

## **“Contact” laser handpiece and interchangeable tips.**

In ODONTOSTOMATOLOGY the handling and the practicality of the LASER are essential.

In order that the radiant energy reaches the point of application on the target tissue, each laser has a specific transmission system.

This ideal medium for laser transmission is represented by optical fiber: Autoclavable, long lasting and relatively resistant.

The diameter of the optical fibers employed in the use of lasers in dentistry is generally comprised in the range of size of 200-600 microns.

To be able to be handled with precision and safety, the optical fiber can be inserted within a specific handpiece. The POCKET LASER is a 915 nm diode laser equipped with a multifunction handpiece called CONTACT. It 'a disassemblable (picture 1) handpiece. All subunits are autoclavable. The external surface is satin finished, to allow a reduction of the reflections during clinical use.

The body of the handpiece includes a terminal (replaceable) which allows the insertion of tips or inserts with Luer-Lock type connections. The base of the handpiece allows clinician to lock or slide the optical fiber within the handpiece with a simple rotation of the ring.

The handpiece is used together with its interchangeable tips, to allow the laser beam to easily reach the rating plate.

The use of disposable tips and interchangeable inserts offers undoubted advantages in terms of convenience of use for the operator and safety for the patient. (Pictures 2,3,4)

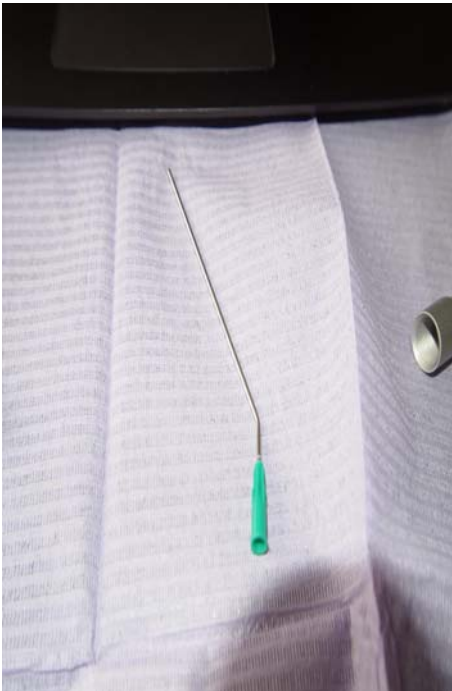
Having available a locking connection system universally diffused, fast and secure Luer-Lock type allows clinician to use a wide variety of inserts already available on the medical market. (Pictures 2,3,4) The Luer system type terminals allow surgical, endodontic, periodontal and intralesional applications. Inserts may be disposable or autoclavable and reusable. The connection system with a rotating coupling allows the operator to avoid undesired detachment of the insert, avoiding the risk of inhalation or swallowing by the patient.



*Illustration 1: HANDLE CONTACT: Terminal with Luer-Lock connection; the body of the handpiece and base with a safety lock for the ottica fiber block.*



*Illustration 2 2: TIP INTERCHANGEABLE MULTIUSO*



*Illustration 3: TOE METALLIC LONG*



*Illustration 4: disposable interchangeable inserts: with metal end Vari-angle and polycarbonate*