ratio technique)
- 3 Adjustable Apical Line
- 4 Green Indicator for quick recognition of the apex (No Zero-Adjustment)

### Changable working length dot

The working-length dot for the measurement is easy to change. It can be adjust between 2 and APEX.

## Canal Preparation Instrument

By showing the file position anywhere from the opening of the canal to the apex and using an automatic control system with five linked functions, this instrument allows you to prepare canals with accuracy and precision up to any desired point inside the canal — and avoid file jamming and breakage.

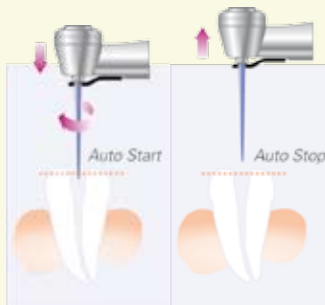


### Foot switch for easy operation.

You can attach the optional foot switch to use it as the micro motor on the dental units. When a root-canal measurement isn't possible, you can activate the motor by the foot switch. The foot switch is especially helpful for preparing the upper part of the root canal.

### Multi-linked Auto-Control System

Fully automatic with all auto controls linked. Each auto control can also be used separately.



No switch to turn on and off.  
**Auto Start and Stop**

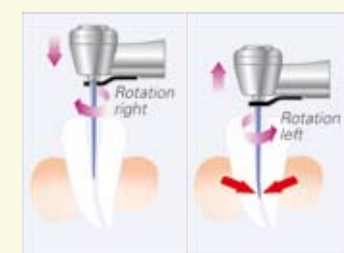
Motor starts when file is inserted and stops when it is withdrawn.



**A Smaller, Lighter, Finer Motor Handpiece**  
Ergonomically designed to minimize fingertip stress

**Comfortable Handling**  
The handpiece is both comfortable and sensitive.

- Weight: only 70 (approx.)
- Compact headsize: only 12.5 mm
- Speed 150 to 800 rpm with 8 speed ranges.



Prevent file jamming  
**Auto Torque Reverse**

File stops and reverses if the torque goes over the set torque limit. Torque limit can be set at 11 levels.



Accurate preparation for the entire working length  
**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 for the entire working length  
**Auto Apical Slow Down**

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



Prevents file breakage  
**Auto Torque Slow Down**

File slows down as the torque approaches the set torque limit

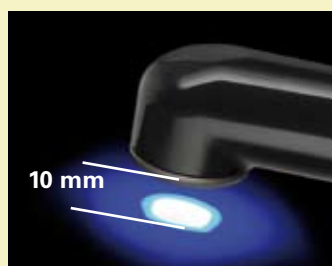
Easily add and change functions – both enlargement and light-cure functions are available

By attaching the canal-enlargement and light-curing module to the instrument, you provide a connection point for the handpieces that provide these functions. To change the function, simply exchange the handpiece.



**Parallel-light beam is powerful even at a distance**

Even at a distance of 10 mm, the light retains 80% of its power.



There is no difference of the size of the circle spot between 10 and 1 mm. So, the power does not change even at the distance of 10mm.



**In both cases, you will have enough Bond strength.**

It can be used for the bonding of the fiber post because of the high power at a distance of 10 mm.



Easily reaches the distal side of molar 7, normally a difficult task for instruments using a light guide. Can reach any place an air-turbine handpiece can.

## High Powered Light Curing

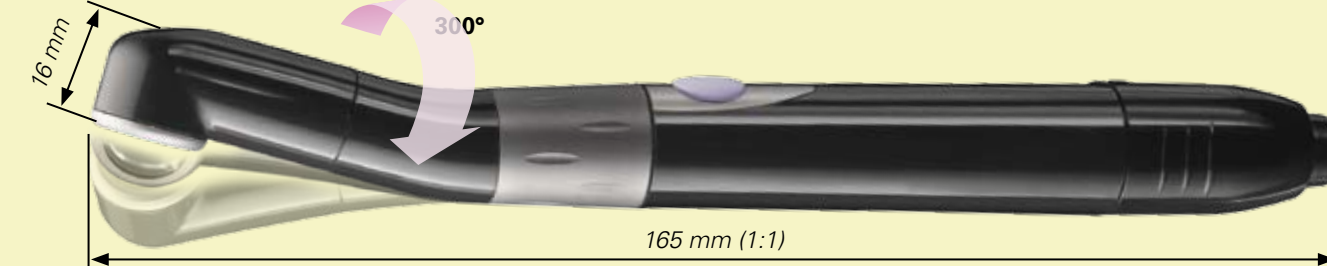
**A powerful light cure – with intensity 1,000mW/cm<sup>2</sup> – that works even at a distance of 10 mm. It delivers an even intensity both in the center and at the edges of the irradiation field. Resin Cure Time: 20 sec. Bonding Cure Time: 10 sec.**

### Set Irradiation Time

Set timer from 5 to 40 seconds in 5-second steps

### Quiet and Long-Lasting

The high-performance LEDs do not require a cooling fan, so there is no annoying noise.



### Light, compact light-cure handpiece

Ergonomic design for optimum performance and handling

### Compact Head Rotates

The light and compact head also rotates for ideal handling inside the oral cavity. Easily reaches molar areas.

- Head Diameter: 15.5 mm
- Head Height: 16.0 mm
- Weight: Approx. 60 g
- Head Rotation: 300°

### Perfectly Balanced

Ergonomically designed for optimum handling. The handpiece is perfectly balanced and designed to fit the hand exactly, so it reduces the stress and load on your fingertips.






# Specifications

- 1 Root ZX Module**  
Rating: DC 4.5 V  
Power Consumption: 0.2 VA  
Size: W 105 X D 105 X H 115 mm  
Weight: Approx. 400 g
- 2 Canal Preparation and Light Cure Module**  
Power consumptions: 20 VA  
Charger: Rapid Charge Type  
Size: W 105 X D 127 X H 115 mm  
Weight: Approx. 430 g
- 3 Main Tubing**  
For Motor Handpiece and Light Cure
- 4 Motor Handpiece and Contra Angle**  
Diameter: max. 18 mm  
Length: 165 mm  
Weight: Approx. 150 g
- 5 Light Curing Handpiece**  
Diameter: max. 18 mm  
Length: 150 mm  
Weight: Approx. 60 g




**Trade name:** Dentaport ZX  
**Model:** DP-ZX

Manufacturer: J. Morita Mfg. Corp.



Apex Locator


**1 6**



Apex Locator and Canal Enlargement

**Accessories**  
1 x handpiece rest  
1 x AR Spray  
1 x AC adapter  
(100V-240V 50/60 Hz)


**1 2 3 4 6**



Apex Locator and Light Cure

**Accessories**  
1 x handpiece rest  
1 x Disposable Covers  
(1 box of 100)  
1 x AC adapter  
(100V-240V 50/60 Hz)

**1 2 3 5 6**



Apex Locator, Canal Preparation and Light Cure

**Accessories**  
1 x handpiece rest  
1 x AR Spray  
1 x Disposable Covers  
(1 box of 100)  
1 x AC adapter  
(100V-240V 50/60 Hz)

**1 2 3 4 5 6**



Accessories

**6**

**Root ZX Module Accessories**  
1 x Probe Cord  
3 x File holders  
5 x Contrary Electrodes  
1 x Canal Length Tester  
3 x DC 1.5 VAA Battery



Optional

**Foot Switch**

# Motor Tri Auto ZX



## Cordless canal-preparation and measurement instrument

This instrument is a cordless handpiece that measures and locates the position of the file tip during preparation for safer and quicker treatment. When used with nickel-titanium files, which have exceptional flexibility, it can prepare even curved canals – which are usually quite difficult to treat.

### Three Auto Safety Functions

- Auto Start and Stop
- Auto Torque Reverse
- Auto Apical Reverse

### Canal Measurement Capability

### Easy handling.

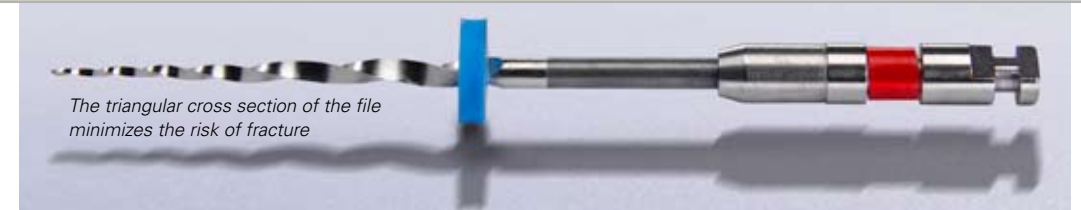
File tip-location identified by LEDs on handpiece and by audible signal.

### Battery-powered motor eliminates the bother of a cord.

Manufacturer: J. Morita Mfg. Corp.

# Related Products

EndoWave nickel-titanium files meet perfectly all the requirements for root canal preparation with a handpiece. They are optimally designed for use with the Dentaport ZX. Only five files are required for preparation in a straightforward sequence.



### Anti-screwing design

### Unique safety tip

### Optimum cutting edges

### Extremely smooth surface texture



The EndoWave file system includes two basic procedure kits: Kit A for normal root canals, Kit B for severely curved and narrow root canals

Colour-coded rings ensure the correct file can be quickly selected

Manufacturer: Name of Company

For detailed information please see separate Endowave leaflet.

Design and specifications are subject to be change without notification.