

# AdvErL Evo



Thinking ahead. Focused on life.

# AdvErL Evo

## **Virtually Painless Treatment**

The Er:YAG laser eliminates the vibration of a high speed handpiece providing a comfortable treatment option. Morita's AdvErL Evo, an Er:YAG laser, combines a stylish design with all the essential features of a laser treatment unit.

It is efficient, easy on patients, and useful for several treatment applications with a wide variety of tips.



# Er : YAG Laser Technology

## For a Wide Variety of Treatments



### Virtually Painless

The wavelength of the Er:YAG laser is most suitable for dental treatment because it is readily absorbed by water. Therefore, it efficiently vaporizes human tissue that has high water content and only affects the surface of that tissue. It also produces very little heat which keeps discomfort to a minimum.

### Less Trauma for Biological Tissues

Unlike CO<sub>2</sub> and Nd:YAG lasers, vaporization is concentrated at the surface of the tissue so the energy does not penetrate and damage deeper layers of tissue. It is also far less likely to produce cracks in the enamel, and it does not disperse energy to the area surrounding the irradiation target.

#### Hard Tissue Treatment

(ablation, vaporization)

Caries removal

#### Periodontal Treatment

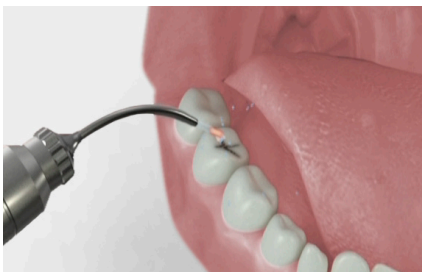
(incision, excision, vaporization, ablation and coagulation)

Scaling

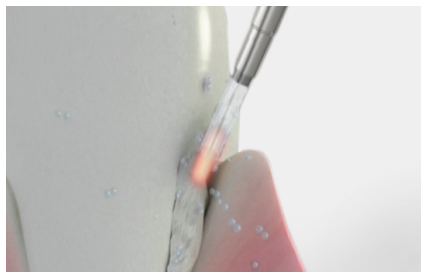
#### Soft Tissue Treatment

(incision, excision, vaporization, ablation and coagulation)

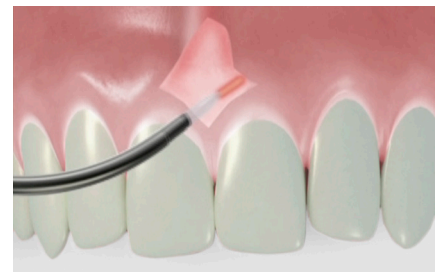
Gingival incision and excision



Caries removal



Scaling



Gingival incision and excision

### Wide Variety of Applications

The wide array of tip options enables this laser to perform both hard and soft tissue procedures.

## Clinical Indications

### Hard tissue indications

- Caries removal
- Surface ablation of wedge shaped defect

### Periodontal indications

- Irradiation to the periodontal pocket
- Scaling
- Periodontal curettage
- Gingivoplasty
- Gingival flap operation

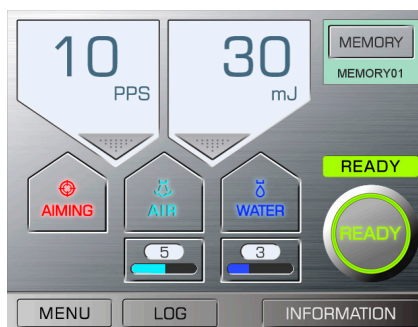
### Soft tissue indications

- Frenectomy
- Gingival incision and excision
- Coagulation of stomatitis
- Removal of pigmentation



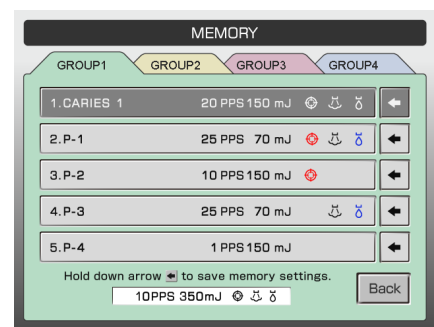
# Smooth Handling

## Easy Navigation



### Intuitive Interface

The display is easy to read and has an intuitive design. All settings can be easily confirmed at a glance.



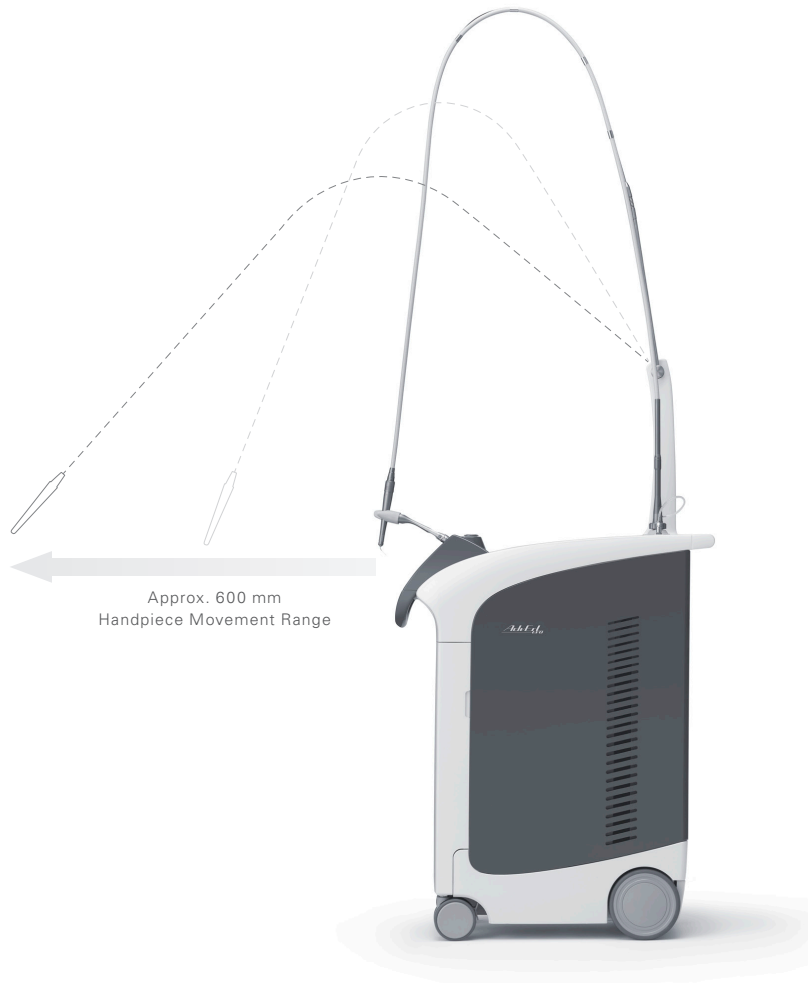
### Large, Clear Touch Display

A large display is used to confirm and select settings. There are 20 pre-programmed settings that can be easily retrieved. The completely flat surface is easy to clean.



### Usage Log Saved on Flash Memory

A usage log is saved on a flash memory stick that can easily be connected to a computer for review.

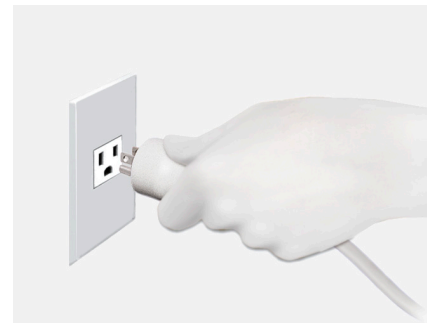


### Elegant and Compact

The elegant, compact design will match the decor of any clinic. It is lightweight and can easily be moved with large castors and handles on both the front and back. These convenient features also allow the unit to be slightly repositioned during treatment if needed.

### Easy Handling and Operation

The flexible optical transmission cable and swing arm make the handpiece seem nearly weightless and allows the dentist to concentrate on the treatment procedure.



### Adjustable Handpiece Hanger

The position of the handpiece hanger can be changed to suit the individual dentist. The hanger is held onto the unit with a magnet so that it cannot fall due to vibration or when the unit is moved.

### Infection Control

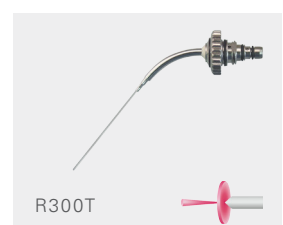
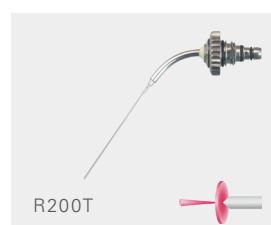
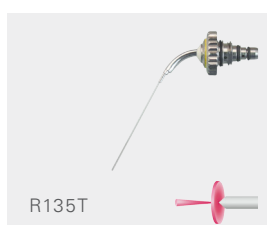
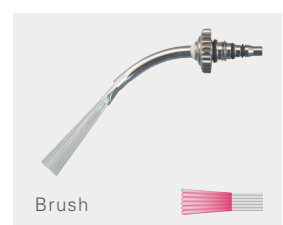
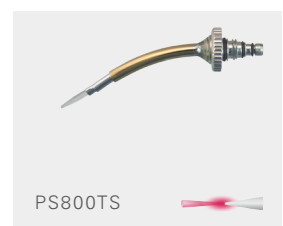
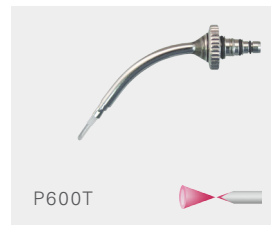
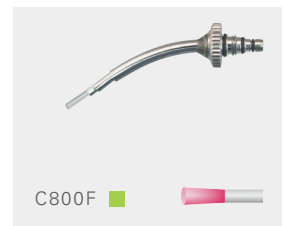
The handpiece hanger can be autoclaved for enhanced infection control.

### Easy Installation

Simply plug in the unit. Water and air systems are all built-in eliminating the need for complicated air or water connections.

# Tip Options

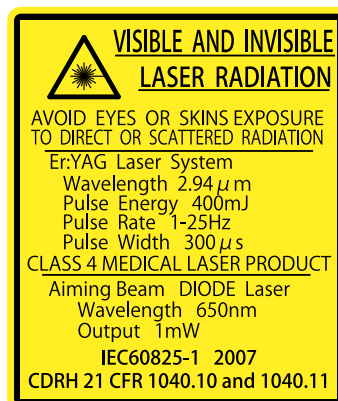
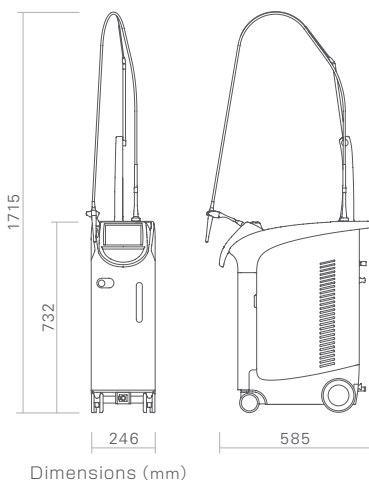
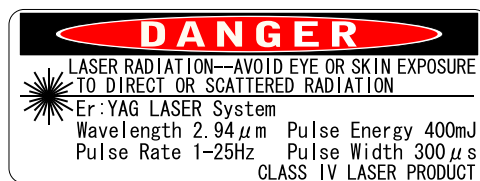
A total of 18 tips are available for a wide range of treatments. Standard tips are indicated by a green square. The R series tips require an additional R-Attachment.





# Specifications

Name:	AdvErL Evo
Model:	MEY-1-A
Power Rating:	AC 100V - 240V $\pm 10\%$ 50/60 Hz
Power Consumption:	1.5 kVA (at maximum laser output)
Laser Classification:	Class 4 (Er:YAG), Class 2 (Aiming Beam)
Type of Laser:	Er:YAG
Wavelength:	2940nm
Type of Operation:	Pulse
Laser Energy:	30~400mJ at 1~10PPS 30~170mJ at 20PPS 30~80mJ at 25PPS
Pulse Repetition Rate:	1, 3.3, 5, 10, 20, 25PPS
Aiming Beam:	LD (Red)
Aiming Beam Wavelength:	650 $\pm$ 15nm
Type of Protection against Electric Shock	Class I
Degree of Protection against Electric Shock	Type B
Cooling Method:	Water Cooling (Built-in Reserve)
Outer dimensions:	(W)246 $\times$ (D)585 $\times$ (H)732mm
Weight:	Approx. 49 kg



Diagnostic/Imaging Equipment  
Treatment Units  
Handpieces & Instruments  
Laser Equipment  
Laboratory Devices  
Educational and Training Systems  
Auxiliaries

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