

# EndoPilot

Non-Stop to a  
**perfect Endo**



ApexLocator

EndoMotor

DownPack

BackFill

Schlumbohm



## **The concept** revolutionary!

The new, revolutionary **all-in-one** concept is **flexible** and compact and it answers all expectations. Especially the combination of length determination and mechanical root canal preparation at one time (measuring on-the-fly) offers huge advantages.

The EndoPilot® has a large **touchscreen**. This allows an intuitive operating and a unique, fast menu control. The display informs you at any time: Messages are displayed in comprehensible clear-text.

The EndoPilot® needs less space for set-up because it is so **compact**. The viewing angle of the display is adjustable that avoids reflections on the display. A tripod socket on the back of the device provides a many numbers of different mounting options.

Further updates for new instruments or new program-functions can be carried out with a small update-plug in a few seconds.

The EndoPilot adapts to your needs with different configuration: The DownPack and BackFill-Module can be retrofitted later for example. This maximum of flexibility ensures your investment for the future.



## **MotorSystem** with patented apex-measurement

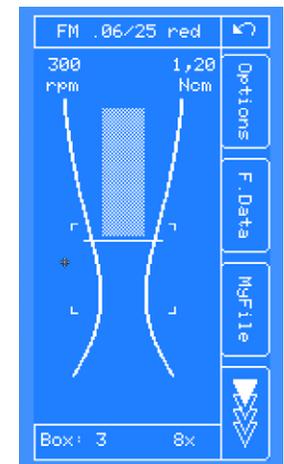
The speed- and torque-controlled EndoMotor allows an efficient root-canal preparation. The light motor offers a maximum of tactility. The coloured LED-light informs about rotation-direction, torque-limit and apex-position. The Bi-Force- technique prevents the file from blocking, the motor alternates between forward and reserve rotation.

While using the patented EndoPilot-Contra-angle, you always have the file-position under control. The contra-angle has been designed especially for endodontics, it leads the signal of the integrated apex-locator **directly** to the file and offers a continual control of the file-position. The contra-angle and the motor are **fully isolated**, an additional electrically isolation is not necessary. File-contact-clips which make file-changes difficult are also not necessary.

Another **patented** function is the torque-reduction, close to the apex. This function limits the cutting-force of the file while reaching the apical-zone. This provides a continual transport of dentine-chips from the depth. Unlike to the reserve-mode at the apex, which is used in several other endo-devices and transports chips back to the apex. The EndoPilot provides a selectable Auto-STOP-Function, which stops the motor when the apex is reached.

Also two audible assistance functions are available:

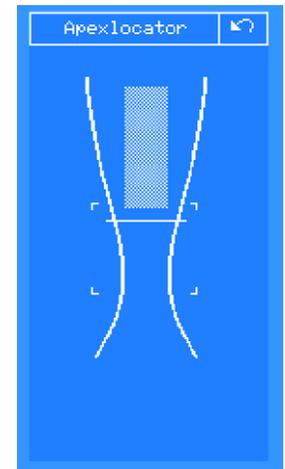
1. The closer the file comes to the apex, the shorter is the time between the tones.
2. The closer the torque-level at the file comes to the allowed torque-limit, the shorter is the time between the tones.



## ApexLocator                    **patented, digital ApexLocator of the newest generation**

The precise length determination takes only a fraction of the usual time. Thanks to modern microprocessor-technology a fast **10 bit resolution** is possible. The fast signal analysis allows a length determination during canal preparation (on-the-fly) in real time.

Of course it is possible to use the Apexlocator separately for example for probing with a file-clip. The external-voltage-control is an additional safety-function, it warns of leakage- and fluctuation-voltage.



## File library                    **integrated, pre-programmed database with various file-systems**

The system-database includes nearly all popular nickel- titanium file systems. The file system is freely selectable. Of course all values of each file can be adjusted and own sequences can be assorted. The EndoPilot provides memory space for **1000** different **files** and individual torque-/speed-values for all established NiTi-Systems. Further updates of new file-systems can be transferred easily by using a data-plug.



## File management                    **automatic detection of instrument-wear**

The patented file management controls the **wear** of the files. Therefore the load of the file will be added up. All important values as for example speed, torque and the run-time, will be calculated and displayed as wear-value. Also the canal curvature can be selected as a coefficient. It is possible to define an individual **file-alarm**-limit for each file. All in all it is possible to manage 6 boxes with any number of different files.

## MyFile                    **free creation of own sequences and values with hybrid-technique**

This function allows to create own comprehensive mix-sequences (**Hybrid-Technique**). Individual files from different file-systems and brand can be combined. The files simply can be copied from the pre-programmed database. The files are displayed in comprehensible clear-text.





### **Downpack** heats up within seconds

The solid and light D-Pack handpiece ensures a very good handling. The small diameter of the handpiece allows an unobstructed view onto the tooth. The powerful device heats up the tip in seconds. Different temperatures can be selected easily on the touchscreen. The LED-light at the handpiece informs about the heating-process. Of course there are different tips with different sizes available.



### **Backfill** controls the flow rate optimally

The BackFill-gun ensures an optimal control of the filling-procedure. The trigger of the gun can be pressed down easily and the flow rate can be adjusted optimally. Different temperatures can be selected individually, the powerful device ensures a short heating rate. Standard gutta-percha pellets are used as filling material. Three different needles with different diameters are available.

