

Safe endodontics every step of the way

Modern treatment systems for perfect procedures

Endodontic procedures on the most delicate structures in confined spaces require a maximum of precision and tactility on the part of the operator. Safety will always have to come first — safety for the patient as well as safety for the dentist. Morita and its portfolio of endodontic solutions meet these requirements at the highest level, setting benchmarks for treatment perfection. The individual systems seamlessly integrate into the modern clinical workflow, from the initial clinical examination to complex chairside procedures and regular recall appointments.



Precise diagnosis

The first step in every successful endodontic treatment is a precise diagnosis based on accurate high-resolution 3D images provided by cone-beam computed tomography (CBCT). Morita supports these diagnostic efforts with its new Veraview X800 X-ray system for 3D, panoramic, and cephalometric images, slated to supersede the previous units. It offers a level of image quality that is unprecedented in a 2D/3D imaging system (resolution: 2.5 lp/mm MTF).

Safety always comes first – this versatile system not only produces quick and accurate images but also provides maximum operator and patient safety with minimum effective doses (ALARA, “As Low As Reasonably Achievable”). The system uses the proven dose-reducing R100 field with its triangular shape. Other advantages include exposures in both 180-degree and 360-degree mode, fast cephalometric exposures in just 3.5 seconds, or a zoom reconstruction function that derives an 80- μ m recording from a 125- μ m voxel recording without requiring a retake.

Morita X800 CBCT Unit

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Functionality, ergonomics, aesthetics

The Morita T100 is a dental treatment unit designed to combine functionality, aesthetics, and comfort for both dentists and patients. It incorporates features that enhance usability and efficiency in endodontic and general dental procedures.

Developed in collaboration with Studio F.A. Porsche, the T100 features a timeless aesthetic with a pure white body and customizable upholstery colors. Its compact design integrates seamlessly into any dental practice environment.

The pantograph lifting mechanism allows for smooth seat height adjustments (400 mm to 750 mm), ensuring accessibility for all patients, including children and elderly individuals. A wide backrest and optional luxury cushions provide additional patient comfort during extended treatments. The double-articulated headrest ensures optimal positioning of the patient’s head.

Intuitive controls include a tactile operating panel and a low-angle footswitch to minimize strain on the dentist’s ankle. The integrated instrument holder is designed for smooth movement and easy accessibility during procedures.

The Luna Vue TS LED light provides up to 30,000 lux brightness with four adjustable levels, ensuring clear visibility. An optional touchless sensor enhances hygiene by allowing contact-free operation.

The unit includes easy-to-clean holders and surfaces, supporting efficient infection control protocols. A large spittoon bowl and optional trays for personal items enhance patient convenience.

Compatibility with various tools, including ultrasonic scalers and micromotors, supports diverse dental procedures.

The Morita T100 is an excellent choice for dental professionals seeking a reliable, aesthetically pleasing, and functional treatment unit that balances cost-effectiveness with high-quality features.

Morita T100 Dental Chair

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Precision and safety for the root canal

Once the endodontist proceeds with the actual intraoral procedures, several high quality instruments are available to assist his or her delicate work. For convenient preparation of the access cavity, Morita offers the powerful TwinPower turbines and the handpieces of the TorqTech series. Offering maximum torque at small instrument-head diameters, they provide a good view of the area to be instrumented as well as sufficient space when treating molars. The essential next steps of the treatment are measurement, instrumentation, filling, and polymerization.

Morita has now added its new TriAuto ZX2 Plus cordless endo motor with apex locator. This system integrates the tasks of apex location and root canal preparation in a single handpiece. With its intelligent and innovative reciprocating motion, OGP2 mode was created to help you maintain the original root canal shape, regardless of whether it's curved or narrow. OGP2 mode is all-encompassing, allowing you to perform patency, glide path, and shaping. Additionally, with no limits on file size or cutting direction, your current file system is compatible. From a #10 scout file to the widest sizes available, the Tri Auto ZX2+ handles any CW/CCW file all in one mode.

This endo motor is the best for doctors who want to focus on treatment rather than settings and allows them to finish treatments with higher efficiency and reduced possibility of file breakage. Dealing with fractured files during endodontic treatments is often not easy. OGP2 reduces file binding and, when it does occur, the chance of the file breaking in the canal is greatly reduced. This is due to the OGP2 mode's intelligent reciprocating motion that prevents rotational deviations from accumulating.

All work steps for root canal treatment can be done with just one motor, from the establishment of patency and glide path to final shaping. OGP2 mode allows you to take advantage of the capabilities of your favorite files, both reciprocating and rotary, throughout the process.

In combination with the OGP2 function, the clinician can bring the endodontic instrument down to working length without fractures, blockage, or ledge formation. Ingeniously simple and absolutely safe. All in all, the TriAuto ZX2 Plus conserves natural tooth structure and makes the treatment even more efficient because only a limited number of files is required. Another striking feature of this endodontic system is its small head and low weight, making it very handy to use. The future-proof cordless concept significantly improves treatment flexibility for the operator and optimizes the clinical workflow.

Simple and intuitive operation and automated functions ensure reliable and safe results at all times. Increase patient comfort through shorter and smoother treatments by optimizing your workflows with Morita technology.



[View Range](#)