



EIE²
EXCELLENCE IN ENDODONTICS®

EXCELLENCE IN ENDODONTICS

INSTRUMENTS DEVELOPED BY:
DR. GARY B. CARR



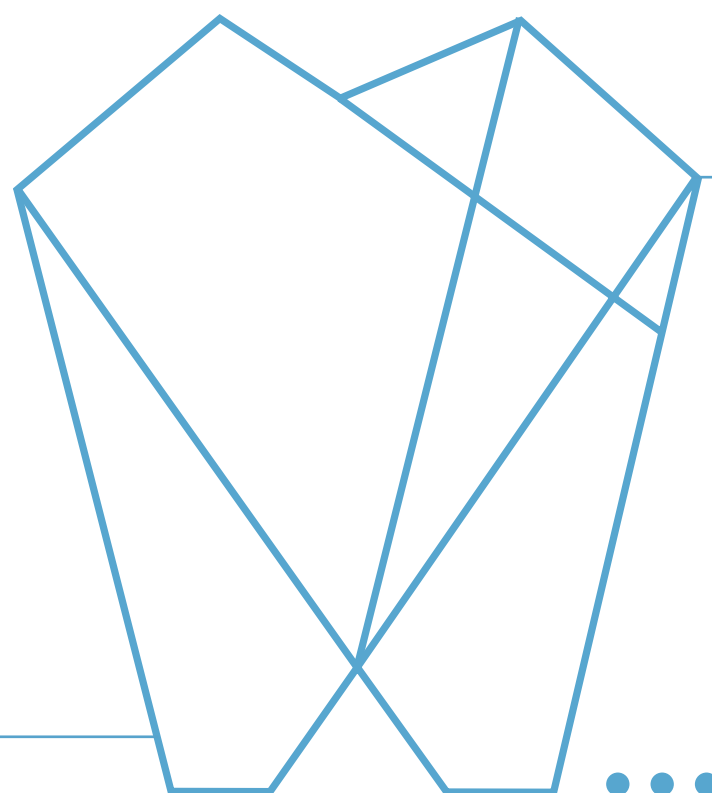
ULTRASONICS



HD MIRRORS



ERGONOMICS



- [01 The Story](#)
- [03 Ultrasonic Tips](#)
- [05 Tips: Vibrating](#)
- [06 Tips: Troughing](#)
- [07 Tips: Instrument Removal](#)
- [09 Tips: General Use \(Sharp/Rounded Points\)](#)
- [11 Tips: General Use \(Flat Points\)](#)
- [13 Tips: Surgical](#)
- [15 Carr Mirrors](#)
- [17 HD Mirrors: HD Micro-Mirrors](#)
- [19 HD Mirrors: General Use \(Cone Socket\)](#)
- [20 HD Mirrors: General Use \(Flexible\)](#)
- [21 Carr Polished Mirrors](#)
- [23 Mirror Handles](#)
- [24 Measuring Handles](#)
- [25 Laschal Instruments](#)
- [33 Tsunami Microsuction](#)
- [35 70mm Assistant Scope Extensions](#)
- [36 TDO User Meeting Videos](#)
- [37 Accessories](#)



THE STORY

Dr. Gary Carr founded the non-profit Pacific Endodontic Research Foundation (PERF) in 1986 for the purpose of endodontic research. He was puzzled by the numerous studies reporting high failure rates of endodontic surgeries, especially when evaluated at longer time frames. Starting in his garage, and later at Dr. Terry Tanaka's Research Foundation, he used light and electron microscopy to study human cadaver material donated to Terry's lab.

This research suggested that current endodontic surgical techniques were deficient, primarily due to poor visibility and the insufficient adaptation of restorative dentistry's armamentarium. To overcome these problems, **Dr. Carr invented ultrasonic root end technology and redesigned and miniaturized classical endodontic instruments** which led to the creation of the original Excellence in Endodontics (EIE) company. Because these instruments revolutionized the field of surgical endodontics, **within two years EIE became a major player in surgical instrumentation in the endodontic field.**

Dr. Carr expanded his Foundation (PERF) and began teaching microscopic endodontic techniques to

endodontists and their auxiliaries. **Over a 10 year period, Dr. Carr and his team trained over 1/3 of the practicing endodontists in the United States and Canada and 80% of the Postgraduate Directors of Endodontics in North America.** All totaled, over 10,000 people were trained by Dr. Carr and his team during this period.

Choosing to focus on research, Dr. Carr decided to sell the company and patents to SybronEndo in the mid 90's. Seeing the need for software that could improve endodontic record-keeping while unifying all functions within an endodontic practice, **Dr. Carr decided to develop a digital record (TDO Software) of treatment that could be queried to find out which treatments were truly effective and which ones were not.** To make a long story short, TDO is now the most utilized endodontic software in the world with users in 30 countries.

After working for years to ensure the success of TDO, Dr. Carr was disappointed with the progress made in the creation of new instrument designs. **Creating instruments both with his ideas and with the wealth of knowledge being generated from the doctors**

of the quickly growing TDO Software, he started the endodontic instrument company Excellence in Endodontics (eie2.com) again. TDO Software and EIE2 became sister companies, and for the next 10 years both steadily grew together, providing both the hardware and software needed to create an exceptional practice.

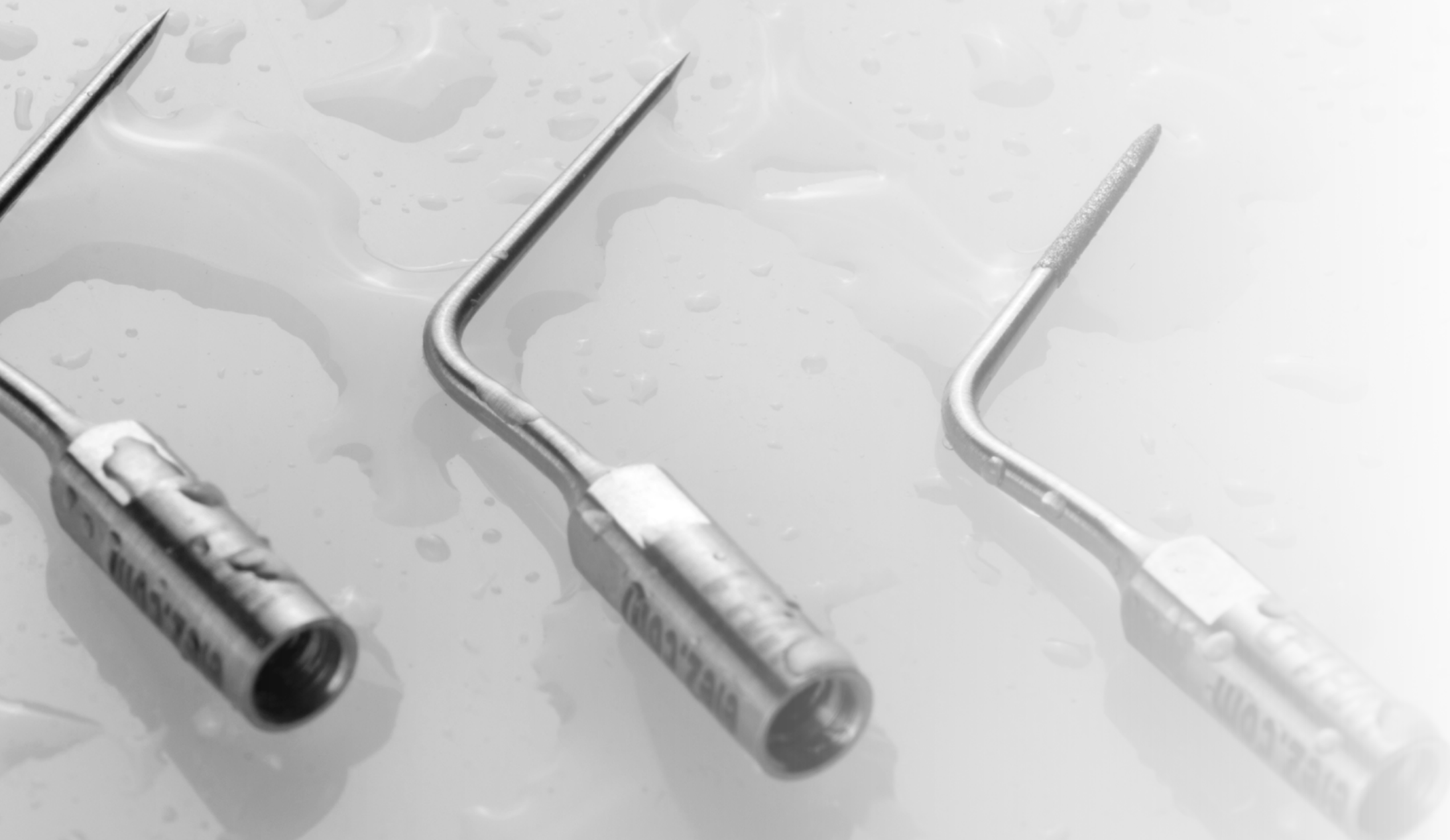
In 2011 Dr. Carr's son, Donald 'Donnie' Carr joined the company assisting his father and the other employees. Very early on he developed a similar passion for product development and company management. After revamping the website, Donnie helped design some of the newer products that Excellence in Endodontics now sells. The company experienced double digit percentage sales growth as a result of the hard work of father and son.

In 2015, Dr. Carr gave management of Excellence in Endodontics over to his son, but remains on for product development assistance and guidance. **Donnie has continued to focus on improving and growing the company while maintaining the standards his father set in place, focusing on quality with USA made products and reliable customer support.**

Dr. Carr's desire to improve his own endodontic practice led to the creation of PERF, which provided the insight needed to create better instruments. Having better instruments highlighted the need for more comprehensive software to track outcomes. Feedback from this software inspired a new production line of improved tools. Through the use of these instruments in Dr. Carr's own practice, and in doctors' practices all around the world, more and more information flows into PERF, creating a full circle of innovation and education.

With the support of over a thousand doctors in dozens of countries, **EIE2 and TDO have grown exponentially, and they will continue to evolve to help advance endodontic research and promote the progress of individual practices.**

Thank you,
The Excellence in Endodontics Family



ULTRASONIC TIPS

Vibrating, Troughing, Instrument Removal and General Use

Dr Gary B. Carr is the original inventor and developer of ultrasonic tips for endodontics. Initially developed in 1987 as an adjunct for surgical endodontics, their use has expanded so that they are today indispensable for all areas of endodontic treatment and re-treatment.



NON-DIAMOND	\$65	\$80
MICRO-ETCHED	\$70	\$85
DIAMOND	\$75	\$90



VIBRATING TIPS

VT1



- End Diameter: 1.65mm
- Post and Crown Removal
- Standard Vibrating Ultrasonic Tip
- Condenses Amalgam

VT1 (Micro-Etched)



- End Diameter: 1.65mm
- Post and Crown Removal
- Standard Vibrating Ultrasonic Tip
- Condenses Amalgam
- Micro-Etched finish to add extra grip and friction to the tip

VT2



- End Diameter: 1.25mm
- Post and Crown Removal
- Cleans the Access Cavity and Orifices
- Condenses Amalgam

VT3



- End Diameter: 2.85
- Post and Crown Removal

VT4



- End Diameter: 2mm
- Post and Crown Removal
- Condenses Amalgam

TROUGHING TIPS

BALL-D



- End Diameter: 1mm
- Wide Troughing
- Cleans Access Cavities
- Refines Crown Prep Margins
- Refines Box Preps

PEAR-D



- End Diameter: 1.15mm
- Post and Crown Removal
- Cleans the Access Cavity and Orifices

BALL-D (Open)



- End Diameter: 1mm
- Wide Troughing
- Cleans Access Cavities
- Refines Crown Prep Margins
- Refines Box Preps





INSTRUMENT REMOVAL / FINE TROUGHING

SP1 (Open)



- Removes separated instruments, silver (Ag) points and thermafil carriers
- Very fine troughing around posts to remove cement layers

SP1 (Closed)



- Removes separated instruments, silver (Ag) points and thermafil carriers
- Very fine troughing around posts to remove cement layers

SP1 (Closed Micro-Etched)



- Removes separated instruments, silver (Ag) points and thermafil carriers
- Very fine troughing around posts to remove cement layers
- Micro-Etched finish to add extra grip and friction to the tip

UT4



- Removes separated instruments
- Finds calcified canals

UT4-D



- Troughs canals

SP2 (Open)



- Removes separated instruments, silver (Ag) points and thermafil carriers
- Very fine troughing around posts to remove cement layers
- Finer and thinner than the SP1

SP2 (Closed)



- Removes separated instruments, silver (Ag) points and Thermafil carriers
- Very fine troughing around posts to remove cement layers
- Finer and thinner than the SP1

SP2 (Closed Micro-Etched)



- Removes separated instruments, silver (Ag) points and Thermafil carriers
- Very fine troughing around posts to remove cement layers
- Finer and thinner than the SP1
- Micro-Etched finish to add extra grip and friction to the tip

UT4 (Micro-Etched)



- Troughs canals
- Micro-Etched finish to add extra grip and friction to the tip





GENERAL USE / MULTI-USE (Sharp/Rounded Points)

WH1



- Powerful and accurate cutting
- The oblique bend enhances visibility and creates more power at the tip
- Rounded point for smoother cutting

WH1-D



- Troughs canals
- Removes restorative materials
- Rounded point for smoother cutting

WH1 (Micro-Etched)



- Troughs canals
- Removes restorative materials
- Rounded point for smoother cutting
- Micro-Etched finish to add extra grip and friction to the tip

CT4



- Troughs canals
- Removes restorative materials, cements, silver (Ag) points, posts and Thermafil carriers

CT4-D



- Troughs canals
- Rounded point

WH2



- Powerful and accurate cutting
- Powerful scaling ability

WH2-D



- Troughs canals
- Removes restorable materials

CT4 (Micro-Etched)



- Troughs canals
- Rounded point
- Micro-Etched finish to add extra grip and friction to the tip





GENERAL USE / MULTI-USE (Flat Points)

CKT1



- Point Measurement: .60mm
- Generates extremely precise troughing grooves
- Removes restorative materials and other build-up materials

CKT2



- Point Measurement: .40mm
- Generates extremely precise troughing grooves
- Removes restorative materials and other build-up materials

CKT1-D



- Point Measurement: .75mm
- Creates a flat troughing groove
- Finds calcified canals, removes build up and restorative materials
- Preparation of buccal Class VI and ECIR Lesions
- Refines and cleans orifice opening
- Very good at cleaning Gutta Percha and sealer off orifice walls

CKT2-D



- Point Measurement: .50mm
- Creates a flat troughing groove
- Finds calcified canals, removes build up and restorative materials
- Preparation of buccal Class VI and ECIR Lesions
- Refines and cleans orifice opening

CKT3



- Point Measurement: .35mm
- Generates extremely precise troughing grooves
- Removes restorative materials and other build-up materials

CKT3-D



- Point Measurement: .40mm
- Creates a flat troughing groove
- Finds calcified canals, removes build-up and restorative materials
- Preparation of buccal Class VI and ECIR Lesions
- Refines and cleans orifice opening



SURGICAL TIPS

Based off of our SJ4 tip, these surgery tips come in around .6mm in diameter and have a 3mm working length. They are available in a right, left or downward bend configuration.

SJ4-3L



SJ4-3D



SJ4-3R





CARR MIRRORS

HD Micro-Mirrors, HD Photo Mirrors, Polished Mirrors and Handles

Our HD mirrors, developed by Dr. Gary B. Carr, provide exceptional clarity and reflection that reflect 99% of visible light. Rhodium mirrors only reflect 75% of visible light. Our HD mirrors have exceptional flatness and our special dielectric coating is layered on twelve times to create this effect. These HD mirrors are invaluable for photography through a microscope or for difficult cases where optical clarity is needed.



HD PHOTO MIRRORS	\$70	\$80
POLISHED MIRROR SETS	\$49	\$59



HD MICRO-MIRRORS

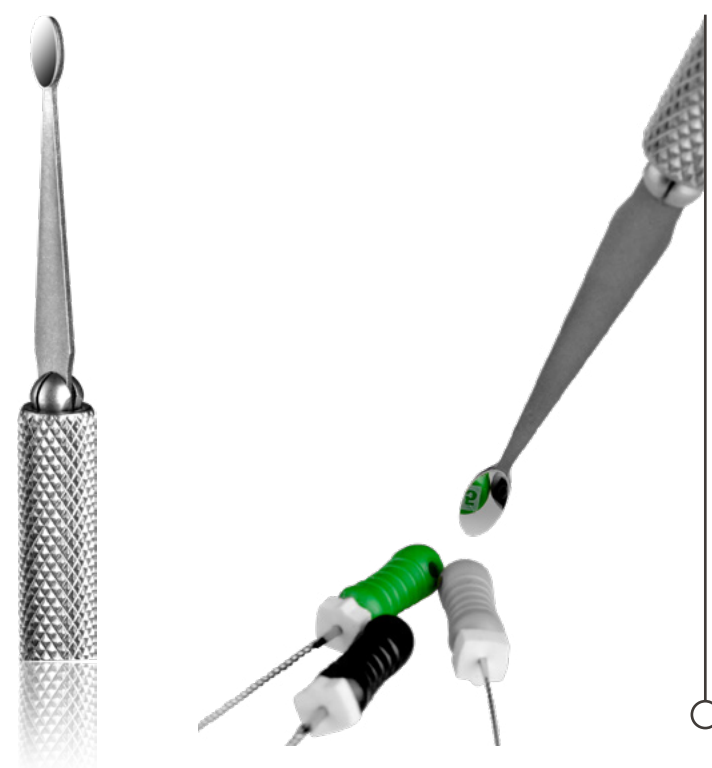
Our unique surgical Micro-Mirrors provide exceptional clarity during surgery under the microscope.

The flexible design allows our mirrors to be bent and positioned without compromising the procedure or the mirror. They allow for mirror placement in an ideal location regardless of the position of the beveled root tip. These mirrors may be bent many times without breakage.

All eie2 mirrors are invaluable for photography through a microscope or for difficult cases where optical clarity is needed. Please note that using an autoclave will weaken the special coating on the mirrors.

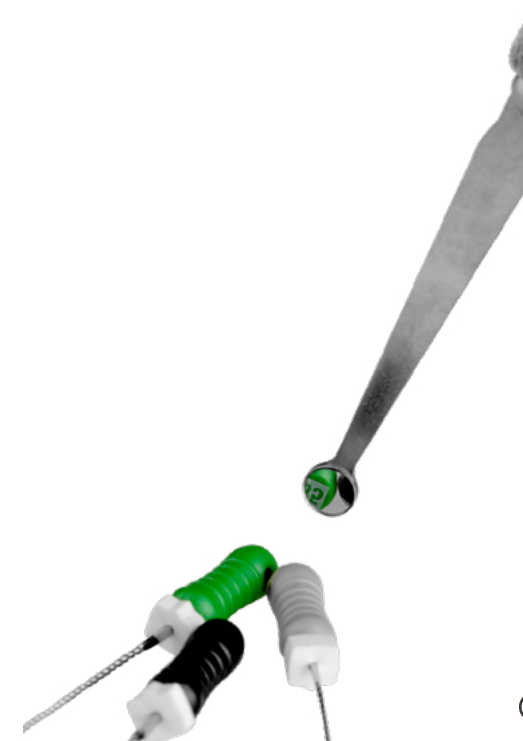
Please use non-glutaraldehyde sterilizing solutions like Compliance or Sporox for sterilization.

Mirror handles are sold separately.



3MM OVAL FLEXIBLE MIRROR (COLLET-TYPE)

The special oval design allows for placement into the crypt for the full extent of the root.



4MM OVAL FLEXIBLE MIRROR (COLLET-TYPE)



6MM OVAL FLEXIBLE MIRROR (COLLET-TYPE)



GENERAL PURPOSE HD MIRRORS (CONE SOCKET)

More rigid than the eie2 flexible mirror, this mirror is used when some retraction of soft tissue is needed. For example, use when documenting or examining lingual mandibular areas where tongue or tissue retraction is required or maxillary molar areas where lip retraction with the mirror is desired. **IE: photographing abfraction lesions from the buccal and retracting the cheek at the same time with the mirror. Also can be used in endodontic surgical procedures where a larger mirror is desired.**



12MM RIGID MIRROR
(CONE SOCKET)



25MM RIGID MIRROR
(CONE SOCKET)



19MM RIGID MIRROR
(CONE SOCKET)

GENERAL PURPOSE HD MIRRORS (FLEXIBLE)

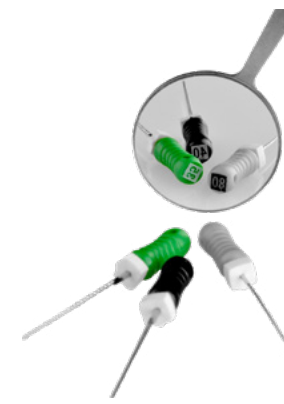
The flexible design allows our mirrors to be bent and positioned without compromising the procedure or the mirror. This design allows for mirror placement in an ideal location regardless of the position of the tooth. These mirrors may be bent many times without breakage. (They allow mirror access in difficult to visualize situations or in patients with very limited openings.)



10MM FLEXIBLE MIRROR
(COLLET-TYPE)



12MM FLEXIBLE MIRROR
(COLLET-TYPE)



19MM FLEXIBLE MIRROR
(COLLET-TYPE)



25MM FLEXIBLE MIRROR
(COLLET-TYPE)

CARR POLISHED MIRRORS

Our new line of autoclavable polished micro mirrors uses the same bendable and adjustable alloy of our existing mirrors for full customization of any angulation needed during the procedure. The process we use allows us to make the entire side of the part a mirror for extra utility.

Mirror handles are sold separately.



**POLISHED MICROMIRROR SET (3X)
3X6MM OVAL**



**POLISHED MICROMIRROR SET (3X)
2X5MM SHOVEL**



**POLISHED MICROMIRROR SET (3X)
3X7MM SHOVEL**



**POLISHED MICROMIRROR SET (3X)
4X9MM SHOVEL**



**POLISHED MICROMIRROR SET (3X)
SHOVEL SIZES**

MIRROR HANDLES



NON-RULED HANDLE FOR
FLEXIBLE MIRRORS
(COLLET-TYPE)

\$33 ~~\$38~~

MEASURING HANDLES

This lightweight surgical grade stainless steel made in USA measuring handle is made to last. Fully ambidextrous for both right handed and left handed users, existing customers will be familiar with the measuring layout. The full and half mm marks now go into the groove for more precise measuring under the microscope. For use with our collet style mirrors heads, both the CMM series or the HD Flexible series.

Our new **V2 MEASURING HANDLES** feature 3 thread types:

- Cone Socket
- Collet
- Simple Stem



AMBIDEXTROUS
MEASURING HANDLE
(COLLET TYPE) V2

\$45 ~~\$49~~



AMBIDEXTROUS
MEASURING HANDLE
(CONE TYPE) V2

\$45 ~~\$49~~



AMBIDEXTROUS
MEASURING HANDLE
(COLLET TYPE) V1

\$38 ~~\$44~~





LASCHAL INSTRUMENTS

Needle Holders, Endo File Forceps, Suture and File Extraction

Founded in 1993, Laschal has earned a reputation for being the best in class. Described by end-users as the Rolls Royce of surgical instruments. Lighter than steel and stronger than titanium, the performance is simply unparalleled. Where common instruments last an average of six months, Laschal instruments approach a decade of performance without decay in product structural integrity.





LASCHAL NEEDLE HOLDERS

We Can Special Order Any Product and Combination from Laschal Surgical for you!

LASCHAL SNAGLESS 7" NEEDLE HOLDER



CURVED

STRAIGHT

\$297 ~~\$400~~

LASCHAL CUTTING EDGE 7" NEEDLE HOLDER



CURVED

STRAIGHT

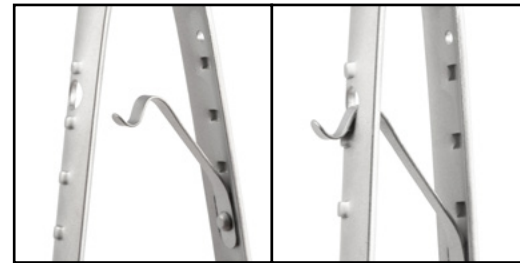
\$418 ~~\$450~~

LASCHAL ENDODONTIC FILE HOLDER



\$219 ~~\$300~~

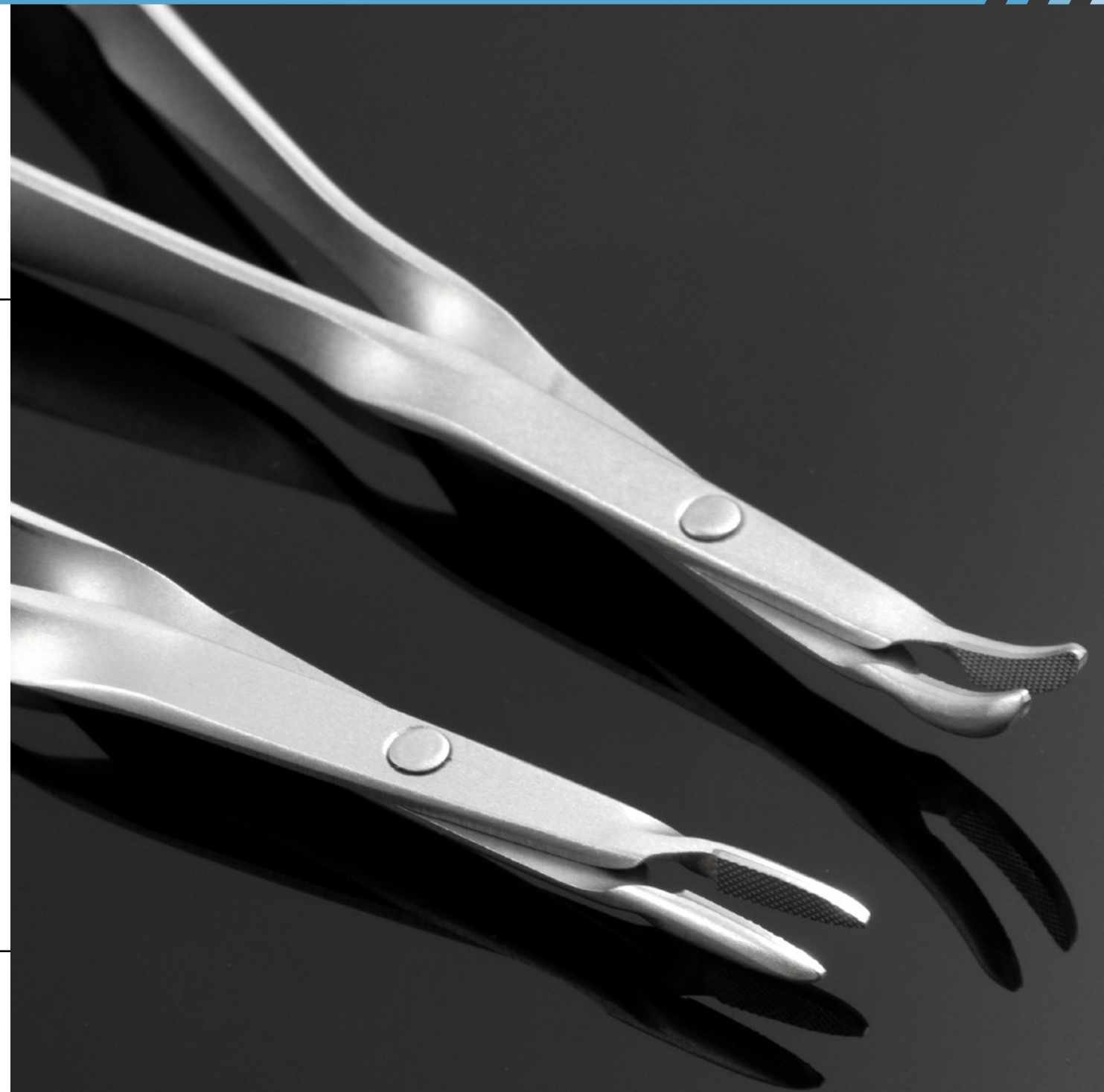
LOCKING STYLE



THUMB LOCK



CASTROVIEJO





LASCHAL ENDO FILE FORCEPS

We Can Special Order Any Product and Combination from Laschal Surgical for you!

LASCHAL ENDO FILE FORCEPS



75° E/W + LOCK

\$199 ~~\$250~~



90° N/S + LOCK



LASCHAL STIEGLITZ
ENDODONTIC FILE
FORCEPS E/W 75°

\$197 ~~\$250~~



LASCHAL STIEGLITZ
ENDODONTIC FILE
FORCEPS N/S 75°



STANDARD TIP

\$197 ~~\$250~~



LASCHAL STIEGLITZ
ENDODONTIC FILE
FORCEPS EXTRA THIN 75°
(DIAMOND DUSTED)



EXTRA THIN DIAMOND
DUSTED TIP

\$269 ~~\$300~~



LASCHAL 'RAPTOR'
POST REMOVAL
FORCEPS

\$220 ~~\$300~~





LASCHAL SUTURE AND FILE EXTRACTION

We Can Special Order Any Product and Combination from Laschal Surgical for you!



LASCHAL SAFE-T
SUTURE CUTTER

\$175 ~~\$250~~



LASCHAL SOFTOUCH
SUTURE SCISSOR

\$167 ~~\$200~~



LASCHAL CURVED
PERIODONTAL SCISSORS 30°

\$201 ~~\$250~~



FXP SET

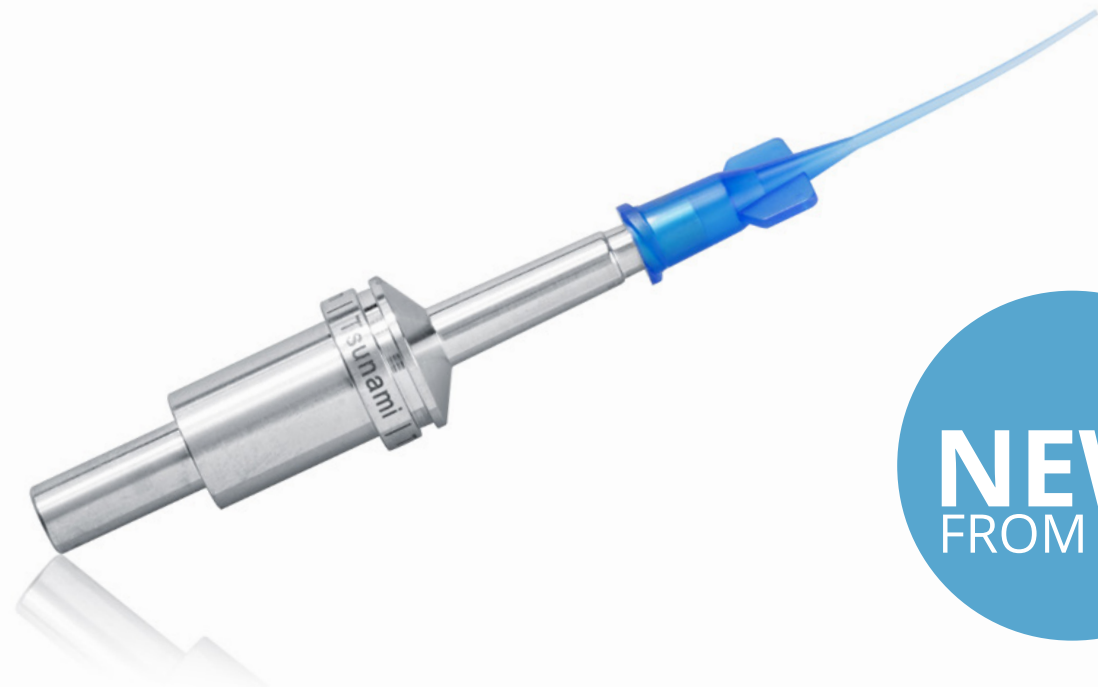
\$385 ~~\$425~~





TSUNAMI MICROSUCTION

Designed in collaboration with Dr. Tim Silbert from Western Endodontics in Perth, Australia. The Tsunami Microsuction is the universal adapter for your microsuctioning needs. Compatible with most HVE units, DCI/A-dec saliva ejectors (Type A) or ASI saliva ejectors (Type B), this unit allows the fit of luer slip, luer lock and Centrix capillary tips and needle tubes for precision microsuctioning down the canal. Perfect for cases with significant drainage or suppuration and for drying the canals. This significantly reduces the need for paper points. Made from surgical grade stainless steel the Tsunami won't rust or corrode.



NEW!
FROM EIE2



ASI ERGO HANDLE HVE

\$190 ~~\$200~~



ASI ERGO HANDLE HVE +
TSUNAMI MICROSUCTION



70mm ASSISTANT SCOPE EXTENDERS

Our assistant scope extensions free up 70mm of space to help with proper ergonomics, posture and positioning.

Available for both the Zeiss and Global Microscopes.

\$225 ~~\$275~~



TDO USER MEETING VIDEOS

Learn to better manage your team, pick up new documentation photography tips and tricks, streamline your assistant training and many more topics are covered at our yearly TDO user meetings.

Available individually or as a set.





ACCESSORIES



TIP STAND SILVER
\$55



TIP STAND TEAL
\$55



TIP STAND PURPLE
\$55



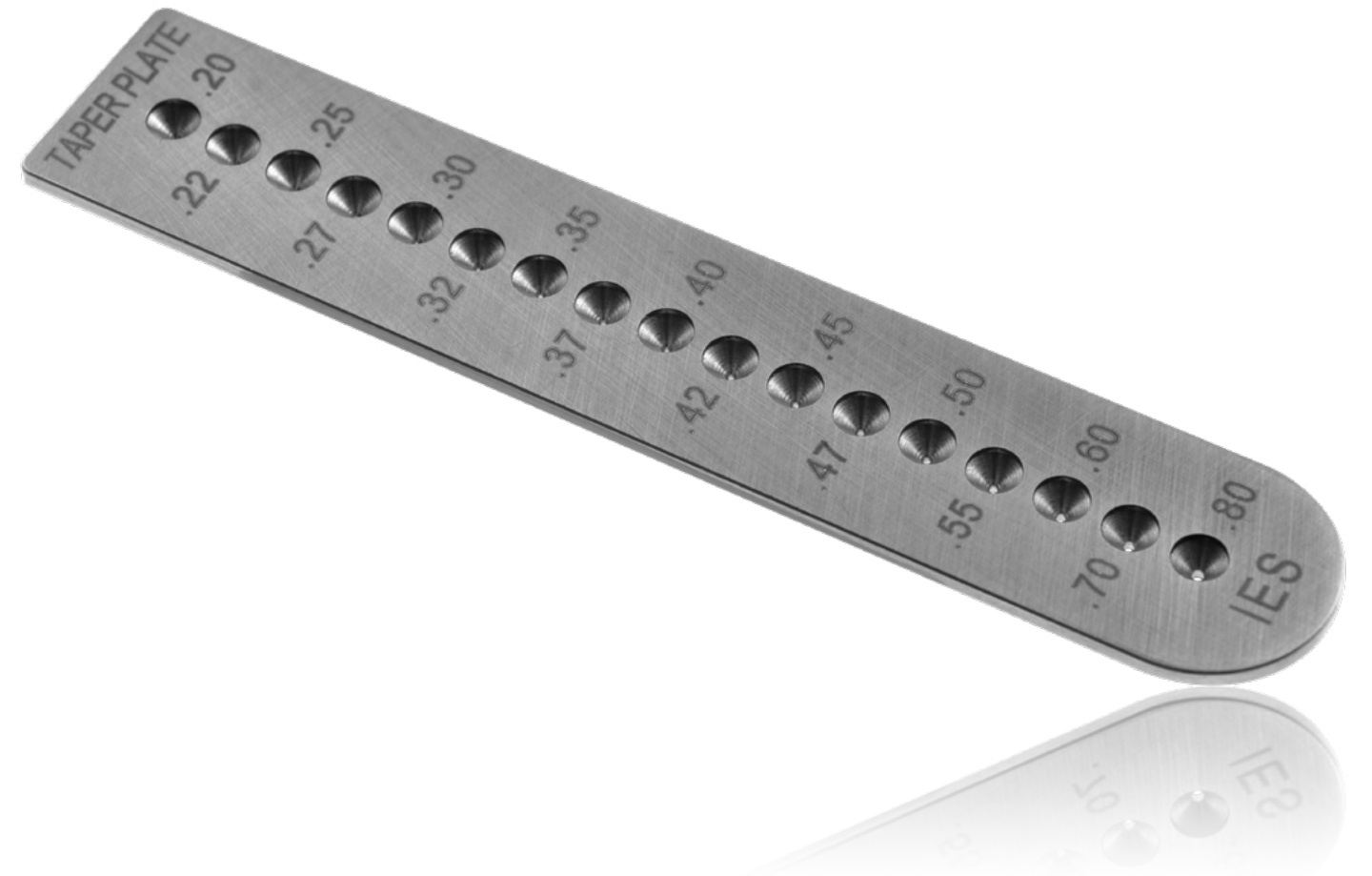
TIP STAND BLUE
\$55



TIP STAND BLACK
\$55



ENDO WRENCH
\$15 ~~\$20~~



TAPER PLATE

Designed by TDO Software user Dr. Scott Martin, this high quality American made taper plate is designed for many years of use. Superior to plastic models which can warp, wear, and discolor, this stainless steel taper plate will keep accurate measurements and be easy to clean. This taper plate is the only one on the market with quarter size measuring increments which is essential for precision cone fitting.

\$149 ~~\$165~~



ACCESSORIES



DCA-220 DIGITAL CAMERA ADAPTER **\$1,599** ~~\$1,699~~

Developed by TDO Software user Dr. Scott Bentkover

- Made with Apochromatic lenses
- Utilizes dielectric mirror technology, reflecting more light than other adapters which use prisms
- Right focal length for the APS-C sized sensor cameras
- Canon EOS Rebel series cameras (T1i, T2i, T3i, T4i, T5i, & SL1)
- Canon EOS series cameras (20D, 30D, 40D, 50D, 60D, 70D & 7D)
- Sony Alpha and NEX series cameras (α6000, α6300, α6500, α68, α77, α77 II, NEX-3, NEX-5 & NEX-7)
- Nikon D3000 series cameras (D3100, D3200, D3300)
- Nikon D5000 series cameras (D5100, D5200, D5300)
- Nikon D7000 series cameras (D7000, D7100)
- Nikon D90 and D300s
- Allows quick changing of the camera without removing the entire adapter from the scope
- Allows easy changing of the camera orientation
- Specifically designed to attach to either a Global or a Zeiss microscope
- Light weight
- Made in the USA



QUICKSPLINT COMBO PACK

QuickSplint is an interim, multi-purpose, custom-fit, bite plane that takes only minutes to fabricate and has dozens of practical uses in dentistry. Whether you are a general dentist or a specialist, QuickSplint comes to your aid to help diagnose, treat, protect, and heal your patients.

\$229 ~~\$270~~



DA VINCI CURING LIGHT GUIDE

\$39 ~~\$49~~



BRASSERLER FORZA V3 NON-OPTIC ULTRASONIC UNIT WITH HANDPIECE

\$1,249



EIE²

EXCELLENCE IN ENDODONTICS®

**THANK YOU FOR YOUR CONTINUED
SUPPORT OVER THESE PAST 20 YEARS!**