

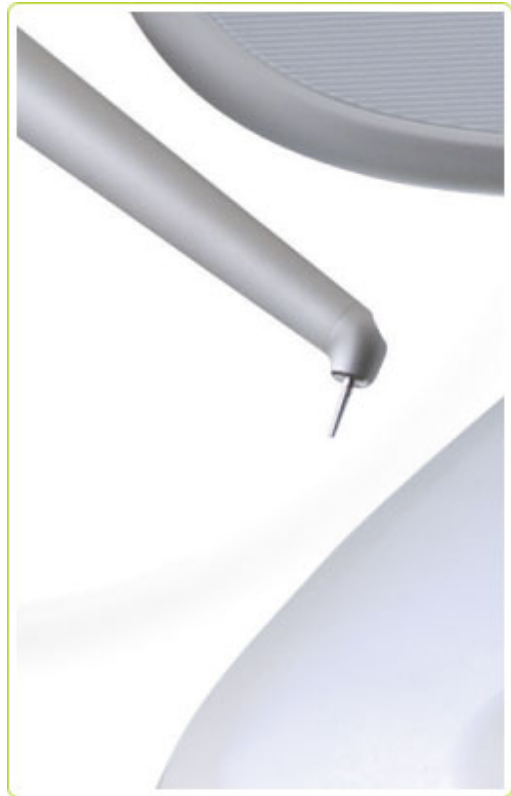
The LiteTouch Edge

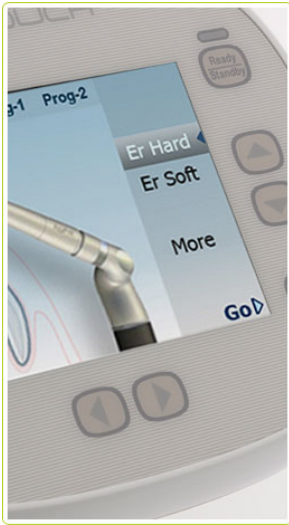
The LiteTouch: Er-YAG laser incorporates a radical new technology that sets it apart from other ER-YAG lasers. Reducing the size of previous technologies, the designers of LiteTouch placed the laser chamber within the handpiece. This innovation did away with the standard optical table, as well as the fiber and reticulated arm. The ground-breaking LightTouch handpiece – the size of a turbine drill – grants you great maneuverability.

In addition, while the laser beam streams to the hand-piece during drilling, there is no loss of energy. Efficiency is increased, allowing for a unique envelope of performance. LiteTouch's innovative fiber-less design also increases the system's resilience, eliminating the need to replace costly cables.

Innovative Energy Delivery

LiteTouch is the first laser in the world to use a novel mechanism that changes energy output. The amplitude of power per pulse is fixed for hard tissue and soft tissue. Energy changes in accordance with pulse duration.





Software

In creating the LiteTouch program, Syneron Dental went straight to the source: the dental industry. Working closely with professionals in the field, the Syneron team designed LiteTouch's intuitive, user-friendly program with dentists, for dentists. Aimed specifically for use in the dental clinic, the system boasts a clear and simple screen layout, which is easy to use during all hard and soft tissue procedures.

Laser

LiteTouch's laser chamber is harbored in the applicator, the tube leading to the handpiece. This fibreless design prevents energy loss and guarantees an exceptionally strong and accurate laser beam. Incorporating the smallest laser chamber in the industry, this system allows for the greatest possible flexibility and ease of maintenance.



Handpiece

No-fiber, laser-in-handpiece delivery

The importance of a laser handpiece cannot be overstated. With this in mind, LiteTouch's designers created an elegant, ergonomic piece that incorporates the dentist's top priorities. The handpiece has the look and feel of turbine drills, but cuts like a laser. Its head swivels 360 degrees, giving the practitioner complete freedom within the oral cavity. A flexible cord enhances flexibility, and along with the best treatment angles and feather-touch accuracy, makes for top notch performance.



Straight HandPiece

The Straight Hand Piece is different in its structure from the curved hand piece, as it doesn't have the output mirror, thus the laser beam is conveyed directly to the sapphire tip. For this reason, the output energy of the Straight Hand Piece is slightly higher.

- It is possible to use the entire tips variety when using the Straight Hand Piece.
- The Straight Hand Piece can be easily sterilized, as there is no need to open it prior to autoclaving.



Aesthetic HandPiece

The Aesthetic Hand Piece is a new accessory, designed to provide dentists with the ability perform aesthetic & cosmetic skin rejuvenation procedures on the peri-oral area. This Aesthetic Hand Piece gently removes useless or damaged skin layers; hence allowing delicate remodeling of upper & lower lips' creases caused by soft tissue shortage or aging processes.

- Cosmetic epidermal skin resurfacing procedure and crease elimination are performed in energy of 50mJ and frequency of 10Hz in soft tissue mode, using only air cooling without water spray. A series of circular pulses are performed along the creases removing approx. 30 microns of skin per plus. Laser beam density can also be adjusted according the different lengths & diameters of the aesthetic tips.
- Another option is to conduct a series of diagonal incisions along the crease, which are 1mm distant from each other. Throughout the healing process the skin will tighten and creases will diminish (please refer to the published case studies).






Aesthetic Laser Tips

Aesthetic Hand Piece, first kit includes 4 disposable tips, 1 of each type. Dentist can order disposable tips in packs of 5 tips; each pack contains 1 type only (not mix).

The Aesthetic Hand Piece is equipped with a disposable cap, which should be replaced after each patient.

There are 4 different type of disposable caps:

Part No	Description	Picture
AS7562 (x)	5x8 mm	
AS7561 (x)	5x6 mm	
AS7560 (x)	3x8 mm	
AS7559 (x)	3.6 mm	

Tips

LiteTouch comes with a variety of long and short tips, and with diameters ranging from 400 to 1300 microns. Offering great convenience to the dentist, these different tips can be employed in different parts of the mouth, and in different hard and soft tissue procedures. While the chisel tip serves as scalpel for multiple procedures, the no-contact tips reduce the chance of infection. And as all tips are autoclavable, they can be reused.

Variety of tip covering vast array of tips for multiple procedures



Tip #	Tip Diameter [mm]	Tip Length [mm]
1	1.3	19mm
2	1.3	17mm
3	1.3	14mm
4	1.0	17mm
5	1.0	14mm
6	0.8	17mm
7	0.8	14mm
8	0.6	17mm
9	0.4	17mm
10	Chisel Tip	17mm
11	0.2	17mm
12	Side Firing Tip	
13	Implant Tip	
14	Magnum Tip	