Discover the New Dimension in Laser Therapy

SIROLaser Advance

GOOD DESIGN

reddot design award
honourable mention 2010
Patient Benefits

- Less discomfort
- Ideal for sensitive patients
- Almost bloodless procedures
- Improved post-operative healing
- Reduced post-operative inflammation
- Most procedures require little or no anesthetic
- Reduced unpleasant pressure, noise and vibrations
- Little to no tissue recession due to controlled thermal damage

“The SIROLaser Advance is the best all around soft tissue diode laser available today. It combines the best wavelength, the necessary power and control to obtain the optimum treatment results. This 980nm class soft tissue laser is the ultimate in portability and the most ergonomic laser on the market.”

- Dr. Scott Benjamin
  Sidney, New York
Doctor Benefits

- Ideal for all soft tissue laser procedures
- Excellent return on investment
- Ideal for CAD/CAM digital impressions
- Reduced procedure time
- Truly portable - battery operated
- Unbelievable ergonomics
- Integrated finger switch - no need for another foot control in your operatory
- Simple - fiber management at your fingertips
- Easy to use - navigate via color touchscreen
- Individual, programmable settings and PIN codes
- Bendable, single-use tips - letting you control the best angle for access

As awarded by The Chicago Athenaeum: Museum of Architecture and Design.

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honourable mention 2010
SIROLaser Advance - THE RIGHT CHOICE FOR BOTH BEGINNERS AND EXPERTS

What you get - at a glance

Intuitive Handling
- Navigation via color touchscreen
- User prompting for ease of use
- Presets for the most commonly performed procedures
- Self explanatory menu icons

Individual Customization
- 24 programmable applications
- Create up to 6 individual user profiles
  - Enables separate profiles for dentists and hygienists
- Able to customize access codes for each user
- Create shortcuts for the most used settings with 12 programmable favorites for each user
- Data storage for every treatment and all users

Immediate Treatment
- Frequently used applications are preset
- Help menu for each preset program for the less experienced user

Versatile!
- Battery operated for maximum mobility
- Ergonomic handpiece with integrated finger switch
- Optional wireless foot control
- Bendable, single-use tips - to accommodate any angle required

Nano-Phosphate Lithium-Ion battery

Color touchscreen

Easy navigation with user profiles and treatment documentation
Integrated finger switch

Truly portable and mobile

Bendable single-use tips

Integrated finger switch

Straightforward fiber management

Adjust the fiber length with your fingertip
SIROLaser Advance - INTUITIVE INTERFACE

One screen, one glance tells you everything you need

With the new SIROLaser Advance, you’ll be able to handle a large spectrum of applications from periodontology, endodontics, surgery and other treatment therapies.

INDIVIDUAL CUSTOMIZATION

Access your favorite applications even faster, create your own programs and automatically document your own laser treatments. With the customization options the SIROLaser Advance software offers, your possibilities are virtually endless. You alone can decide what’s best for your patients.

IMMEDIATE TREATMENT

SIROLaser Advance offers preset therapy programs for the most common laser applications. The additional instructions in the help menu let you master every application easily and with confidence.

Self-explanatory navigation
Intuitive touchscreen icons simplify orientation and navigation
The application you need is only a step away
- Select the application area to access individual programs.
- Preset parameters for each application that can be customized for each individual user.

Create your own settings
- Create, save and launch 24 of your own programs.
- Customize performance parameters to meet your specific requirements.

Individual user profile
- Set up to 6 individual user profiles, users access their saved profile with their personal settings using a customized PIN code.
- The administrator (primary user) can specify or restrict the configuration and application options for each user.

Save favorites
- To work even faster with your preferred programs, you can save up to 12 favorites and access them directly.

Treatment documentation
- With every treatment the user name, date, time, application and exact parameters are saved for documentation purposes and can be included with the patient records on a USB stick.
SIROLaser Advance - VERSATILE
No cords. No boundaries.

Whether periodontology, endodontics or surgery – SIROLaser Advance offers preset therapy programs for the most important laser applications.

Endodontics
- Pulpotomy
- Pulpotomy adjunct to root canal therapy

Miscellaneous
- Aphthous Ulcers

Periodontology
- Sulcular Debridement
- Gingival Troughing

Surgery
- Abscess
- Implant Recovery
- Frenectomy
- Incisions/Excisions
- Hemostasis
- Operculectomy
- Gingivoplasty
- Gingivectomy

<table>
<thead>
<tr>
<th>Excision (Fibroma Removal)</th>
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<tbody>
<tr>
<td>Almost bloodless surgery</td>
</tr>
<tr>
<td>Often accomplished with just topical anesthetic</td>
</tr>
<tr>
<td>Water irrigation/cooling minimizes collateral damage to specimen</td>
</tr>
<tr>
<td>Minimal Post-Op discomfort</td>
</tr>
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<table>
<thead>
<tr>
<th>Frenectomy</th>
</tr>
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<tbody>
<tr>
<td>Almost bloodless surgery</td>
</tr>
<tr>
<td>Often accomplished with just topical anesthetic</td>
</tr>
<tr>
<td>WYSIWYG treatment enables proper release of muscle pulls - <em>What you see is what you get</em></td>
</tr>
<tr>
<td>Minimal Post-Op discomfort</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Gingival Troughing</th>
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</thead>
<tbody>
<tr>
<td>No need for cord packing</td>
</tr>
<tr>
<td>Clear consistent impression margins</td>
</tr>
<tr>
<td>Optimum technique for digital impressions</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Gingivoplasty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimal bleeding</td>
</tr>
<tr>
<td>WYSIWYG treatment enabling visualization of proper contouring during the procedure - <em>What you see is what you get</em></td>
</tr>
<tr>
<td>Minimal Post-Op discomfort</td>
</tr>
</tbody>
</table>
SIROLaser Advance - POWERFUL
Ablate, don’t burn.

Why laser therapy?
- Almost bloodless procedures
- Minimize collateral thermal damage
- Hemostasis
- Less swelling
- Little to no tissue recession due to controlled thermal damage
- Gentle and comfortable - often requiring only topical anesthetic
- Improved post-operative healing
- No need for cord packing

Why 980nm wavelength?
- 980nm wavelength (WL) has eight times more absorption in water than the 810nm WL of most other diode lasers
- With oral soft tissue being approximately 70% water, the 980nm WL takes advantage of this increased absorption significantly enhancing the laser’s ablating (vaporizing / cutting) efficiency
- Additionally water irrigation used while ablating aids in:
  - The absorption of light energy in the target tissue further enhancing the laser’s effectiveness
  - Convection cooling to the surrounding tissue controlling the collateral thermal damage
- Good absorption in hemoglobin and oxyhemoglobin
- Utilizes radiant as well as conductive energy
- Reduces the need to initiate the tip for most procedures

High power - enables maximum control
- The SIROLaser Advance has the power you need when you need it
- 14W Peak-Pulse with adjustable average power and duty cycle
- Able to adjust the wattage to your treatment needs
- Adjustable duty/emissions cycle from 1-100%
- The ability to emit laser energy in pulses as short as 15 µs
- Continuous wave can be used to maximize coagulation
- Ultimate control of tissue interaction and relaxation
Hygienic handpiece

The autoclavable handpiece sleeve, when used with the single-use tips, ensures safe, clean treatment.

Bendable, single-use tips

The 100 single-use bendable tips come straight with an included bending tool. These unique tips, prevent the fiber from being damaged by guiding it through the tip.

Safe, reliable fiber handling

The sterilizable fibers are simple to replace, are available in multiple diameters and can be easily adjusted to the perfect length for treatment.
### Technical Data

<table>
<thead>
<tr>
<th>SIROLaser Advance</th>
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<tbody>
<tr>
<td><strong>Wavelength</strong></td>
<td>970 ± 15 nm</td>
</tr>
<tr>
<td><strong>Operation modes</strong></td>
<td>Continuous Wave, Chopped Mode, Peak-Pulse Mode</td>
</tr>
<tr>
<td><strong>Power</strong></td>
<td>0.5 - 7 W, Peak-Pulse 14 W</td>
</tr>
<tr>
<td><strong>Frequency</strong></td>
<td>1 Hz - 10 kHz</td>
</tr>
<tr>
<td><strong>Nanophosphate Lithium-Ion battery</strong></td>
<td>15 V, 30 Ah</td>
</tr>
<tr>
<td><strong>Weight (incl. handpiece and battery)</strong></td>
<td>1.3 kg</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>19.7 x 18.2 x 18.9 cm</td>
</tr>
<tr>
<td><strong>Optional: Wireless foot control</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Frequency</strong></td>
<td>2.4 - 2.4835 GHz (ISM-Band)</td>
</tr>
<tr>
<td><strong>Transmission power</strong></td>
<td>&lt; 2 mW (Short Range Device)</td>
</tr>
<tr>
<td><strong>Batteries</strong></td>
<td>2x size AA</td>
</tr>
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### Equipment Package and Optional Accessories

<table>
<thead>
<tr>
<th>SIROLaser Advance</th>
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<tbody>
<tr>
<td>1 SIROLaser Advance control unit</td>
<td></td>
</tr>
<tr>
<td>1 Handpiece with integrated finger switch</td>
<td></td>
</tr>
<tr>
<td>1 Battery pack</td>
<td></td>
</tr>
<tr>
<td>1 Additional handpiece sleeve for alternating operation</td>
<td></td>
</tr>
<tr>
<td>1 Set of 320µm fibers, 5 fibers per set</td>
<td></td>
</tr>
<tr>
<td>1 Set of 200µm fibers, 5 fibers per set</td>
<td></td>
</tr>
<tr>
<td>1 Fiber cutter</td>
<td></td>
</tr>
<tr>
<td>100 Single-use tips with incl. bending tool</td>
<td></td>
</tr>
<tr>
<td>3 Laser safety goggles (for dentist, assistant and patient)</td>
<td></td>
</tr>
<tr>
<td>1 SIROLaser Advance power supply</td>
<td></td>
</tr>
<tr>
<td>1 Power cord US</td>
<td></td>
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<tr>
<td>1 Documentation set</td>
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</tbody>
</table>

### Additional Accessories and Options

<table>
<thead>
<tr>
<th>SIROLaser Advance</th>
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<tbody>
<tr>
<td>Handpiece sleeve for alternating operation</td>
<td>62 56 767</td>
</tr>
<tr>
<td>Handpiece complete with cable</td>
<td>62 56 825</td>
</tr>
<tr>
<td>Handpiece back-sleeve, stainless steel</td>
<td>62 56 817</td>
</tr>
<tr>
<td>Set of 320µm fibers, 5 fibers per set</td>
<td>62 56 759</td>
</tr>
<tr>
<td>Set of 200µm fibers, 5 fibers per set</td>
<td>62 56 742</td>
</tr>
<tr>
<td>Fiber cutter</td>
<td>60 91 669</td>
</tr>
<tr>
<td>Package of single-use tips (100 pcs.) incl. bending tool</td>
<td>62 56 692</td>
</tr>
<tr>
<td>Laser safety goggles, transparent</td>
<td>61 81 585</td>
</tr>
<tr>
<td>Laser safety goggles protective lens wearers</td>
<td>61 81 593</td>
</tr>
<tr>
<td>Laser safety goggles (for patients)</td>
<td>60 47 745</td>
</tr>
</tbody>
</table>

### Optional:

- **3 pairs of laser safety glasses**
  Two pairs of laser protection glasses for the dentist and the dental assistant and one pair of tinted safety goggles for the patient.

- **Patient education**
  Educate your patients and promote the benefits of laser therapy with 50 patient information brochures.

- **Wireless foot control**
  Easy and efficient to use with an attractive design, the optional wireless foot control is available if desired.
SIRONA – UNIQUE WORLDWIDE SYSTEMS EXPERTISE IN DENTAL EQUIPMENT PRODUCTS

Sirona develops and manufactures a comprehensive range of dental equipment, including CAD/CAM Systems for dental practices and laboratories, Instruments, Treatment Centers and Imaging Systems. Sirona manufactures high technology products that guarantee ease of use and a high return on investment – for the good of your practice and for the benefit of your patients.

Equipped for success. With Sirona.

INSTRUMENTS | TREATMENT CENTERS | IMAGING SYSTEMS | CAD/CAM SYSTEMS

SIROLaser Advance - SUPPORT
Over 125 Years of Dental Experience

Sirona Dental Systems is dedicated to providing you with the best service and support available within the dental industry. It is for this reason we offer a no-worry 2 year warranty standard with the SIROLaser Advance and a FREE 1 day product specific training seminar* to familiarize you with the safe use of this product.

The SIROLaser Advance Specific Training Seminar will focus on the operation, safety and hands-on use of the SIROLaser Advance.

A certified Sirona SIROLaser Advance trainer will cover the following topics during the seminar:

- Fundamentals of laser technology
- Laser tissue interaction
- Applications for use
- Hands-on simulation of clinical procedures
- Integrating the SIROLaser into your practice
- Return on investment
- Laser safety
- Laser use in periodontal care

Each attendee will receive 8 CE credits for participating in the SIROLaser Advance Training Seminar.

To view training locations, register for training, or get more information, please go to our website: www.sirolasertraining.com.

* The purchase of the SIROLaser Advance includes the cost for the training seminar for one attendee. Hotel and travel expenses will not be covered by Sirona Dental Systems.