

SIROLaser Blue

INFINITE POSSIBILITIES.



SIRONA.COM/LASER

The Dental Company

sirona.

DIODE LASERS – VARIETY FOR YOUR PRACTICE.

Dental diode lasers deliver clear benefits over conventional methods of treatment with mostly scar-free wound healing and improved germ reduction. For patients, the use of lasers means less post-operative pain and therefore less need for medication. Not only that, but your practice benefits too, because satisfied patients are the best way to ensure success. The compact SIROLaser Blue is the first dental diode laser to have a blue, an infrared, and a red diode. This enables it to cover a range of 21 indications – and therefore virtually infinite possibilities for application in your practice routine. **Enjoy every day. With Sirona.**

IMPROVED
GERM
REDUCTION

LESS
POST-OPERATIVE
PAIN

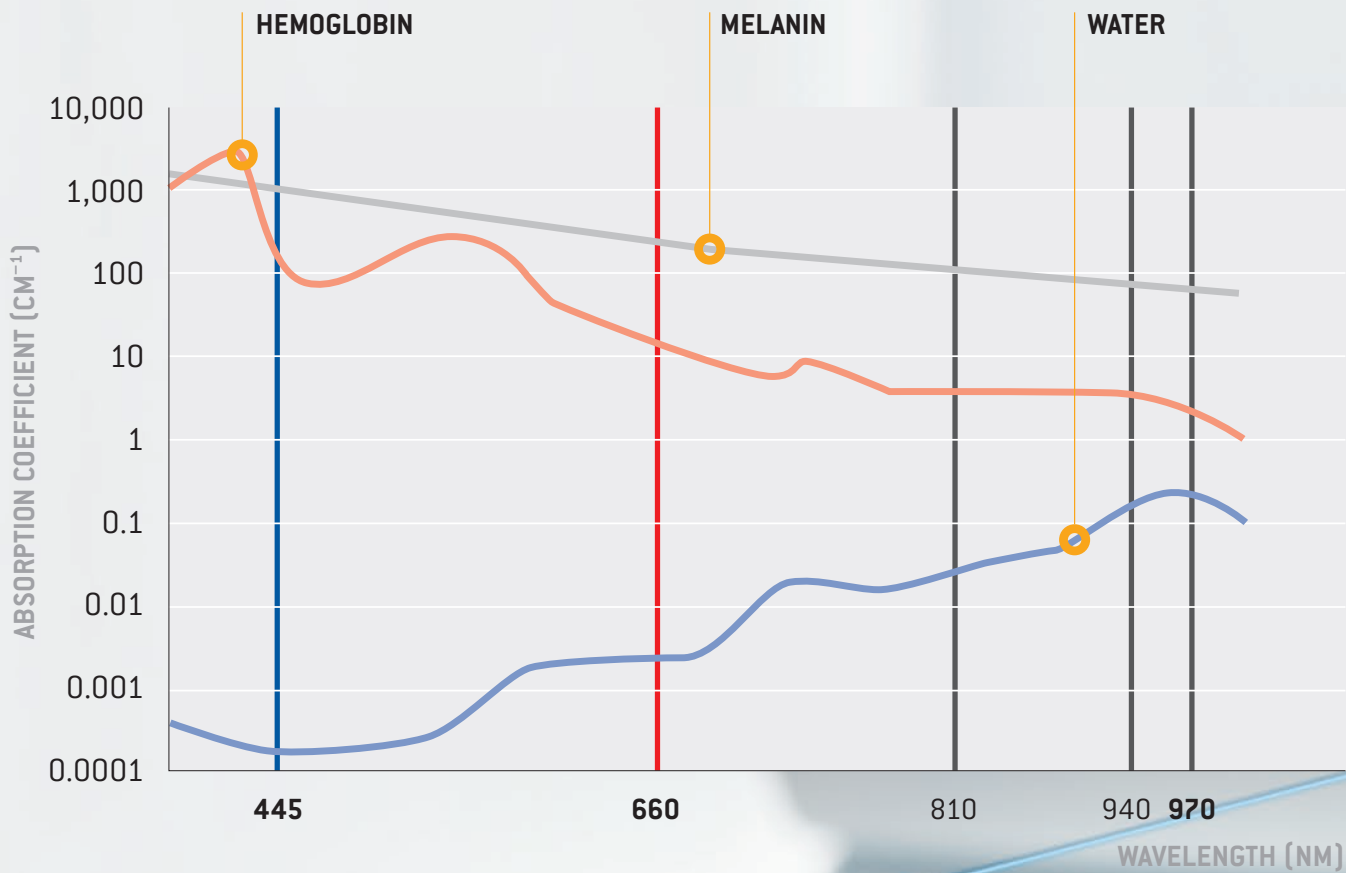
SCAR-FREE
WOUND
HEALING



MAXIMUM CUTTING PERFORMANCE MEETS THE MOST VERSATILE KINDS OF TREATMENT.

Through the use of 3 diodes, the SIROLaser Blue gives you an unrivalled variety of treatment options. Thanks to its intuitive user interface, the laser is simple to operate and its compact dimensions make it very flexible to use. In addition, the blue wavelength of the SIROLaser Blue offers you the best cutting performance of any diode laser currently available. You, your team, and your patients will be delighted.

ABSORPTION OF LASER RADIATION BY BIOLOGICAL TISSUE



WITH THE BLUE DIODE TO BETTER CUTTING PERFORMANCE

We have been conducting research for years to deliver the first dental laser with a blue diode to the market. Here's why: with a blue diode, you can cut much better than with an infrared one because the absorption of blue laser light in soft tissue is significantly higher. This means the laser beam penetrates tissue less deeply, thereby reducing the risk of accidental injuries. Due

to the fact that absorption is further reduced in water, correspondingly less heat develops in adjacent tissue. That means that SIROLaser Blue can help you to improve your surgical interventions – entirely without a scalpel or sutures, with direct hemostasis. And that – especially when cutting in non-contact mode – with the greatest possible control.

WHICH DIODE FOR WHICH APPLICATION?

The blue diode with 445 nm is ideally suited to all soft-tissue surgical applications. The proven infrared 970 nm diode is used to reduce germ levels in periodontology and endodontics. The additional red 660 nm diode is used for what are known as 'soft laser' applications such as LLLT or biostimulation.

The power (W) of a laser alone does not say anything about its cutting performance. The important thing is the absorption of the laser beam in soft tissue, and this depends on the wavelength. Depending on wavelength, the laser beam may be absorbed well or less well by tissue. The blue diode (with 445 nm) can thus achieve a substantially better cutting result at a lower power than infrared laser light (i.e. 810, 940, 970 nm) at a higher power rating. The blue laser light interacts better with hemoglobin, one of the main constituent elements of blood.

THE THREE WAVELENGTHS AND THEIR AREAS OF APPLICATION

Laser diode	Blue	Infrared	Red
Wavelength	445 nanometers	970 nanometers	660 nanometers
Power	0.5–3.0 watts	0.5–2.5 watts	0.5–100 milliwatts
Area of application	Surgery (soft tissue), hemostasis	Periodontology, endodontics, aphthous ulcers, herpes	LLLT, biostimulation

THE MOST VERSATILE DENTAL LASER ON THE MARKET.

With its three diodes, the SIROLaser Blue is suitable for 21 different indications – therefore opening up a so far untapped range of treatment options. This combined with an incredible ease of application and relaxed patients.



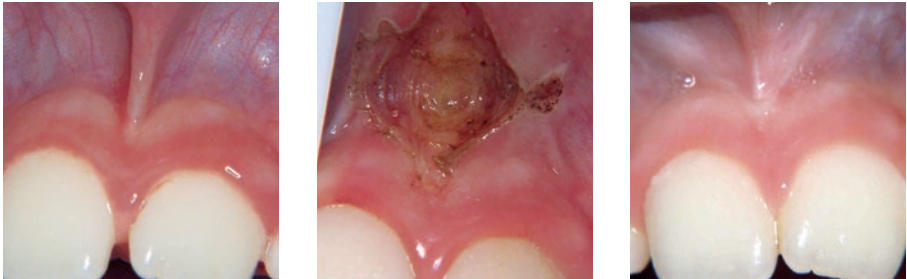
“The SIROLaser Blue is very easy to handle and has really practical features for a wide range of uses. I need only one device for all laser applications and can cut more quickly and efficiently thanks to the blue wavelength. And my patients love the fact that wounds heal better, that treatment is less painful and much more modern.”

Prof. Dr. Giovanni Olivi, SIROLaser Blue-Tester

YOUR TREATMENT OPTIONS WITH THE SIROLaser Blue.

FRENECTOMY

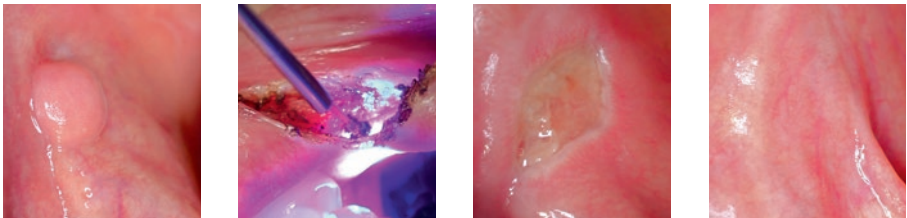
- Interventions involving low levels of pain and bleeding, hemostasis
- No sutures or scars, accelerated wound healing
- Often no more than surface anesthesia required, virtually no post-operative discomfort



Before Directly after 4 weeks later

FIBROMA

- Removal of the mucosal lesion with no contact between fiber and tissue
- Direct coagulation without sutures
- Non-irritated wound area with no secondary bleeding
- No scar formation



Before Treatment 1 week later 4 weeks later

TISSUE MANAGEMENT

- Retraction cords no longer required
- Clearly defined ,clean' and ,dry' preparation edges
- Optimal technique for taking dental impressions



Before Directly after Digital impression

GINGIVOPLASTY

- Easy visualization of clean contours
- Interventions with low bleeding levels
- Virtually no post-operative problems



Before Directly after 4 weeks later

ENDODONTIC GERM REDUCTION

- Laser beams penetrate much deeper into dentinal tubules than conventional rinses
- Better long-term prognosis for endodontic treatments

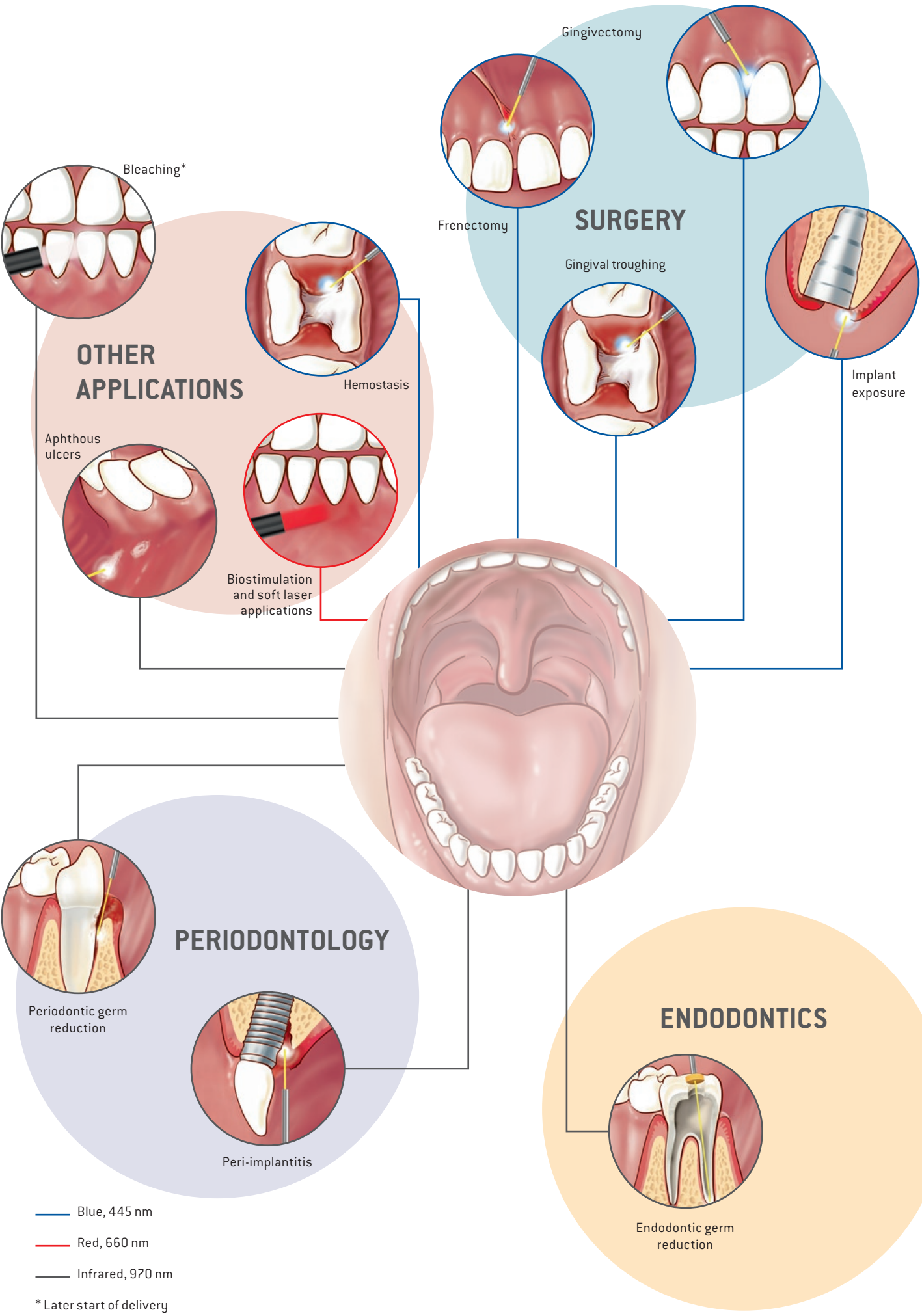
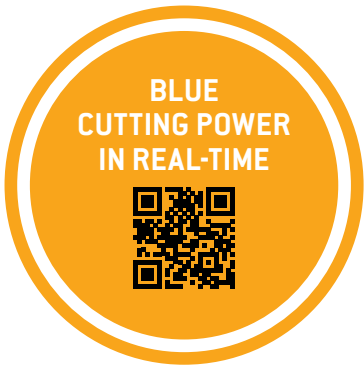


Before Treatment After

ALL INDICATIONS AT A GLANCE

Surgery		Endodontics	Periodontology	Other
■ Abscess	■ Implant exposure	■ Endodontic germ reduction	■ Laser curettage	■ Aphthous ulcers
■ Epulis	■ Incisions/excisions	■ Gangrene germ reduction	■ Periodontic germ reduction	■ Bleaching*
■ Fibroma	■ Operculectomy	■ Pulpotomy	■ Peri-implantitis	■ Desensitization
■ Frenectomy	■ Gingival troughing	■ etc.	■ etc.	■ Hemostasis
■ Gingivectomy	■ etc.			■ Herpes
■ Gingivoplasty				■ Soft laser therapy

*No predefined treatment program, later start of delivery



ONE LASER FOR ALL.

The SIROLaser Blue delights users and patients alike. Lasers are modern and have a good image – hence the SIROLaser Blue puts your practice in a good light, too. Diode lasers have found their way into many medical and cosmetic sectors and they are now becoming much more widespread in dental medicine as well.

BENEFITS AT A GLANCE

- **For you and your patients:** better wound healing, effective germ reduction, clear preparation limits for impressions and imaging
- **For your patients:** less post-operative pain, fewer painkillers, no antibiotics
- **For you:** satisfied patients are the best reference for your practice, incredibly simple operation, ready to use at any time



"Finally no more sutures. I treat a lot of children in my practice – and they think it's great not only because they don't need sutures and have less pain, they also find the laser fascinating."

Dr. Isabelle Nguyen, France



"The SIROLaser Blue reduces germs very effectively. I always use the laser for root canal treatments and since then I have had much fewer follow-up treatments because of recurrent inflammation. My patients find that great of course!"

Dr. Matteo Iaria, Italy



"The SIROLaser Blue is really practical because it is quite compact and thus easy to handle. Operation is also almost self-explanatory. The laser is ready for operation quickly. The blue cutting performance is simply phenomenal and it makes my work even more efficient."

Dr. Simone Suppelt, Germany



"Previously, I used to say that I could never do without my CEREC. Today, I say that I could never do without my CEREC and my laser. I use the laser for almost every treatment."

Dr. Michael Maier, Germany

READY TO USE IN JUST A FEW STEPS.

The SIROLaser Blue is impressive because of its easy operation and useful features. You just concentrate on your treatment – we take care of everything else.

- **Sterile disposable fibers:** Before every treatment simply stick one of the practical EasyTip disposable fibers on the handpiece of the SIROLaser Blue – and you can then start the treatment directly. All of this without time-consuming assembly steps, without wrapping and without sterilization. All fibers are made in Germany.
- **Therapy light guides:** For soft laser applications and bleaching.
- **21 preset programs:** For every treatment, there is already a preset program. You simply select the desired treatment on the touchscreen and start working. In addition, the Help function assists you to administer the treatment properly.
- **Integrated battery:** Full mobility and flexibility. The battery charges while you are working.
- **Six favorites can be selected:** There are some treatment types that you perform more frequently than others. To avoid the need to scroll through all of the programs, you can conveniently configure your individual home screen.
- **Individual user profiles:** You may have several people in your practice who use the SIROLaser Blue for treatment. No problem, since up to 6 password-protected user profiles can be adapted individually to suit your needs.
- **Application memory:** The last 50 applications of each user are saved by the device and can conveniently be retrieved from the USB port.
- **Intuitive user interface:** The user interface is designed so intuitively that you will immediately find what you are looking for.
- **Autoclavable handpiece**
- **Two-year warranty**
- **„Delegatability“*:** You can delegate applications in soft laser therapy to your practice assistant.
- **Wireless foot control** (optional)
- **Standby mode**
- **Technical safety checks:** A technical safety check is required by law. For the SIROLaser Blue, it is required only every two years – for other providers, generally once a year.

* Depends on country-specific regulations.

Also almost unlimited in their scope – the SIROLaser Blue accessories. In addition to the accessories listed here, we can offer you training courses and introductory courses in laser dentistry.

Accessories	REF
Stainless steel handpiece sleeve for different operations incl. keypad	64 87 784
Keypad finger switch	64 87 800
Set of sterile disposable fiber tips, EasyTip 320 µm (25 pieces)	64 98 062
Set of sterile disposable fiber tips, EasyTip 200 µm (25 pieces)	64 98 484
Set of sterile disposable fiber tips incl. endo-stopper, EasyTip Endo (25 pieces)	65 35 905
Fiber cutter for disposable fiber tips	60 91 669
Combination flexing tool for disposable fiber tips	65 41 556
Optional wireless foot switch (incl. battery)	62 56 841
Optical protective cap for handpiece	65 41 507
MultiTip 8 mm, therapy and bleaching light guide (glass rod)	65 41 465
MultiTip 4 mm, therapy light guide (glass rod)	65 41 499
Rechargeable battery	62 56 833
Laser safety goggles for users	65 41 515
Laser safety goggles for patients	65 41 523
Laser safety goggles for eyeglasses wearers	65 46 407

SIROLaser Blue REF-No. for the following countries: Germany, Austria REF 65 40 491; Switzerland REF 65 40 632; Italy REF 65 40 657; Netherlands, Belgium REF 65 40 509; France REF 65 40 640; England REF 65 40 624; Spain REF 65 40 608; Portugal REF 65 40 665; Denmark REF 65 40 616; Finland, Norway, Sweden REF 65 40 590. Further countries on request.

Technical data	
Wavelength and operating performance	445 +/- 5 nm / approx. 0.5–3.0 W (CW) 970 +/- 15 nm / approx. 0.5–2.5 W (CW) 660 +/- 10 nm / approx. 0.5–100 mW (CW)
Laser operating mode	Continuous wave, chopped mode
Frequency	1–10.000 Hz
Duty cycle	Variable
Weight	~ 1.3 kg (incl. handpiece and battery)
Dimensions	~ 19.7 cm x 18.2 cm x 18.9 cm

For more information, see www.sirona.com/laser

SCOPE OF DELIVERY

- SIROLaser Blue incl. stainless steel handpiece with integrated finger switch
- Additional handpiece sleeve for alternating operation
- Demo set of disposable fiber tips*:
2 x EasyTip 320 µm, 2 x EasyTip 200 µm, 2 x EasyTip Endo
- Combination flexing tool
- Fiber cutter
- 3 laser safety goggles (for dentist, dental assistant, and patient)



Sterile disposable fibers for various applications, e.g. with integrated endo stopper.



* Non-sterile demo fibers.

ALWAYS AT THE FOREFRONT OF INNOVATION!

As global innovation leader for dental equipment, we continuously invest in research and thus in the future of modern dentistry. By networking digital technologies with integrated solutions and optimizing the treatment workflow, we create improved treatment results, more comfort and safety for the patient as well as time and cost savings in everyday work. The combination of constant innovative power and globally growing sales and service structures makes Sirona the global market leader trusted by thousands of practices and labs around the world. **Enjoy every day. With Sirona.**



CAD/CAM systems

From pioneer to new standard. For 30 years we have been developing digital dentistry and creating new possibilities for the future practice and lab.



Imaging systems

Best image quality with the lowest dose. More than 100 years of developing x-rays for the dental practice make us the number 1 innovation partner.



Treatment centers

The business card of modern practices. We are striving to create the ideal ergonomic and innovative center. Individually tailored to the well-being and demands of the patient and dentist.



Instruments

Advantages that speak for themselves. We make sure that we provide the right balance of proven quality, individual ergonomics and innovative technology for user-friendly work.



Hygiene systems

Competence that gives you safety. When it comes to hygiene in the practice, we do not take any shortcuts.

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