

# 2018 AAE Specials

*For orders taken at the AAE Meeting.*

## 6+1

Doctor buys 6  
pkgs and gets  
the 7<sup>th</sup> of equal  
or lesser value  
at no charge.

- ▶ **Xtreme™ Hand Files** (Controlled Memory)
- ▶ **Xtreme™ Engine Files** (Controlled Memory)
- ▶ **MITY Hand Files** (NiTi)
- ▶ **MITY Engine Files** (NiTi)
- ▶ **S5 Endo Files** (NiTi)
- ▶ **Quick-Fill** (Gutta Percha Obturator)
- ▶ **Gutta Percha & Paper Points**
- ▶ Stainless Steel **K-Files, Reamers, H-Files**
- ▶ Stainless Steel **Pluggers & Spreaders**
- ▶ Stainless Steel **Broaches & Paste Fillers**
- ▶ Stainless Steel **Gates & Peesos**
- ▶ **Gold Plated & Titanium Anchorage Posts**

▶ **4+1 on LM Luxating Instruments**

(Doctor buys 4 instruments and gets the 5<sup>th</sup> of equal or lesser value at no charge.)

▶ **10% OFF All of our other products**

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**2018 AAE Specials** are valid for orders taken at the show only. Orders must specify Dr. Name, Show Name, and date. *These Specials can NOT be combined with any other specials, offers, discounts, or contract prices.* JS Dental Manufacturing, Inc. reserves the right to void this offer at any time without prior notice. If you need additional information, please call or fax us at above numbers.



# Xtreme™

## Controlled Memory Instruments

These Xtreme™ controlled memory instruments are made in USA from a high quality nickel-titanium that has been heat treated, increasing its strength, flexibility and cycling fatigue, providing the ultimate in root canal instruments.

## Xtreme™ PT (Precision Taper)

The Xtreme PT is a multi-tapered instrument designed to provide a flexible, safe and efficient cutting combination. The PT file system includes 3 *Shaping Files* (SX, S1, S2) and 5 *Finishing Files* (F1, F2, F3, F4, F5). The PT files are available in 21mm, 25mm and 31mm lengths (The SX is 19mm only). All files have non-cutting tips to prevent ledging and transportation of the canal.



### Comparable to:

ProTaper Gold® (Made in Germany & Switzerland)  
EdgeTaper™ Platinum (Made in France)

Cross Section



### Also a replacement for:

ProTaper® (Made in Germany & Switzerland)  
EdgeTaper™ (Made in France)



### 6/pkg Xtreme PT (Precision Taper) with stops & mm

Size	Taper	21mm	25mm	31mm
SX (#19)	.04v	1PG19SX	--	--
S1 (#18)	.02v	1PG21S1	1PG25S1	1PG31S1
S2 (#20)	.04v	1PG21S2	1PG25S2	1PG31S2
F1 (#20)	.07v	1PG21F1	1PG25F1	1PG31F1
F2 (#25)	.08v	1PG21F2	1PG25F2	1PG31F2
F3 (#30)	.09v	1PG21F3	1PG25F3	1PG31F3
F4 (#40)	.06v	1PG21F4	1PG25F4	1PG31F4
F5 (#50)	.05v	1PG21F5	1PG25F5	1PG31F5
Asst	-	1PG21FA	1PG25FA	1PG31FA

ProTaper® and ProTaper Gold® are registered trademarks of Dentsply Sirona, Inc.  
EdgeTaper™ and EdgeTaper Platinum™ are trademarks of Edge Endo, LLC.



## Xtreme™ VX<sub>4</sub> and VX<sub>6</sub>

The Xtreme VX instruments are designed with a triangular cross section and variable pitch that provide optimal cutting efficiency and flexibility. The VX is available in .04 taper (VX<sub>4</sub>) and .06 taper (VX<sub>6</sub>), sizes 15 to 50, and 21mm, 25mm and 31mm lengths. All files have non-cutting tips to prevent ledging and transportation of the canal.



### Comparable to:

Vortex Blue® (Made in Germany & Switzerland)  
EdgeSequel™ Sapphire (Made in France)

### Also a replacement for:

Vortex® (Made in Germany & Switzerland)  
EdgeSequel™ (Made in France)  
EndoSequence®  
K3®



Cross Section



6/pkg	Xtreme VX <sub>4</sub> with red stops & mm			Xtreme VX <sub>6</sub> with green stops & mm		
	21mm	25mm	31mm	21mm	25mm	
#15	1VX41015	1VX45015	1VX43015	1VX61015	1VX65015	1VX63015
#20	1VX41020	1VX45020	1VX43020	1VX61020	1VX65020	1VX63020
#25	1VX41025	1VX45025	1VX43025	1VX61025	1VX65025	1VX63025
#30	1VX41030	1VX45030	1VX43030	1VX61030	1VX65030	1VX63030
#35	1VX41035	1VX45035	1VX43035	1VX61035	1VX65035	1VX63035
#40	1VX41040	1VX45040	1VX43040	1VX61040	1VX65040	1VX63040
#45	1VX41045	1VX45045	1VX43045	1VX61045	1VX65045	1VX63045
#50	1VX41050	1VX45050	1VX43050	1VX61050	1VX65050	1VX63050
15-40	1VX41154	1VX45154	1VX43154	1VX61154	1VX65154	1VX63154

Vortex® and Vortex Blue® are registered trademarks of Dentsply Sirona, Inc.  
EdgeSequel™ and EdgeSequel Sapphire™ are trademarks of Edge Endo, LLC.  
EndoSequence® is a registered trademark of Brasseler Holdings, LLC.  
K3® is a registered trademark of Sybron Endo.



## Xtreme™ 7<sub>4</sub> and 7<sub>6</sub>

The Xtreme 7 is a series of 7 files (17, 20, 25, 30, 35, 40, 45 tip sizes) available in .04 taper (7<sub>4</sub>) and .06 taper (7<sub>6</sub>). The special cross section and patented Controlled Memory process allows the Xtreme 7 series to reach maximum flexibility and ensure a safe and effective use. The series is available in 21mm, 25mm and 31mm lengths. These instruments are used with familiar techniques and sequences that are comparable to other products on the market.



### Comparable to:

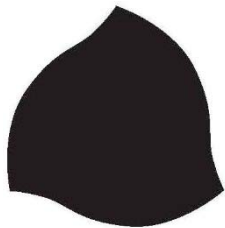
EdgeFile® X7 (Made in France)

### Also a replacement for:

Profile® (Made in Germany & Switzerland)

EndoSequence®

K3®



Cross Section

6/pkg	Xtreme™ 7 <sub>4</sub> with stops & mm			Xtreme™ 7 <sub>6</sub> with stops & mm		
	21mm	25mm	31mm	21mm	25mm	31mm
#17	1X741017	1X745017	1X743017	1X761017	1X765017	1X763017
#20	1X741020	1X745020	1X743020	1X761020	1X765020	1X763020
#25	1X741025	1X745025	1X743025	1X761025	1X765025	1X763025
#30	1X741030	1X745030	1X743030	1X761030	1X765030	1X763030
#35	1X741035	1X745035	1X743035	1X761035	1X765035	1X763035
#40	1X741040	1X745040	1X743040	1X761040	1X765040	1X763040
#45	1X741045	1X745045	1X743045	1X761045	1X765045	1X763045

EdgeFile® is a registered trademark of Edge Endo, LLC.

Profile® is a registered trademark of Dentsply Sirona, Inc.

EndoSequence® is a registered trademark of Brasseler Holdings, LLC.

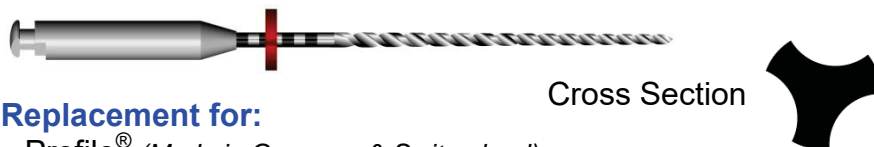
K3® is a registered trademark of Sybron Endo.

# Controlled Memory Endo Instruments



## Xtreme™ 360°

The Xtreme 360° is a U-File design instrument in .02 taper. It is designed for use with the step-back technique and is available in 21 and 25mm lengths.



**Replacement for:**  
Profile® (Made in Germany & Switzerland)

6/pkg		<b>Xtreme™ 360°</b> with stops & mm	
Size	21mm	25mm	
#15	1U1015	1U5015	
#20	1U1020	1U5020	
#25	1U1025	1U5025	
#30	1U1030	1U5030	
#35	1U1035	1U5035	
#40	1U1040	1U5040	
15-40	1U1154	1U5154	

## Xtreme™ T<sub>4</sub> & T<sub>6</sub>

The Xtreme T<sub>4</sub> & T<sub>6</sub> instruments are designed with a triangular cross section. The T<sub>4</sub> is .04 taper with yellow stops and the T<sub>6</sub> is .06 taper with blue stops. Available in 21mm & 25mm.



**Replacement for:**  
Vortex Blue® & Vortex®  
EdgeSequel™ Sapphire EdgeSequel™

6/pkg		<b>Xtreme T<sub>4</sub></b> with stops & mm		<b>Xtreme T<sub>6</sub></b> with stops & mm	
Size	21mm	25mm	21mm	25mm	
#15	1UT41015	1UT45015	1UT61015	1UT65015	
#20	1UT41020	1UT45020	1UT61020	1UT65020	
#25	1UT41025	1UT45025	1UT61025	1UT65025	
#30	1UT41030	1UT45030	1UT61030	1UT65030	
#35	1UT41035	1UT45035	1UT61035	1UT65035	
#40	1UT41040	1UT45040	1UT61040	1UT65040	
15-40	1UT41154	1UT45154	1UT61154	1UT65154	

## Xtreme™ K-File & T-File

The Xtreme instruments are also available in manual configurations. The T-File is a double fluted hedstrom type instrument for fast debri removal. Both are available in 21mm, 25mm and 31mm.



Xtreme K-File



Xtreme T-File

6/pkg		<b>Xtreme™ K-File</b> with stops & mm			<b>Xtreme™ T-File</b> with stops & mm		
Size	21mm	25mm	31mm	21mm	25mm	31mm	
#15	1K1015	1K5015	1K3015	1T1015	1T5015	1T3015	
#20	1K1020	1K5020	1K3020	1T1020	1T5020	1T3020	
#25	1K1025	1K5025	1K3025	1T1025	1T5025	1T3025	
#30	1K1030	1K5030	1K3030	1T1030	1T5030	1T3030	
#35	1K1035	1K5035	1K3035	1T1035	1T5035	1T3035	
#40	1K1040	1K5040	1K3040	1T1040	1T5040	1T3040	
15-40	1K1154	1K5154	1K3154	1T1154	1T5154	1T3154	

Profile®, Vortex® and Vortex Blue® are registered trademarks of Dentsply Sirona, Inc. • EdgeSequel™ and EdgeSequel Sapphire™ are trademarks of Edge Endo, LLC.



# Mity™ Files

## Nickel-Titanium Instruments

These **Mity** instruments are made from a high quality nickel-titanium and are available in a variety of configurations. All come with mm markings and rubber stops. The **Mity** PT, VX, Roto 360, T4 & T6 are made in USA.

## Mity™ PT (*Precision Taper*)

The Mity PT is a multi-tapered instrument designed to provide a flexible, safe and efficient cutting combination. The PT file system includes 3 *Shaping Files* (SX, S1, S2) and 5 *Finishing Files* (F1, F2, F3, F4, F5). The PT files are available in 21mm, 25mm and 31mm lengths (The SX is 19mm only). All files have non-cutting tips to prevent ledging and transportation of the canal.



Cross Section



**Comparable to:**

ProTaper® (*Made in Germany & Switzerland*)  
 EdgeTaper™ (*Made in France*)



6/pkg

### Mity PT (Precision Taper) with stops & mm

Size	Taper	21mm	25mm	31mm
SX (#19)	.04v	2PU19SX	--	--
S1 (#18)	.02v	2PU21S1	2PU25S1	2PU31S1
S2 (#20)	.04v	2PU21S2	2PU25S2	2PU31S2
F1 (#20)	.07v	2PU21F1	2PU25F1	2PU31F1
F2 (#25)	.08v	2PU21F2	2PU25F2	2PU31F2
F3 (#30)	.09v	2PU21F3	2PU25F3	2PU31F3
F4 (#40)	.06v	2PU21F4	2PU25F4	2PU31F4
F5 (#50)	.05v	2PU21F5	2PU25F5	2PU31F5
Asst	-	2PU21FA	2PU25FA	2PU31FA

ProTaper® is a registered trademark of Dentsply Sirona, Inc.  
 EdgeTaper™ is a trademark of Edge Endo, LLC.



## Mity™ VX<sub>4</sub> and VX<sub>6</sub>

The Mity VX instruments are designed with a triangular cross section and variable pitch that provide optimal cutting efficiency and flexibility. The VX is available in .04 taper (VX<sub>4</sub>) and .06 taper (VX<sub>6</sub>), sizes 15 to 50, and 21mm, 25mm and 31mm lengths. All files have non-cutting tips to prevent ledging and transportation of the canal.

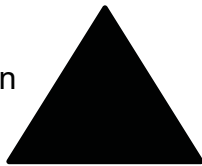


### Comparable to:

- Vortex® (Made in Germany & Switzerland)
- EdgeSequel™ (Made in France)
- EndoSequence®
- K3®



Cross Section



6/pkg	Mity VX <sub>4</sub> with red stops & mm			Mity VX <sub>6</sub> with green stops & mm		
	21mm	25mm	31mm	21mm	25mm	
#15	2VX41015	2VX45015	2VX43015	2VX61015	2VX65015	2VX63015
#20	2VX41020	2VX45020	2VX43020	2VX61020	2VX65020	2VX63020
#25	2VX41025	2VX45025	2VX43025	2VX61025	2VX65025	2VX63025
#30	2VX41030	2VX45030	2VX43030	2VX61030	2VX65030	2VX63030
#35	2VX41035	2VX45035	2VX43035	2VX61035	2VX65035	2VX63035
#40	2VX41040	2VX45040	2VX43040	2VX61040	2VX65040	2VX63040
#45	2VX41045	2VX45045	2VX43045	2VX61045	2VX65045	2VX63045
#50	2VX41050	2VX45050	2VX43050	2VX61050	2VX65050	2VX63050
15-40	2VX41154	2VX45154	2VX43154	2VX61154	2VX65154	2VX63154

Vortex® is a registered trademark of Dentsply Sirona, Inc.  
 EdgeSequel™ is a trademark of Edge Endo, LLC.  
 EndoSequence® is a registered trademark of Brasseler Holdings, LLC.  
 K3® is a registered trademark of Sybron Endo.

# Nickel-Titanium Endo Instruments

## Mity™ Roto 360°

The Mity Roto 360° is a U-File design instrument in .02 taper. It is designed for use with the step-back technique and is available in 21 and 25mm lengths, sizes 15 thru 80 and assorted.



Cross Section



### Replacement for:

Profile® (Made in Germany & Switzerland)



### 6/pkg Mity Roto 360° with stops & mm

Size	21mm	25mm
#15	2U1015	2U5015
#20	2U1020	2U5020
#25	2U1025	2U5025
#30	2U1030	2U5030
#35	2U1035	2U5035
#40	2U1040	2U5040
#45	2U1045	2U5045
#50	2U1050	2U5050
#55	2U1055	2U5055
#60	2U1060	2U5060
#70	2U1070	2U5070
#80	2U1080	2U5080
15-40	2U1154	2U5154
45-80	2U1458	2U5458

## Mity™ T<sub>4</sub> & T<sub>6</sub>

The Mity T<sub>4</sub> & T<sub>6</sub> instruments are designed with a triangular cross section. The T<sub>4</sub> is .04 taper with yellow stops and the T<sub>6</sub> is .06 taper with blue stops. Available in 21mm & 25mm.



Cross Section



### Replacement for:

Vortex®  
EdgeSequel™

### 6/pkg Mity T<sub>4</sub> with stops & mm Mity T<sub>6</sub> with stops & mm

Size	21mm	25mm	21mm	25mm
#15	2UT41015	2UT45015	2UT61015	2UT65015
#20	2UT41020	2UT45020	2UT61020	2UT65020
#25	2UT41025	2UT45025	2UT61025	2UT65025
#30	2UT41030	2UT45030	2UT61030	2UT65030
#35	2UT41035	2UT45035	2UT61035	2UT65035
#40	2UT41040	2UT45040	2UT61040	2UT65040
15-40	2UT41154	2UT45154	2UT61154	2UT65154

Profile® and Vortex® are registered trademarks of Dentsply Sirona, Inc.  
EdgeSequel™ is a registered trademark of Edge Endo, LLC.



# Nickel-Titanium Endo Instruments

## Mity™ Hand Files

The Mity family of instruments include manual K-Files, Hedstrom Files, Reamers, T-Files, Pluggers & Spreaders. All are made from nickel-titanium wire and have rust colored stops and etched mm markings with ISO color coded plastic handles.

### Mity K-File

K-File  
Cross  
Section



### Mity H-File

H-File  
Cross  
Section



### Mity Reamer

Reamer  
Cross  
Section



### Mity T-File

T-File  
Cross  
Section



6/pkg	Mity K-File with stops & mm			Mity H-File with stops & mm			Mity Reamer with stops & mm			Mity T-File with stops & mm			
	Size	21mm	25mm	31mm	21mm	25mm	31mm	21mm	25mm	31mm	21mm	25mm	31mm
#8	2K1008	2K5008	2K3008	--	--	--	--	--	--	--	2T1008	2T5008	2T3008
#10	2K1010	2K5010	2K3010	2H1010	2H5010	2H3010	2R1010	2R5010	2R3010	2T1010	2T5010	2T3010	
#15	2K1015	2K5015	2K3015	2H1015	2H5015	2H3015	2R1015	2R5015	2R3015	2T1015	2T5015	2T3015	
#20	2K1020	2K5020	2K3020	2H1020	2H5020	2H3020	2R1020	2R5020	2R3020	2T1020	2T5020	2T3020	
#25	2K1025	2K5025	2K3025	2H1025	2H5025	2H3025	2R1025	2R5025	2R3025	2T1025	2T5025	2T3025	
#30	2K1030	2K5030	2K3030	2H1030	2H5030	2H3030	2R1030	2R5030	2R3030	2T1030	2T5030	2T3030	
#35	2K1035	2K5035	2K3035	2H1035	2H5035	2H3035	2R1035	2R5035	2R3035	2T1035	2T5035	2T3035	
#40	2K1040	2K5040	2K3040	2H1040	2H5040	2H3040	2R1040	2R5040	2R3040	2T1040	2T5040	2T3040	
#45	2K1045	2K5045	2K3045	2H1045	2H5045	2H3045	2R1045	2R5045	2R3045	2T1045	2T5045	2T3045	
#50	2K1050	2K5050	2K3050	2H1050	2H5050	2H3050	2R1050	2R5050	2R3050	2T1050	2T5050	2T3050	
#55	2K1055	2K5055	2K3055	2H1055	2H5055	2H3055	2R1055	2R5055	2R3055	2T1055	2T5055	2T3055	
#60	2K1060	2K5060	2K3060	2H1060	2H5060	2H3060	2R1060	2R5060	2R3060	2T1060	2T5060	2T3060	
#70	2K1070	2K5070	2K3070	2H1070	2H5070	2H3070	2R1070	2R5070	2R3070	2T1070	2T5070	2T3070	
#80	2K1080	2K5080	2K3080	2H1080	2H5080	2H3080	2R1080	2R5080	2R3080	2T1080	2T5080	2T3080	
15-40	2K1154	2K5154	2K3154	2H1154	2H5154	2H3154	2R1154	2R5154	2R3154	2T1154	2T5154	2T3154	
45-80	2K1458	2K5458	2K3458	2H1458	2H5458	2H3458	2R1458	2R5458	2R3458	2T1458	2T5458	2T3458	

6/pkg	Mity Spreader with stops & mm			Mity Plugger with stops & mm		
	Size	21mm	25mm	31mm	21mm	25mm
#15	2S1015	2S5015	2S3015	2P1015	2P5015	2P3015
#20	2S1020	2S5020	2S3020	2P1020	2P5020	2P3020
#25	2S1025	2S5025	2S3025	2P1025	2P5025	2P3025
#30	2S1030	2S5030	2S3030	2P1030	2P5030	2P3030
#35	2S1035	2S5035	2S3035	2P1035	2P5035	2P3035
#40	2S1040	2S5040	2S3040	2P1040	2P5040	2P3040
15-40	2S1154	2S5154	2S3154	2P1154	2P5154	2P3154



## Sculpt Masterpieces

### Esthetic layering - Succeed with LM-Arte

LM-Arte is a set of innovative instruments for esthetic restorations and are designed especially for composite layering. Each instrument is color-coded and named by its main function to enable easy, efficient and quick restorative treatments.

LM-Arte instruments have been developed in co-operation with *Style Italiano*, a study group of passionate clinicians and researchers specialized in esthetic restorative dentistry.

Instruments are made of high-quality LM-DureGradeMax supersteel with exceptional polish and are available in ErgoSense and ErgoMax handles.

### Choose your handle

Choose the handle that fits your needs. The new ErgoSense handles have a larger diameter and are more ergonomic.

**LMErgoSense** - Ø13.7mm (item number ends with ES)



**LMErgoMax** - Ø11.5mm (item number ends with XSI)



# LMArte Instruments



LM-Arte **Applica**

**LMErgoSense** LM46-49ES  
**LMErgoMax** LM46-49XSI

## Apply elastically

A very thin and flexible spatula designed for transporting and esthetic modeling of the composite. The flexible working end sculpts composite gently and precisely imitating the natural shapes of the tooth. The thin tip of the Applica enables the modeling in narrow spaces or against the matrix band.



LM-Arte **Applica Twist**

**LMErgoSense** LM464-494ES  
**LMErgoMax** LM464-494XSI

## Apply with a twist

Especially thin, flexible and narrow spatula for composite modeling. With the Applica Twist, it's very easy to model in the approximal spaces and marginal ridges in matrix. Its angled tips allow for reaching very difficult areas without uncomfortable hand positions.



LM-Arte **Modella**

**LMErgoSense** LM442-443ES  
**LMErgoMax** LM442-443XSI

## Model flexibly

Especially fine and wide spatula for composite modeling. Suitable for large tooth surfaces such as buccal surface of incisors. The wide spatula effectively flattens the composite. The flexible and sharp tip helps to create precise aesthetic details. Works well for applying composite from syringe.



LM-Arte **Condensa**

**LMErgoSense** LM488-489ES  
**LMErgoMax** LM488-489XSI

## Push softly

A long and round plugger designed specifically for modeling of composite. The angled shanks of the instrument enable easy access to all areas. Condensa has both a thin and a thick tip which allows for use in cavities of different sizes in both anterior and posterior areas. The rounded working tips enables for a delicate condensation of composite without risk of sticking.



LM-Arte **Misura**

**LMErgoSense** LM496-497ES  
**LMErgoMax** LM496-497XSI

## Measure precisely

A unique instrument for horizontal & vertical measuring thickness of composite layers on anterior restorations. After the layering but before the polymerization of the dentine composite, the thinner, conical shaped tip is placed on the natural tooth enamel. This way the un-polymerized composite remaining under the conical tip will be gently modeled, leaving an optimal space for enamel composite layer. The thicker, short tip of the Misura is placed horizontally on the margin of the prepared cavity so that the edge of the tip remains on the original enamel. This determines the right amount of transparent composite to apply. As a result, the final esthetic restoration consists of correctly calibrated opaque and translucent composites, preventing the unpleasant grey effect of the composites.



LM-Arte **Posterior Misura**

**LMErgoSense** LM498-499ES  
**LMErgoMax** LM498-499XSI

## Measure & model handy

Posterior version of the popular Misura instrument. Designed for vertical measuring of thickness of composite layers on posterior restorations. The fork shaped tip of the instrument allows modeling of the proximal wall to correct height and anatomy of the neighboring tooth with presence of a matrix.



LM-Arte **Fissura**

**LMErgoSense** LM481-487ES  
**LMErgoMax** LM481-487XSI

## Sculpt delicately

A modeling instrument with sharp pointed tips. The conical tip is perfect for sculpting, using only this instrument, the anatomy of occlusal areas of posterior teeth. The fine, probe shaped, tip is optimal for modeling fissures and mamelons as well as for layering composites and sealants.



LM-Arte **Eccesso**

**LMErgoSense** LM307-308ES  
**LMErgoMax** LM307-308XSI

## Finish neatly

Instrument designed for removal of composite and bonding residue. The curved working ends are ideal for removal of excess material from cervical anterior and interproximal molar areas. This fine and solid instrument has the perfect length, thickness and width of the blade.

### LM-Arte Set

Includes Arte Applica, Arte Condensa, Arte Fissura, Arte Misura, Arte Eccesso and Servo 5 sterilizable cassette.

**LMErgoSense** LM6840ES  
**LMErgoMax** LM6840XSI





LM ErgoSense

# SHARP DIAMOND

LM

feel the difference



## SHARPEN FREE INSTRUMENTS

### ENJOY SHARPEN FREE PERIO

LM-Dental has launched Sharp Diamond, a micro coated periodontal hand instrument, which is completely sharpen free. The Sharp Diamond tip is made from exceptionally durable special metal alloy and its wear resistance is enhanced by a protective micro membrane coating. Sharp Diamond instruments are especially suitable for clinicians who use hand instruments frequently, want to minimize the time spent maintaining dental instruments, and for those who want to work with a controlled but relaxed grip. The LM-ErgoSense handle, found to have the highest rated ergonomics in studies by the Finnish Institute of Occupational Health, prevents unnecessary clenching of the hand and makes working pleasant.

### SHARPEN FREE MICRO COATING

Savings of time & money



Long-lasting superior sharpness

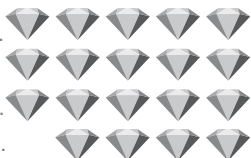
Highest rated ergonomics with sensational grip\*

Improved productivity & clinical results

You will enjoy full control and improved tactile sense, while easily shaving off calculus instead of fracturing it.

### DIAMOND-LIKE FEATURES

- Sharpen free.....
- Superior sharpness.....
- Highest rated ergonomics.....
- Minimum maintenance.....

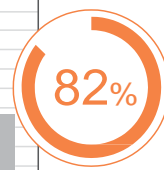
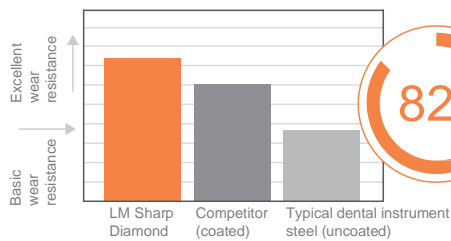


### HARDNESS

Hardness contributes to the durability of the instrument. Sharp Diamond reaches hardness of over 63 on Rockwell scale.



### WEAR RESISTANCE\*\*



decrease in wear compared to typical dental hand instrument material.



Cutting edge of the Sharp Diamond curette and the magnification of the edge after the test.

Cutting edge of a typical non-coated curette and the magnification of the edge after the test.

Studies: \*(1) Sormunen E., Nevala N: Evaluation of ergonomics and usability of dental scaling instruments; Dental scaling simulation and Field study, part III. Finnish Institute of Occupational Health, LM-Instruments Oy. (2) Nevala N, Sormunen E, Remes J, Suomalainen K: Ergonomic and productivity evaluation of scaling instruments in dentistry. The Ergonomics Open Journal 2013; 6, 6-12. \*\* Leppäniemi J. et al: The influence of PVD coatings on the wear performance of steel dental currettes. Key Engineering Materials Vol. 674 (2016), 289-295.

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# SHARP DIAMOND Instruments

## Mini Universal Gracey SD (Mini "Syntette")

LM 215-216MSD ES

Truly universal Gracey curette. Each end has two cutting edges.

## Micro Sickle SD

LM 301-302SD ES

Anterior/posterior scaler, small blades, ideal for tight interproximals.

## Mini Sickle SD

LM 311-312SD ES

Universal scaler, anterior/posterior & mesial/distal.

## Mini Gracey 1-2 SD

LM 201-202MSD ES

Anterior, Gracey curette.\*

## Mini Gracey 11-12 SD

LM 211-212MSD ES

Posterior – mesial, Gracey curette.\*

## Mini Gracey 15-16 SD

LM 245-246MSD ES

Posterior – mesial, Gracey curette (more angulated shank than 11-12).\*

## Mini Gracey 7-8 SD

LM 207-208MSD ES

Premolar and buccal/lingual, Gracey curette.\*

## Mini Gracey 13-14 SD

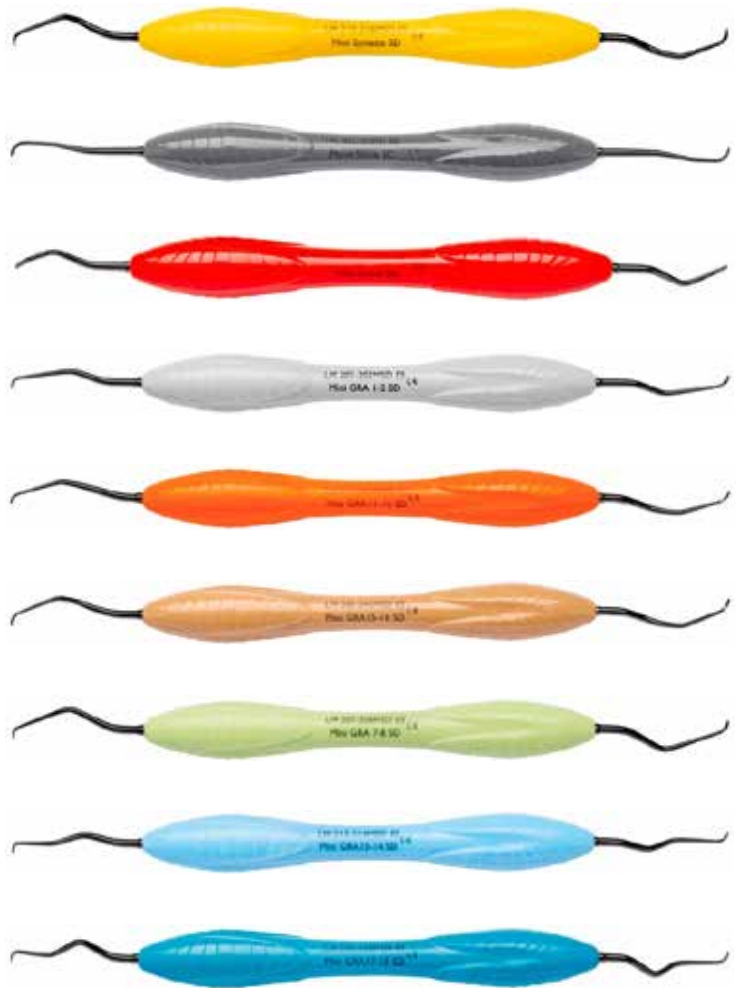
LM 213-214MSD ES

Posterior – distal, Gracey curette.\*

## Mini Gracey 17-18 SD

LM 247-248MSD ES

Posterior – distal, Gracey curette (more angulated shank than 13-14).\*



\* All Mini Gracey curettes have mini-sized blades and extended lower shanks (compared to regular Graceys).

## ◆ PROVEN BEST WEAR RESISTANCE

Whether it comes to the design or the manufacturing of products, LM-Dental, the pioneer in instrument ergonomics focuses on the specific needs of the dental experts. Since sharpening of instruments is generally perceived as difficult and time consuming, LM developed its sharpen free Sharp Diamond instruments.

A new, modern micro membrane coating gives Sharp Diamond instruments maximal wear resistance and excellent hardness.

According to a comparative study by Aalto University, the combination of the optimized base material and the micro membrane coating reduces wear on the tip by 82%.

Sharp Diamond is the hardest sharpen free instrument on the market: its hardness is over 63 (HRC) on the Rockwell scale. The ultra-modern PVD (Physical Vapor Deposition) coating process does not dull the cutting edge and the Sharp Diamond retains its full factory sharpness during the coating process.

## ◆ REMOVES CALCULUS PRECISELY & EFFECTIVELY

Instruments with Sharp Diamond coating can be used like normal instruments and are suitable for all forms of deperation.

With this sharp instrument calculus is removed in a controlled but effective way. The instrument can be handled and maintained completely normally and does not need any care other than cleaning and sterilization. The time saved by not sharpening can be used for productive work and promotion of health. The Sharp Diamond instrument retains its functionality just as long as the equivalent normal instrument.

## ◆ SHARPEN FREE SELECTION

The sharpen free feature is most significant for instruments that have a small and narrow working end, such as mini curettes and fine sickles. With the special coating, the Sharp Diamond instruments retain their size and structural characteristics throughout their lifetime.

# LM ErgoSense DARK DIAMOND



## Pleasant & precise sculpting of composites

### Diamond like feel & precision

#### LM-ErgoSense DARK DIAMOND

LM-ErgoSense restorative instruments with Dark Diamond non-stick coating are ideal for placing and contouring of composite resins. The diamond like coating reduces the stickiness and allows for pleasant and precise restorative instrumentation.

#### Features:

- § Exclusive diamond like coating
- § Hard surface
- § Ultra-smooth surface
- § Dark color coating
- § LM-ErgoSense handle

#### Benefits:

- § Non-stick placement and sculpting of the composite resin
- § Not sensitive to scratches
- § Easy to clean
- § Maximum contrast against the filling & minimal reflections
- § Extreme precision and feel





# LM ErgoSense DARK DIAMOND

Selection for maximum precision:

**Burnisher**

**LM 31-32DD ES**

For packing and modeling composites.



**Burnisher-Plugger, ball-ended 1.5-2.5mm**

**LM 471-473DD ES**

For modeling composites.



**Modeller MH**

**LM 708-709DD ES**

For packing large approximal fillings. Cylinder shaped working end will not get stuck in composite while light curing.



**Modeller MH Mini**

**LM 707-708DD ES**

For packing small and medium approximal fillings. Cylinder shaped working end will not get stuck in composite while light curing.



**Packer-Modeller IO**

**LM 482-483DD ES**

For packing and modelling composites. Conical working ends optimal for shaping occlusal surfaces.



**Plastic instrument, anterior**

**LM 43-47DD ES**

For placing, packing and contouring composites.



**Plastic instrument, posterior**

**LM 48-702DD ES**

For placing, packing and contouring composites.



**Mini Spatula**

**LM 444-445DD ES**

For placing and contouring composites.



Dark Diamond instruments can be cleaned and sterilized like any other LM instrument.

# ENDODONTICS

LM

feel the  
difference



## Ergonomics, Comfort and Precision

### Simple Endodontic Treatments

The LM Endodontic instruments are specifically designed for endodontic treatments and are manufactured using the LM-DuraGradeMax supersteel for maximum strength and wear resistance. They are color coded for easy identification and are available with both the ErgoMax and the ErgoSense handles.

Available in:

- § Root Canal Explorer
- § Root Canal Excavators
- § Endo Spreaders
- § Endo Plugger



### Handle of your Choice

Choose the handle that fits your needs. The new ErgoSense handles have a larger diameter and are more ergonomic.

**LM ErgoSense** - Ø13.7mm (item number ends with ES)



**LM ErgoMax** - Ø11.5mm (item number ends with XSI)



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# LM Endodontic Instruments

## ROOT CANAL EXPLORER



The instrument's long, sharp tips help locate the root canal orifices in the pulp chamber area.

**Important!** Only use the instruments for the purpose which they are intended.



Root Canal Explorer

**LMErgoSense** LM 27-28 ES  
**LMErgoMax** LM 27-28 XSI

## ROOT CANAL EXCAVATORS

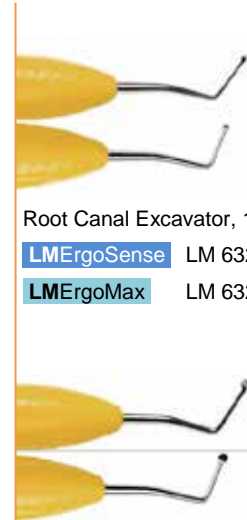
Root canal excavators have longer lower shanks and sharper blade angles than round excavators.

- < Extended and correctly angled shanks as well as highly effective blade angles allow for the preparation of all types of pulp cavities.
- < Effective for the cleaning of pulp chambers and location of root canals as well as the removal of temporary fillings.



Root Canal Excavator, 1.0mm

**LMErgoSense** LM 612-622 ES  
**LMErgoMax** LM 612-622 XSI



Root Canal Excavator, 1.5mm

**LMErgoSense** LM 632-642 ES  
**LMErgoMax** LM 632-642 XSI

Root Canal Excavator, 2.0mm

**LMErgoSense** LM 652-662 ES  
**LMErgoMax** LM 652-662 XSI

## ENDO SPREADERS

For the compacting of root canal filling materials during lateral condensation.



Endo Spreader 0.4mm

**LMErgoSense** LM 24 ES  
**LMErgoMax** LM 24 XSI



Endo Spreader 0.23mm

**LMErgoSense** LM 22 ES  
**LMErgoMax** LM 22 XSI

## ENDO PLUGGER

For the vertical plugging of root canal filling materials.



Endo Plugger 0.5 - 1.0mm

**LMErgoSense** LM 41-42 ES  
**LMErgoMax** LM 41-42 XSI