Located in Hamburg, New York, A.Titan provides high-quality dental and surgical instruments with a commitment to continually develop it’s leading edge instrumentation. Quality is our focus, and it is achieved through concept, commitment, research and development. Please call a customer representative for more information today!
Surgical Elevator & Periotome Hybrid

X-OTOMES®

Atraumatic Extractions

• Hybrid instrumentation, cross between an Elevator & Periotome.
• Custom sure grip handle for power transfer during extraction.
• Honed narrow tips to sever periodontal fibers.
• Preserve tissue structures.
• Eliminate bone fracture.
• 100% stainless-steel.
• Made in the U.S.A.

#K6600.
Includes:
• XO-10 • XO-20 • XO-30
• XO-40 • XO-50 • XO-60
• XO-70
• XO-80
• XO-90
• XO-100

X-OTOMES® KIT

Includes:
• XO-10 • XO-20 • XO-30
• XO-40 • XO-50 • XO-60
• XO-70
• Sterilization Tray T-10

Slide the blade of your choice along the tooth inserting it into the periodontal ligament. With an up and down motion move the blade around the tooth successfully severing the periodontal ligament. This creates space around the tooth preparing the site for a simple occlusal extraction, eliminating a full surgical procedure.

- Available individually and in 2 styles or kits
- 4 different blade shapes for all areas of the mouth
- Blades are all slightly rounded on the end and paper thin
- Slide easily below the gumline
- 100% Stainless Steel
Unique Beak Designs:
• Preserve Bone
• Provide an Exceptional Grip of the Tooth

X-TRAC® Forceps

ATRAUMATIC EXTRACTION

- Shown in actual size 1/1

#3508. Upper Universal Forceps

#3608. Lower Universal Forceps

#7990. Lower Universal Forceps

#1700. Upper Molar Left Forceps

#1800. Upper Molar Right Forceps

#1800. Upper Molar Right Forceps

EXCLUSIVE HANDLE DESIGNS:
• Make Forceps 25% Lighter
• Offer Greater Ergonomic Comfort
• Provide Increased Tactile Sensitivity
**X-TRAC** Root Forceps

Exclusive Handle Designs:
- Make Forceps 25% Lighter
- Offer Greater Ergonomic Comfort
- Provide Increased Tactile Sensitivity

• Shown in actual size 1/1

- **#5115.** Upper Root Forceps
- **#5197.** Upper Narrow Root Fragment
- **#4515.** Lower Root Tip Forceps
- **#4507.** Lower Narrow Root Fragment
- **#4415.** Universal Maxillary Root Forceps

**Root Tip KIT**

This kit will allow you to complete all extractions in all areas of the mouth with minimal bone loss.

Specifically used to retrieve all broken roots and root fragments, the elevator and forceps have the same unique tip design enabling the practitioner to work efficiently and confidently during all types of extractions.

The sharp thin elevator is used to separate the tissue to create space between the bone and root. Apply directly to the root or root fragment without a surgical procedure. Slide below the gum line, utilizing the space created by the elevator.

Excellent purchase completely surrounding the root or root fragment is accomplished.

![Elevator](image)

#5115. Upper Root Forceps

#4515. Lower Root Forceps

#63. Elevator

---

**Essential X-TRAC® Kit**

![Kit Images](image)

#3500

Upper Universal X-TRAC® Forceps-notched

#2190

Lower Universal X-TRAC® Forceps-notched

#5115

Upper Root Tip X-TRAC® Forceps

#4515

Lower Root Tip X-TRAC® Forceps

#K4000

Root Tip Kit

Includes #5115, #4515, and #63 (elevator).

#K4200

Essential X-Trac® Kit

Includes #3500, #2190, #5115, #4515, #XO-70, #P-200, #P-300 and sterilization Tray 20.

Periotome Fixed-Tip

#P-200. NARROW blade-Anterior

#P-300. ANGLED blade-Posterior

X-OTOMES

#XO-70. STRAIGHT Spade Tip-Universal

---
A. Titan’s
New-Standard
Extraction Forceps:

• Best-value forceps on the market
• German-made
• 100% stainless steel
• Hand-crafted and quality assured
• “Standard” priced!

• Serrated beaks to enhance forceps performance
• Tapered beaks slide below the gum line giving an excellent purchase on the crown and root while causing less trauma.
• Designed to accommodate young patients
• German-made
• 100% Stainless Steel

A. Titan’s New-Standard Extraction Forceps:
• Best-value forceps on the market
• German-made
• 100% stainless steel
• Hand-crafted and quality assured
• “Standard” priced!
Bone Preservation Elevators

- Minimize bone loss.
- Create space between the bone and root for all atraumatic extractions.
- Thin sharp tip of the elevator slides between the bone and the root creating space without removing any bone.
- Fast and easy removal of roots and fragments without a surgical procedure.

#63. Spade tip straight
- Shown in actual size 1/1

#K5000. Bone Preservation Elevator Kit
Includes: #63, #60B, #60R and #60L

#K3000. Molar Elevator Kit
Includes: only #60R and #60L
SURGICAL

ELEVATORS

- German-made
- 100% stainless steel
- Lifetime Guarantee

#301. Small, straight
#304. Medium, straight
#80. Small, straight
#Omega. Root Elevator

#61. Curved, thin
#34s Thin. Large, straight
#34s. Large, straight
#34. Large, straight

#1L. Large Left
#1R. Large Right
#27. Medium Left
#28. Medium Right

#27S. Small Left
#28S. Small Right

LARGE  MEDIUM  SMALL

#Twist 3. Left
#Twist 4. Right
#46R. Angled, serrated molar region
#77R. Angled, molar region

• Sold as a Set

#300 Cameron.
• Shown in actual size 1/1

Create space between the bone and root, while clearing saliva and blood to create a clear view of the root you’re removing.

Suction Tube Elevators
**SURGICAL**

#Weider 1. Small
#Weider 2. Large

#437. Minnesota Cheek Retractor

#1115-11. Child Mouth Prop
#1115-14. Adult Mouth Prop

#Bite Blocks
Set of 2
Available in Small, Medium and Large
(Medium shown)

**OPERATIVE**

#437. Minnesota Cheek Retractor

**HEMOSTATS**

#98. Kelly straight, 5.5”
#54. Mosquito straight, 4.75”
#55. Mosquito curved, 4.75”

#99. Kelly curved, 5.5”

- 100% stainless steel
- Lifetime Guarantee
- Quality crafted in Germany
S U R G I C A L

S U C T I O N  T U B E S

• 100% stainless steel
• Lifetime Guarantee
• Quality crafted in Germany

#MC-306. McKesson
4mm

#FR-110. Frazier #12

#FR-102. Frazier #8

#FR-106. Frazier #10

#FR-110. Frazier #12

#MC-302. McKesson
2mm

#MC-304. McKesson
3mm

#MC-306. McKesson
4mm

#YK-034. 1.5mm

#YK-036. 2.5mm

#YK-038. 3.0mm

#YK-040. 4.0mm

#YK-032. Yankauer Handle

#FR-098. Frazier #6

#FR-102. Frazier #8

#FR-106. Frazier #10

#FR-110. Frazier #12

Surgical Bone Files

• Shown in actual size 1/1

- #875-2K. Cross cut
- #875-2. Single cut
- #BF 1. Miller SC Carbide
- #BF 2. Miller SC Carbide

Surgical Scalpel Handles

• Shown in actual size 1/1

- #3. Handle
- #2006. Straight Titan handle
- #2008. Angled Titan handle
- #2015. Double Blade 1.5 mm
- #2020. Double Blade 2.0 mm

- Carbide Tip
- Carbide Tip

#488-6. Russian Forceps
#480. Semkin
#481. Semkin Micro 1x2 teeth
#050.17 Straight 7” Micro 1x2 teeth
#051.17 Straight 7” Tung-Carbide Tips Micro with teeth
#052.17 Straight 7” Tung-Carbide Tips Micro

#485. Adson Serrated
#486. Adson 1 x 2 teeth
#TF2. Adson Tung-Carbide tips
#106. Tissue Forceps w/loop for suturing, 90° angle holds tissue flaps and suture
BONE CURETTES

- #Miller 10
- #Lucas 86
- #Lucas 87
- #Miller 11
- #Miller 12
- #Lucas 85

Surgical Bone Curettes

• 100% stainless steel
• Lifetime Guarantee
• Quality crafted in Germany

BONE RONGEURS

- #300
  Blumenthal 30°, 5.5"
- #300A
  Blumenthal 90°, 5.5"
- #310
  Friedman 5.25"
- #310M
  Friedman Micro 6"
- #3571
  Kerrison

• 100% stainless steel
• Lifetime Guarantee
• Quality crafted in Germany
SURGICAL NEEDLE HOLDERS

- Tungsten-Carbide Tips
- Fully Autoclavable
- German-made
- 100% stainless steel

#M7.
Mayohegar 7"

#M6.
Mayohegar 6"

#Micro 6C.
Micro 6"

#C6C.
Crilewood 6"

#B5.
Baumgartner 5.5"

#D4.
Derf 4 3/4"
NEEDLE HOLDERS

• Tungsten-Carbide Tips
• Fully Autoclavable
• German-made
• 100% stainless steel

#06C.
Olsen-Hegar 6.25"

#05C.
Olsen-Hegar 5.5"

#MA14C. Mathieu 5.5"

#MR17C. Mathieu

#340TC. Boynton 4.75"

Shown actual size 1/1

Shown actual size 1/1

Shown actual size 1/1
• Tung-Carb Tips eliminate the rotation of needles when suturing!
• Improved durability
• Beveled edges

#187TC.
Round handle 5.5"
Castro Viejo

#188TC.
Flat handle 5.5"
Castro Viejo

#187TC-LONG.
Round handle 7"
Castro Viejo

#187TC-CURVED.
Round handle 5.5"
Castro Viejo

#187TC-LONG.
Round handle 7"
Castro Viejo

#188TC.
Flat handle 5.5"
Castro Viejo

#188TC-CURVED.
Flat handle 5.5"
Castro Viejo with curved beaks

• Tung-Carb Tips eliminate the rotation of needles when suturing!
• Improved durability
• Beveled edges

#187TC.
Round handle 5.5"
Castro Viejo

#188TC.
Flat handle 5.5"
Castro Viejo

#187TC-LONG.
Round handle 7"
Castro Viejo

#187TC-CURVED.
Round handle 5.5"
Castro Viejo

#187TC-LONG.
Round handle 7"
Castro Viejo

#188TC.
Flat handle 5.5"
Castro Viejo

#188TC-CURVED.
Flat handle 5.5"
Castro Viejo with curved beaks
Surgical Needle Holders

- Fully Autoclavable
- German-made
- 100% stainless steel
- Lifetime Guarantee

#865SC. Iris Curved, 4.5”

#840SC. Iris Curved, Extra Fine 4.5”

#840. Iris Curved, Extra Fine 4.5”

#865. Iris Curved, 4.5”

#8111C. Iris Curved, Carbide tip 4.5”

#8110C. Iris Straight, Carbide tip 4.5”

#869SC. Iris straight, Carbide tip 4.5”

#869. Iris straight, 4.5”

One blade is serrated to provide a smooth cut and stay sharper longer.
Surgical Scissors

#808. Goldman Fox Serrated, 5"

#877. Curved LaGrange, 4.5"

#877SC. Curved LaGrange, 4.5"

#707. Curved Castro Viejo Tissue Scissor, 4.75"

#2707. Curved Micro Castro Viejo Tissue Scissor, serrated, 6"

- Fully Autoclavable
- German-made
- 100% stainless steel
- Lifetime Guarantee
SCISSORS

• Fully Autoclavable
• German-made
• 100% stainless steel
• Lifetime Guarantee

#818. Metzenbaum

#809. Curved suture scissor with Loop Suture 4.5"

#899. Straight suture scissor with Loop Suture 6"

#880. Closed handle Locklin Serrated Blades 6.25"

#882. Open handle Locklin Serrated Blades, 6.25"

#881. #809. #882. #880. #899.
#861. Dean scissor with Serrated blades 7”

#378. Crown & Bridge 4”

#859. Curved Kelly Serrated Blade 6.25”

#878. Crown & Bridge 4.5”

#8546C. General Office
# A. Titan Operative Sutures

**Advanced Razor Sharp Sutures | Features Include:**
- Smooth polished easy glide surface.
- Stainless Steel needles eliminate flex and fracture.
- Superior suture material for advanced wound closure.

## Non-Absorbable

<table>
<thead>
<tr>
<th>A. Titan Suture Code</th>
<th>Needle Code</th>
<th>Needle Description</th>
<th>Material</th>
<th>Suture Length</th>
<th>Suture Size</th>
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<tbody>
<tr>
<td>ATI-1-18-6PPN</td>
<td>C-1</td>
<td>3/8 Circle 11mm</td>
<td>POLYPROPYLENE</td>
<td>18&quot;</td>
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<tr>
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<td>6-0</td>
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<td>3-0</td>
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<td>C-9</td>
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<td>CHROMIC GUT</td>
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<td>PLAIN GUT</td>
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</table>
**OPERATIVE SUTURES**

**Chromic Gut**
- Extended absorption time 90 days
- Tensile strength retained for 14-21 days
- 300 Series stainless steel needles eliminate needle flex, increasing ductile strength
- Honed/smooth polished finish on needles for smooth operation
- Resists body enzymes
- Packaged sterile 12 per package

**Plain Gut**
- Extended absorption time 70 days
- Tensile strength retained for 10 days
- 300 Series stainless steel needles eliminate needle flex, increasing ductile strength
- Honed/smooth polished finish on needles for smooth operation
- Resists body enzymes
- Packaged sterile 12 per package

**Polypropylene**
- Non-absorbable
- Synthetic blue superior strength polyolfin
- No tensile strength loss over time
- Reduces inflammation with tissue
- 300 Series stainless steel needles eliminate needle flex, increasing ductile strength
- Honed/smooth polished finish on needles for smooth operation
- Packaged sterile 12 per package

**Black Braided Silk**
- Non-absorbable
- Minimal tissue inflammation
- 300 Series stainless steel needles eliminate needle flex, increasing ductile strength
- Honed/smooth polished finish on needles for smooth operation
- Packaged sterile 12 per package

---

**NON-ABSORBABLE**

<table>
<thead>
<tr>
<th>A. TITAN SUTURE CODE</th>
<th>J&amp;J SUTURE CODE</th>
<th>HU FRIEDY SUTURE CODE</th>
<th>NEEDLE CODE</th>
<th>SUTURE SIZE</th>
<th>MATERIAL</th>
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<td>PLAIN GUT</td>
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</tr>
</tbody>
</table>
Sinus 7. Bone Material Instrument
A spoon & plunger to carry and pack bone.
Not included in kit.

- Color-coded handles
- Stainless Steel Tips
- Light-weight

Sinus 0
Used first to separate the sinus lining.

Sinus 1
25°/25° sinus elevator.

Sinus 2
60°/60° sinus elevator.

Sinus 3
90°/90° sinus elevator.

Sinus 4
120°/120° sinus elevator.

Sinus 5
90°/90°/60° sinus elevator.

Sinus 7S
Smaller spoon & plunger to carry and pack bone.

#K7000 Sinus Kit
Includes Sinus 0 through Sinus 5, Sinus 7S, and sterilization tray 10.
**IMPLANT**

- 100% stainless steel
- Lifetime Guarantee
- Quality crafted in Germany

**OSTEOTOMES**

- **310.00 Osteotome Kit Concave**
  Includes 6 straight and 6 angled osteotomes with concave tips, 1 mallet and a custom sterilization tray T-20.
  (Includes, straight concave and angled concave)

- **320.00 Osteotome Kit Convex**
  Includes 6 straight osteotomes and 6 angled osteotomes with convex tips, 1 mallet and a custom sterilization tray T-20.
  (Includes, straight convex and angled convex)

**Mallet 17.** Included in Kits or individually

**Straight Concave:**
- 310.01 2.0mm < 2.5mm
- 310.02 2.5mm < 3.0mm
- 310.03 3.0mm < 3.5mm
- 310.04 3.5mm < 4.0mm
- 310.05 4.0mm < 4.5mm
- 310.06 5.0mm < 5.5mm

**Angled Concave:**
- 311.01 2.0mm < 2.5mm
- 311.02 2.5mm < 3.0mm
- 311.03 3.0mm < 3.5mm
- 311.04 3.5mm < 4.0mm
- 311.05 4.0mm < 4.5mm
- 311.06 5.0mm < 5.5mm

**Straight Convex:**
- 320.01 2.0mm < 2.5mm
- 320.02 2.5mm < 3.0mm
- 320.03 3.0mm < 3.5mm
- 320.04 3.5mm < 4.0mm
- 320.05 4.0mm < 4.5mm
- 320.06 5.0mm < 5.5mm

**Angled Convex:**
- 321.01 2.0mm < 2.5mm
- 321.02 2.5mm < 3.0mm
- 321.03 3.0mm < 3.5mm
- 321.04 3.5mm < 4.0mm
- 321.05 4.0mm < 4.5mm
- 321.06 5.0mm < 5.5mm
The Task
Proper management of hard and soft tissue has proven to be a continued challenge in an extraction procedure prior to implantation. In most cases, an immediate or even delayed implantation without bone restoration is not possible. To reduce the risk of damage to the tissue, an absolute atraumatic tooth extraction technique is required.

Method and Materials
A new method utilizing a patented technique has been developed for extracting single and double-rooted teeth. The Easy X-TRAC® System consists of 3 different sized drills and 3 different sets of extracting screws along with a specially designed extractor and protection plates to lift the tooth out of the socket without any rotary or tilting movement. Treating a majority of our patients with this system over a 3 year period, we were able to preserve the hard and soft tissue, leading to successful immediate implant placement.

The Procedure

Results and Conclusion
The aim was to develop a new extraction technique for single and double rooted teeth as a pre-implantological procedure. Particular attention was paid to the protection of all the adjacent hard and soft tissue (eg. the buccal lamella in the maxilla).

The extraction procedure only requires a vertical motion to pull the tooth and disperse the pressure of the extraction process on the adjacent teeth, thereby avoiding widening of the alveolus and minimizing the risk of damage to adjacent bone structures and bone loss. This new procedure eliminates the use of root elevators, forceps and even periotomes. Any rotary movement to pull the teeth is eliminated.

A secondary advantage for both the surgeon and the patient is a time difference of 5-7 months by avoiding bone restoration and being able to perform immediate implantation. Furthermore, improved soft tissue management can be expected. Limitations of the system are molars without a prior section, severely curved roots and teeth with extensive ankylosis.

Dr. Hans-Peter Hornig, Dr. Thomas Offermann
#K8100. Easy X-TRAC® Kit
With Sterilization Tray
Contains:
(1) Easy X-Tractor,
(1) set of 3 drills,
(3) 28mm extraction screws (1.75mm dia.)
(2) 30mm extraction screws (1.75mm dia.)
(3) 33mm extraction screws (1.75mm dia.)
(2) 33mm extraction screws (2mm dia.)
(1) Ratchet, (1) Protector plate- left,
(1) Protector plate- right,
(1) Burr block, and an Instructional CD-ROM
and sterilization tray 10.

#K8000. Easy X-TRAC® Complete Kit
Contains:
(1) Easy X-Tractor,
(1) set of 3 drills,
(3) 28mm extraction screws,
(3) 33mm extraction screws,
(1) Ratchet, (1) Protector plate- left,
(1) Protector plate- right,
(1) Burr block, and an Instructional CD-ROM.
IMPLANTATION TREPHINES

Designed to assist in the placement of CAMLOG Screwline Implants

- Implantation Trephine Drills automatically create a hole in the bone with the precise bottom (apical) diameter for implant placement.
- The special ‘Form Drills’ build the side walls up to diameter of the implant.
- All drills have depth markings of 9.0mm, 11.0mm, and 13.0mm and are 14mm long.
- Fast removal of “Bone Core”
- Generates Bone for Graft
- Effective in D1 and D2 Bone
- Speeds Implantation Site Preparation
- Reduces number of Drills used
- Saves Time and Money

**IMPLANTATION Trephine Drill** | **Screwline Implant**
---|---
2.4 mm | 3.3 mm
3.3 mm | 3.8 mm
3.6 mm | 4.3 mm
4.3 mm | 5.0 mm
5.2 mm | 6.0 mm

#668.02. Trephine Rack

**#K-363 TREPHINE DRILL SET**

Includes:
The Implantation Set: 363.02, 363.03, 363.04, 363.05, 363.06, PLUS Trephine Rack
Explantation trephine drills are designed to remove failed implants with minimal surrounding bone loss. All drills have depth markings of 9.0mm, 11.0mm, and 13.0mm and are 14mm long.

**EXPLANTATION TREPHINES**

<table>
<thead>
<tr>
<th>EXPLANTATION Trephine Drill 369.03</th>
<th>Screwline Implant</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.5mm</td>
<td>3.3 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EXPLANTATION Trephine Drill 369.04</th>
<th>Screwline Implant</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0 mm</td>
<td>3.8 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EXPLANTATION Trephine Drill 369.05</th>
<th>Screwline Implant</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.5 mm</td>
<td>4.3 mm</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>EXPLANTATION Trephine Drill 369.06</th>
<th>Screwline Implant</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.2 mm</td>
<td>5.0 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EXPLANTATION Trephine Drill 369.07</th>
<th>Screwline Implant</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.2 mm</td>
<td>6.0 mm</td>
</tr>
</tbody>
</table>

**#K-369. TREPHINE DRILL SET**

Includes:
The Explantation Set:
369.03, 369.04, 369.05, 369.06, 369.07,
PLUS Trephine Rack 668.02.

**IMPLANT**

• 100% stainless steel to stay sharper longer.
• Available in 3, 4, 5, and 6mm diameters.

**TISSUE PUNCHES**

**#K3800. Tissue Punch Kit**
Contains 3, 4, 5, and 6mm diameters,
(388.03, 388.04, 388.05, 388.06) and holder (668.01).

**#K3800C. Cylindrical Tissue Punch Kit**
(Not shown) Contains 3, 4, 5, and 6mm diameters,
(389.03, 389.04, 389.05, 389.06) and holder (668.01).
The Basic Implant Kit contains 21 Essential Instruments for general implant dentistry.

- Custom Sterilization Tray
- Tissue Forceps
- Micro Needle Holders
- Micro Periosteal Elevators
- Bone Curettes
- Periotomes
- Scalpel
- Scissors
- Bone Rongeurs
- Hemostat
- Bite Blocks
- Cheek Retractor

#051.17. Cooley Tissue Forceps
#052.17. Tissue Forceps
#2006. Scalpel Straight Titan handle
#930. Explorer / Probe
#809. Suture Scissor
#818. Metzenbaum Scissor
#745.18. Micro Needle Holder
#54. Hemostat
#818. Scissor
#809. Suture Scissor
**#K-9900. Basic Implant Kit**

Contains one of each:

- #052.17 Tissue Forceps
- #051.17 Cooley Tissue Forceps
- #745.18 Micro Needle Holder
- #427.25 Micro Pritchard
- #422 Periosteal Elevator
- #422 Ohl Periosteal Elevator
- #419.03 Micro Periosteal Elevator
- #621.25 Bone Curette
- #621.30 Bone Curette
- P-300 ANGLED blade - Posterior
- P-500 ANGLED blade - Interproximal
- 2006 Scalpel Handle
- #930 Explorer / Probe
- #MR 17-C Needle Holder
- #S6 Clip
- #818 Metzenbaum Scissor
- #809 Suture Scissor
- #54 Hemostat
- #310 M Friedman Micro 6"
- #039.02 Lip & Cheek Retractor
- T 20-K Surgical Cassette

---

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- #MR 17-C Needle Holder
- #S6 Clip
- #818 Metzenbaum Scissor
- #809 Suture Scissor
- #54 Hemostat
- #310 M Friedman Micro 6"
- #039.02 Lip & Cheek Retractor
- T 20-K Surgical Cassette
IMPLANT SCALERS AND CURETTES

TI T A N I U M

Col 13-14 Ti
204S Ti
Gracey 11-12 Ti
Gracey 13-14 Ti
H6-H7 Ti
Gracey 1-2 Ti
(Not included in kit)
• Color-coded handles
• Made from 6AL-4V Titanium Alloy
• Fully autoclavable
• Guaranteed Sharpness
• Sterilizable Titanium Tips
• Made in the U.S.A.

#K1800.
Titanium Implant Scaler Kit
Includes:
#Col 13-14 Ti.
#204S Ti.
#Gracey 11-12 Ti.
#Gracey 13-14 Ti.
#H6-H7 Ti.
Sterilization Tray T-5
Diamond Knurl Grip
Enhances control and provides optimum tactile sensation.

Corrosion-resistant
100% stainless steel.

Made in the U.S.A.

3/8” diameter
Hollow Handle

Cutting Edge
Has maximum hardness to stay sharper longer.

• Holds Cutting Edge Longer & Stays Sharper
• Hollow, Round, Lightweight Handles
• 100% Stainless Steel
• Made in U.S.A.

#Gracey
1-2.

#Gracey
3-4.

#Gracey
5-6.

#Gracey
7-8.

#Gracey
9-10.

#Gracey
11-12.

#Gracey
13-14.

#Gracey
15-16.

#Gracey
17-18.
#Expl 5. Double End
#Expl 11-12. Double End
#DG 16. Endodontic Double End
#Expl 23-6. Double End
#3 6 9 12-23. Probe Double End
#Will-23. Probe Double End

#Expl 23. Single End
#UNC 15. Single End Perm
#3 6 9 12. Single End Perm
#Will. Single End Perm
#DSCS.  Head Double Sided CS
#4FCS.  12 per box
#5FCS.  12 per box

#MHCS.  Handle
#99A.  Handle Cone Socket

#2320-2.  Serrated with lock
#2325-2.  Grooved with lock
#College.
#Meriam.

#Perry.  Short
OPERATIVE COMPOSITE INSTRUMENTS

- Titanium Nitride Coated
- Non-stick
- HyLite® Handle
- Double Ended

OPERATIVE PLASTIC FILLING INSTRUMENTS

- #Woodson 2
- #PFI 3
- #PFI 11
- #PFI 13
- #Ladmore 3
**STERILIZATION TRAYS**

- **#T-20.** Holds 20 instruments
- **#T-10.** Holds 10 instruments
- **#T-5.** Holds 5 instruments

Custom inserts are made for all sterilization trays to hold instruments securely and maximize sterilization.
#794. Micro Forceps

#1008. Crown Distender
Designed to spread the crown and break the cement seal after sectioning.
- Unique tip design enables you to use throughout the entire mouth.
- Round handle for better maneuverability and leverage.

Contains:
- 1 Pliers
- 20 Rubber Insert Tips
- 10gm emery powder
- Spring and Screw Set

#1010. Crown Spreader Forceps
Spreads the crown and breaks the cement seal after the crown is sectioned. Built in spring provides even transmission of force to eliminate any shattering and pressure in the patient’s mouth.

Eliminates Pressure!

The revolutionary handle design allows uniform power transmission during crown removal.

#K1000. Crown Removing Plier Kit
Places and removes temporary crowns on both upper and lower part of the mouth. Rubber inserts are fully autoclavable and are reusable. Emery powder maximizes the grip on the crown. A spring and screw set in the handle increases control.

Contains:
- 1 Pliers
- 20 Rubber Insert Tips
- 10gm emery powder
- Spring and Screw Set

• 100% stainless steel
• Lifetime Guarantee
• Quality crafted in Germany

#794.
Micro Forceps

Replacement Rubber Tips
20 pack

Replacement Powder
10gm emery powder

To Order

For questions within the U.S., please call our Instrument Specialists toll-free at 1-877-284-8261. For international orders, please call +1-716-648-9272, or contact us by fax at +1-716-648-9296.
You may also contact us by e-mail at: info@atitan.com., or you can view our full line of dental instruments and shop on-line at www.atitan.com.

Warranty

All A.Titan products are warranted to be free from defects in workmanship and materials. Any product which proves to be defective will be repaired or replaced (at our option) free of charge.* Warranty does not apply to normal wear and tear and for use of instruments beyond limitations.
All Tungsten-carbide instruments (needle holders) are guaranteed for the first three years of normal use.
Any modification or alteration made to our instruments other than by A.Titan will render the warranty null and void.
All warranty claims must be made directly with A.Titan. Any and all instruments returned to the distributor and NOT to A.Titan will render the warranty null and void. *Warranty does not cover shipping and handling.

Repairs

Instruments sent in for repair can usually be restored to a serviceable condition. This service is provided for all A.Titan products, when ever possible.

Please send repairs to:
A.Titan Instruments
Attn: Repair Dept.
97 Main Street
Hamburg, NY 14075
INDEX

BONE CURETTES
#Miller 10 20
#Miller 11 20
#Miller 12 20
#Lucas 85 20
#Lucas 86 20
#Lucas 87 20

BONE FILES
#875-2K Cross Cut 18
#875-2 Single Cut 18
#BF 1 Miller SC Carbide 18
#BF 2 Miller SC Carbide 18

BONE PRESERVATION ELEVATORS
#60B Spade tip, angled 12
#60R Spade tip, Right molar 12
#60L Spade tip, Left molar 12
#60U Spade tip, back action 12
#63 Spade tip, Straight 12
#K5000 Bone Preservation Elevator Kit 12

BONE RONGEURS
#300 Blumenthal 30° - 5.5" 20
#300A Blumenthal 90° - 5.5" 20
#310 Friedman - 5.25" 20
#310M Friedman Micro - 6° 20
#3571 Kerrison 20

BURNISHERS
#21B Acorn Double End 44
#27-29 Egg Double End 44
#25-26 Double End 44
#42 Ball Double End 44
#43 Ball Double End 44

CARVERS
#89/92 Double End 44
#90/93 Double End 44
#Hollen 3s Double End 44
#Hollen 3 Double End 44
#Ward 2 Double End 44
#Tanner 6 Double End 44

COMPOSITE INSTRUMENTS
#CI200-10 Double End 45
#CI200-20 Double End 45
#CI200-30 Double End 45
#CI200-40 Double End 45
#CI200-50 Double End 45

CORD PACKERS
#CP 113 45

COTTON PLIERS
#2320-2 Serrated with Lock 43
#2325-2 Grooved with Lock 43
#Perry Short 43
#College 43
#Meriam 43

CROWN INSTRUMENTS
#K1000, Crown Removing Plier Kit 48
Replacement Rubber Tips 20 pack 48
Replacement Powder 10gm emery powder 48
#1010 Crown Spreader Forceps 48
#1008 Crown Distender 48

Easy X-TRAC® System
#XT100, Easy X-TRACTOR 33
#XT140L, Protector Plate - Left 33
#XT140R, Protector Plate - Right 33
#XT120, X-TRAC Ratchet 33
#XT150, X-TRAC Burr Block 33
#XT160, X-TRAC Premium Burr Block 33
#XT110, X-TRAC Drills 33
#XT128, X-TRAC Screws: Set of 3: 28mm, 1.7mm diameter 33
#XT130, X-TRAC Screws: Set of 3: 30mm, 1.7mm diameter 33
#XT133, X-TRAC Screws: Set of 3: 33mm, 1.75mm diameter 33
#XT135, X-TRAC Screws: Set of 3: 33mm length, 2mm diameter 33
#K8000, Easy X-TRAC® Complete Kit 33
#K8100, Easy X-TRAC® Kit With Sterilization Tray 33

EXCAVATORS
#EXC 17 Double End 47
#EXC 18 Double End 47
#EXC 19 Double End 47
#EXC 20 Double End 47
#EXC 21 Double End 47
#EXC 22 Double End 47
#EXC 31 Double End 47
#EXC 31L Double End 47
#EXC 32 Double End 47
#EXC 33 Double End 47

EXPLORERS I PROBES
#Expl 5 Double End 42
#Expl 11-12 Double End 42
#DG 16 Endodontic Double End 42
#Expl 23-6 Double End 42
#3 6 9 12-23 Probe Double End 42
#3 6 9 12 Probe Single End Permanent 42
#UNC 15 Probe Single End Permanent 42
#Will-23 Probe Double End 42
#Will Single End Permanent 42
#Expl 23 Single End 42

ELEVATORS
#301 Small, straight 13
#304 Medium, straight 13
#80 Small, straight 13
#61 Curved, thin 13
#34a Thin Large, straight 13
#34a Large, straight 13
#34 Large, straight 13
#1L Large Left 13
#1R Large Right 13
#27 Medium Left 13
#28 Medium Right 13
#27S Small Left 13
#28S Small Right 13
#Twist 3 Left 13
#Twist 4 Right 13
#46R Angled, serrated molar region 13
#77R Angled, molar region 13
#300 Cameron 13
#46R Right Suction Tube 14
#69L Left Suction Tube 14
#AS-3N 14
#AS-2N 14
#AS-1N 14
#AS-1 14
#AS-2 14
#AS-3 14

ELEVATORS (continued)

HEMOSTATS

#98 Kelly Straight, 5.5” 15
#54 Mosquito Straight, 4.75” 15
#55 Mosquito Curved, 4.75” 15
#99 Kelly Curved, 5.5” 15

IMPLANTS

K9900 BASIC IMPLANT KIT 36-37

Contains one of each:

#052.17 Tissue Forceps
#051.17 Cooley Tissue Forceps, #745.18 Micro Needle Holder
#427.25 Micro Pritchard Periosteal Elevator,
#422 Ohi Periosteal Elevator, Buser,
#419.03 Micro Periosteal Elevator, #621.25 Bone Curette,
#621.30 Bone Curette, P-300 ANGLED blade - Posterior,
P-500 ANGLED blade - Interproximal, 2006 Scalpel Handle
#930 Explorer / Probe, #MR 17-C Needle Holder, #S6
#818 Metzenbaum Scissor, #809 Suture Scissor
#54 Hemostat, Medium Bite blocks (set of 2),
#310 M Friedman Micro 6”
#039.02 Lip & Cheek Retractor, T 20-K Surgical Cassette

KITS

#310.00 Osteotome Kit Concave
Includes 6 straight and 6 angled osteotomes with concave tips, 1 mallet and a custom sterilization tray T-20. 31

#320.00 Osteotome Kit Convex
Includes 6 straight and 6 angled osteotomes with convex tips, 1 mallet and a custom sterilization tray T-20. 31

#K5000. Bone Preservation Elevator Kit 12
#K3000. Molar Elevator Kit 12
#K8000. Easy X-TRAC® Complete Kit 33
#K8100. Easy X-TRAC® Kit With Sterilization Tray 33
#K1800. (Titanium) Implant Scaler Kit:
Includes Col 13-14, 2045 Tt, Gracey 11-12 Tt,
Gracey 13-14 Tt, H6-H7 Tt and Sterilization Tray T-5 39

#K6100. Interchangeable Periotome Kit:
Includes #0PC, #1PC, #2PC and #3PC 4

#K6000. Fixed Tip Periotome Kit:
Includes #P100, #P200 and P300 4

#K4000. Root Tip Kit:
Includes #5115, #63 E41 Elevator

#K7000. Sinus Kit:
Includes Sinus 0-5, Sinus 7S and Tray 10 30

#K3800. Tissue Punch Kit:
3, 4, 5, 6mm diameters and holder 35
#K3800C. Cylindrical Tissue Punch Kit:
3, 4, 5, 6mm diameters and holder 35
#K363. Implantation Trephine Drill Set with stand 35
#K369. Exploration Trephine Drill Set with stand 35
#K4200. Essential X-Trac® Kit:
Includes #3500, #2190, #5115, #X0-70, #P-200, #P-300,
Sterilization Tray T-20 9

#K6600. Xotomes Kit
#X010 - X070, and sterilization tray T-10 3

MICRO FORCEPS

#794 Micro Forceps 90° angle, serrated tips 48

MIRRORS I HANDLES

#99A Handle Cone Socket 43
#MC Handle 43
#0DSCS Head Double Sided CS 43
#FC6S (12 per box) 43
#FC5CS (12 per box) 43

MOUTH PROPS

#Weider 1 Small 15
#Weider 2 Large 15
#437 Minnesota - Cheek retractor 15
#1115-14 Adult Mouth Prop 15
#1115-11 Child Mouth Prop 15
#Bite Blocks Large, Medium, or Small (set of 2) 15

NEEDLE HOLDERS

#S6 Swedish 6” 23
#C6C Crilewood 6” 21
#D4 Derf 4.75” 21
#Micro 6C Micro 6” 21
#B5 Baumgartner 5.5” 21
#M7 Mayohegar 7” 21
#M6 Mayohegar 6” 21
#05C Olsen-Hegar 5.5” Needle Holder/Scissor Combination 22
#06C Olsen-Hegar 6.25” Needle Holder/Scissor Combination 22

#187TC Round handle 5.5” Castro Viejo 23
#187TC-Curved Round handle 5.5” Castro Viejo 23
#187TC-Long Round handle 7” Castro Viejo 23
#188TC Flat handle 5.5” Castro Viejo 23
#188TC-Curved Flat handle 5.5” Castro Viejo with curved beaks 23
#MA14C Mathieu 5.5” 22
#MR17C Mathieu 22
#340TC Boynton 4.75” 22

OSTEOTOMES

MALLET 17 Stainless steel osteotome mallet 31
Straight Concave: Angled Concave:
310.01, 310.02, 310.03 311.01, 311.02, 311.03 31
310.04, 310.05, 310.06 311.04, 311.05, 311.06 31

Straight Convex: Angled Convex:
320.01, 320.02, 320.03 321.01, 321.02, 321.03 31
320.04, 320.05, 320.06 321.04, 321.05, 321.06 31

#310.00, Osteotome Concave Kit 31
#320.00, Osteotome Convex Kit 31

PEDODONTIC FORCEPS

#150SK Upper Universal Pedo Forceps27 11
#151SK Lower Universal Pedo Forceps 11
#150AS Upper Universal Pedo Forceps 11
#151AS Lower Universal Pedo Forceps 11
#150S Upper Universal Pedo 4-ceps 11
#151S Lower Universal Pedo 4-ceps 11

PERIODONTAL INSTRUMENTS

Gracey 1-2 40
Gracey 3-4 40
Gracey 5-6 40
Gracey 7-8 40
Gracey 9-10 40
Gracey 11-12 40
Gracey 13-14 40
Gracey 15-16 40
Gracey 17-18 40
McCall 13-14 41
### PERIODONTAL INSTRUMENTS (continued)

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>McCall 13s-14s</td>
<td>41</td>
</tr>
<tr>
<td>McCall 17-18</td>
<td>41</td>
</tr>
<tr>
<td>Younger-Good 7-8</td>
<td>41</td>
</tr>
<tr>
<td>H5</td>
<td>41</td>
</tr>
<tr>
<td>H5-47</td>
<td>41</td>
</tr>
<tr>
<td>H6-H7</td>
<td>41</td>
</tr>
<tr>
<td>137</td>
<td>41</td>
</tr>
<tr>
<td>N135 Barnhart</td>
<td>41</td>
</tr>
<tr>
<td>H5-J1s</td>
<td>41</td>
</tr>
<tr>
<td>Taylor 2-3</td>
<td>41</td>
</tr>
<tr>
<td>204</td>
<td>41</td>
</tr>
<tr>
<td>204S</td>
<td>41</td>
</tr>
<tr>
<td>204SD</td>
<td>41</td>
</tr>
<tr>
<td>Jacquette 1-2</td>
<td>41</td>
</tr>
<tr>
<td>Jacquette 2-3</td>
<td>41</td>
</tr>
<tr>
<td>Jacquette 2s-3s</td>
<td>41</td>
</tr>
<tr>
<td>Prich 1-2</td>
<td>41</td>
</tr>
<tr>
<td>Langer 1-2</td>
<td>41</td>
</tr>
<tr>
<td>Langer 3-4</td>
<td>41</td>
</tr>
<tr>
<td>Langer 5-6</td>
<td>41</td>
</tr>
<tr>
<td>Barnhart 1-2</td>
<td>41</td>
</tr>
<tr>
<td>Barnhart 5-6</td>
<td>41</td>
</tr>
<tr>
<td>Barnhart 5-6 Fine</td>
<td>41</td>
</tr>
<tr>
<td>Columbia 2R-2L</td>
<td>41</td>
</tr>
<tr>
<td>Columbia 4R-4L</td>
<td>41</td>
</tr>
<tr>
<td>Columbia 13-14</td>
<td>41</td>
</tr>
</tbody>
</table>

### PERIOSTEAL ELEVATORS

<table>
<thead>
<tr>
<th>Elevator</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>#P3 Pritchard, A. Titan Handle</td>
<td>17</td>
</tr>
<tr>
<td>#G24 cutting edge, A. Titan Handle</td>
<td>17</td>
</tr>
<tr>
<td>#502-45 - elevator</td>
<td>17</td>
</tr>
<tr>
<td>#Molt 9 - double ended</td>
<td>17</td>
</tr>
<tr>
<td>#23D Seldin, thin flat handle</td>
<td>17</td>
</tr>
<tr>
<td>#BUSER</td>
<td>17</td>
</tr>
<tr>
<td>#422</td>
<td>17</td>
</tr>
<tr>
<td>#427</td>
<td>17</td>
</tr>
<tr>
<td>#862.12 (2.5mm and 4.0mm ends)</td>
<td>17</td>
</tr>
<tr>
<td>#864.13 (2.0mm ends)</td>
<td>17</td>
</tr>
</tbody>
</table>

### PLASTIC FILLING INSTRUMENTS

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>#Woodson 2 Double End</td>
<td>45</td>
</tr>
<tr>
<td>#PFI 3 Double End</td>
<td>45</td>
</tr>
<tr>
<td>#PFI 11 Double End</td>
<td>45</td>
</tr>
<tr>
<td>#PFI 13 Double End</td>
<td>45</td>
</tr>
<tr>
<td>#Ladmore 3 Double End</td>
<td>45</td>
</tr>
</tbody>
</table>

### PLUGGERS

<table>
<thead>
<tr>
<th>Plugger</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>#0-1 Double End</td>
<td>46</td>
</tr>
<tr>
<td>#1-4 Double End</td>
<td>46</td>
</tr>
<tr>
<td>#4-6 Double End</td>
<td>46</td>
</tr>
<tr>
<td>#6-8 Double End</td>
<td>46</td>
</tr>
<tr>
<td>#Black 1-2 Double End</td>
<td>46</td>
</tr>
</tbody>
</table>

### PROBES (see also EXPLORERS)

<table>
<thead>
<tr>
<th>Probe</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>#UNC 15 Single End Perm</td>
<td>42</td>
</tr>
<tr>
<td>#3 6 9 12 Single End Perm</td>
<td>42</td>
</tr>
<tr>
<td>#Will Single End Perm</td>
<td>42</td>
</tr>
</tbody>
</table>

### SCALERS & CURETTES

<table>
<thead>
<tr>
<th>Scalpel</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Col 13-14 Ti</td>
<td>38</td>
</tr>
<tr>
<td>204S Ti</td>
<td>38</td>
</tr>
<tr>
<td>Gracey 1-2 Ti</td>
<td>38</td>
</tr>
<tr>
<td>Gracey 11-12 Ti</td>
<td>38</td>
</tr>
<tr>
<td>Gracey 13-14 Ti</td>
<td>38</td>
</tr>
<tr>
<td>H6-H7 Ti</td>
<td>38</td>
</tr>
</tbody>
</table>

### PERIODONTAL SCALPELS

<table>
<thead>
<tr>
<th>Scalpel</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>#865SC Curved Iris with Super Cut - 4.5”</td>
<td>24</td>
</tr>
<tr>
<td>#840SC Curved Iris Extra Fine with Super Cut - 4.5”</td>
<td>24</td>
</tr>
<tr>
<td>#877SC Curved La Grange with Super Cut - 4.5”</td>
<td>25</td>
</tr>
<tr>
<td>#669SC Straight Iris with Super Cut - 4.5”</td>
<td>24</td>
</tr>
<tr>
<td>#8110C Straight Iris with Carbide Tip for Smooth Cut - 4.5”</td>
<td>24</td>
</tr>
<tr>
<td>#8111C Curved Iris with Carbide Tip For Smooth Cut - 4.5”</td>
<td>24</td>
</tr>
<tr>
<td>#869 Straight Iris - 4.5”</td>
<td>24</td>
</tr>
<tr>
<td>#808 Goldman Fox with Serrated Blades - 5”</td>
<td>26</td>
</tr>
<tr>
<td>#885 Curved Iris - 4.5”</td>
<td>24</td>
</tr>
<tr>
<td>#840 Curved Iris Extra Fine - 4.5”</td>
<td>24</td>
</tr>
<tr>
<td>#877 Curved La Grange - 4.5”</td>
<td>26</td>
</tr>
<tr>
<td>#378 Crown &amp; Bridge - 4”</td>
<td>27</td>
</tr>
<tr>
<td>#878 Crown &amp; Bridge - 4.5”</td>
<td>27</td>
</tr>
<tr>
<td>#859 Curved Kelly with Serrated Blades - 6.25”</td>
<td>26</td>
</tr>
<tr>
<td>#707 Curved Castro Vejo Tissue Scissor</td>
<td>26</td>
</tr>
<tr>
<td>#2707 Curved Micro Castro Vejo Tissue Scissor - 6”</td>
<td>26</td>
</tr>
<tr>
<td>#882 Open Handle Locklin with Serrated Blades - 6.25”</td>
<td>25</td>
</tr>
<tr>
<td>#880 Closed Handle Locklin with Serrated Blades - 6.25”</td>
<td>25</td>
</tr>
<tr>
<td>#9881 Dean Scissor with Serrated Blades - 7”</td>
<td>27</td>
</tr>
<tr>
<td>#889 Straight Suture Scissor with Loop - 6”</td>
<td>26</td>
</tr>
<tr>
<td>#809 Curved Suture Scissor with Loop - 4.5”</td>
<td>26</td>
</tr>
<tr>
<td>#818 Metzenbaum</td>
<td>26</td>
</tr>
<tr>
<td>#8546C</td>
<td>27</td>
</tr>
</tbody>
</table>

### SINUS INSTRUMENTS

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>#Sinus 0 Used first to separate the sinus lining.</td>
<td>30</td>
</tr>
<tr>
<td>#Sinus 1 25°/25° sinus elevator.</td>
<td>30</td>
</tr>
<tr>
<td>#Sinus 2 60°/60° sinus elevator.</td>
<td>30</td>
</tr>
<tr>
<td>#Sinus 3 90°/90° sinus elevator.</td>
<td>30</td>
</tr>
<tr>
<td>#Sinus 4 120°/120° sinus elevator.</td>
<td>30</td>
</tr>
<tr>
<td>#Sinus 5 90°/90°/60° sinus elevator.</td>
<td>30</td>
</tr>
<tr>
<td>#Sinus 7 A spoon &amp; plugger to carry and pack bone.</td>
<td>30</td>
</tr>
<tr>
<td>#Sinus 7S Smaller spoon &amp; plugger to carry and pack bone.</td>
<td>30</td>
</tr>
<tr>
<td>#Tray 10 Holds 10 Instruments.</td>
<td>46</td>
</tr>
</tbody>
</table>

### KIT

<table>
<thead>
<tr>
<th>Kit</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>#K7000 Sinus Kit: Includes Sinus 0-5, Sinus 7S and Tray T-10</td>
<td>30</td>
</tr>
</tbody>
</table>
STANDARD EXTRACTION FORCEPS
#1 Standard 4-ceps 10
#150 Upper Universal 4-ceps 10
#150S Upper Universal Peda 4-ceps 11
#151 Lower Universal 4-ceps 10
#151S Lower Universal Peda 4-ceps 11
#1102 Upper Anterior Forceps 10
#1174 Lower Anterior Forceps 10
#1174XN Lower Anterior Forceps, narrow 10
#1107 Upper Universal Forceps 10
#1107N Upper Universal Forceps, narrow 10
#1274 Lower Universal Forceps 10
#1274N Lower Universal Forceps, narrow 10

SUCTION TUBES
#YK-034 - 1.5mm 16
#YK-036 - 2.5mm 16
#YK-038 - 3.0mm 16
#YK-040 16
#YK-032 - Yankauer Handle 16
#FR-098 - Frazier #6 16
#FR-102 - Frazier #8 16
#FR-106 - Frazier #10 16
#FR-110 - Frazier #12 16
#MC-302 - McKesson 2mm 16
#MC-304 - McKesson 3mm 16
#MC-306 - McKesson 4mm 16

STERILIZATION TRAYS
#T-5 Holds 5 instruments, #T-10 Holds 10, #T-20 Holds 20 46

SUTURES
Absorbable : One Dozen (12) Per Box
#ATI-3-18-4CG C-3, 3/8 Circle, 13mm, CHROMIC GUT, 18", 4-0 28
#ATI-3-18-SPG C-3, 3/8 Circle, 13mm, PLAIN GUT, 18", 5-0 28
#ATI-3-18-SGC C-3, 3/8 Circle, 13mm, CHROMIC GUT, 18", 5-0 28
#ATI-6-27-3CG C-6, 3/8 Circle, 19mm, CHROMIC GUT, 27", 3-0 28
#ATI-6-27-SPG C-6, 3/8 Circle, 19mm, PLAIN GUT, 27", 3-0 28
#ATI-6-27-4CG C-6, 3/8 Circle, 19mm, CHROMIC GUT, 27", 4-0 28
#ATI-6-18-4PG C-6, 3/8 Circle, 19mm, PLAIN GUT, 18", 4-0 28
#ATI-6-18-SPG C-6, 3/8 Circle, 19mm, PLAIN GUT, 18", 4-0 28
#ATI-7-27-SPG C-7, 3/8 Circle, 24mm, PLAIN GUT, 27", 3-0 28
#ATI-9-18-3PG C-9, 1/2 Circle, 23mm, PLAIN GUT, 18", 3-0 28
#ATI-7-27-2PG C-7, 3/8 Circle, 24mm, PLAIN GUT, 27", 2-0 28

Non-Absorbable : One Dozen (12) Per Box
#ATI-1-18-6PPN C-1, 3/8 Circle, 11mm, POLYPROPYLENE, 18", 6-0 28
#ATI-1-18-7PPN C-1, 3/8 Circle, 11mm, POLYPROPYLENE,18", 7-0 28
#ATI-3-18-SPPN C-3, 3/8 Circle, 13mm, POLYPROPYLENE, 18", 5-0 28
#ATI-3-18-6PPN C-3, 3/8 Circle, 13mm, POLYPROPYLENE, 18", 6-0 28
#ATI-6-18-3BBS C-6, 3/8 Circle, 19mm, BLACK BRAIDED SILK, 18", 3-0 28
#ATI-6-18-4BBS C-6, 3/8 Circle, 19mm, BLACK BRAIDED SILK, 18", 4-0 28
#ATI-9-18-3BBS C-9, 1/2 Circle, 23mm, BLACK BRAIDED SILK, 18", 3-0 28

TISSUE FORCEPS
#106 Tissue Forceps 19
90° Angle to hold tissue flaps and suture
#485 Adson - Serrated 19
#486 Adson - 1 x 2 teeth 19
#TF2 Adson - Tungsten/Carbide Tips 19
#480 Semkin 19
#481 Semkin - 1 x 2 teeth 19
#488-6 Russian Forceps 19
#050.17 Straight 7” micro 19
#051.17 Straight - 7” micro w/tungsten/carbide tips w/teeth 19
#052.17 Straight - 7” micro w/tungsten/carbide tips 19

TISSUE PUNCHES
388.03 3mm 389.03 3mm Cylindrical 35
388.04 4mm 389.04 4mm Cylindrical 35
388.05 5mm 389.05 5mm Cylindrical 35
388.06 6mm 389.06 6mm Cylindrical 35
668.01 Holder 35

#K3800. Tissue Punch Kit: 3, 4, 5, 6mm diameters and holder 35
#K3800C. Cylindrical Tissue Punch Kit: 3, 4, 5, 6mm diameters and holder 35

TREPHINES - IMPLANTATION
#363.02 2.4 mm Implantation Trephine Drill 34
#363.03 3.3 mm Implantation Trephine Drill 34
#363.04 3.6 mm Implantation Trephine Drill 34
#363.05 4.3 mm Implantation Trephine Drill 34
#363.06 5.2 mm Implantation Trephine Drill 34

TREPHINES - EXPLANTATION
#369.03 3.5 mm Exploration Trephine Drill 35
#369.04 4.0 mm Exploration Trephine Drill 35
#369.05 4.5 mm Exploration Trephine Drill 35
#369.06 5.2 mm Exploration Trephine Drill 35
#369.07 6.2 mm Exploration Trephine Drill 35
#668.02 Trephine Drill Rack 34/35

#K386. Implantation Trephine Drill Set w/rack 34
#K389. Exploration Trephine Drill Set w/rack 35

XOTOMES®
XO-10 Straight-Small - Extra Fine 3
XO-20 Curved-Small - Extra Fine 3
XO-30 Curved Angled Mesia - Extra Fine 3
XO-40 Angled- Distal Extra Fine 3
XO-50 Angled-Mesial 3
XO-60 Angled-Distal 3
XO-70 Straight-Universal 3
XO-80 Angled-Mesial 3
XO-90 Angled-Distal 3
XO-100 Straight-Universal 3

#K6600. X-Otomes Kit: XO10 - XO70, and sterilization tray T-10 3

X-TRAC® FORCEPS
#1800 Upper Molar Right Forceps 6
#1700 Upper Molar Left Forceps 6
#5197 Upper Narrow Root Fragment 8
#4507 Lower Narrow Root Fragment 8
#3508 Upper Universal Forceps 6
#7990 Lower Universal Forceps 6
#4415 Universal Maxillary Root Forceps 8
#3608 Lower Anterior Forceps 6
#0700 Upper Universal Forceps 5
#7301 Lower Molar Forceps 7
#2300 Lower Cowhorn Forceps 7
#6701 Upper 3rd Molar Forceps 7
#7900 Lower 3rd Molar Forceps 7
#6717 3-Prong Upper Left Molar Forceps 7
#6718 3-Prong Upper Molar Forceps 7
#2190 Lower Universal Forceps-notched 5
#3400 Upper Anterior Forceps-notched 5
#3500 Upper Universal Forceps-notched 5
#3600 Lower Anterior Forceps-notched 5
#5115 Upper Root Forceps 8
#4515 Lower Root Forceps 8

#K4000. Root Tip Kit: Includes #5115, #4514, #63 Elevator 9
#K4200. Essential X-Trac® Kit: Includes #3500, #2190, #5115, #4515, #XO-70, #P-200, #P-300, Sterilization Tray T-20 9
ATI Manufacturing
Located in Hamburg, New York, ATI manufactures high-quality devices and machined components with a commitment to comply with customer and ISO requirements. ATI is committed to continually developing and improving its leading edge manufacturing processes, continuing to build upon its legacy of innovation and quality to meet tomorrow’s challenges.

Quality
ATI recognizes that quality is the most important factor for medical device companies. We maintain a quality management system that complies with the requirements of various industry, federal and international quality standards. Our broad range of manufacturing capabilities, along with a streamlined production process combines to create superior products.

Swiss Machining  
CNC milling  
Production
Machining
As market innovators, ATI Manufacturing offers component/OEM manufacturing. Our engineers take the time to understand your end goals when producing products. Whether you need CNC milling, multi-axis turning or Swiss machining, ATI provides a comprehensive machining solution from design, to development, to production.

Metal Finishing
Specializing in electropolishing, anodizing, and passivation, ATI offers coatings for stainless, aluminum and titanium, which meet all levels of performance or aesthetics. Whether applying coatings to provide durability or protection from corrosion, electro-chemically removing surface material to polish stainless steels, or treating stainless with mild oxidant to remove free iron or other surface contaminants, ATI can produce to your exact specifications.
evolution doesn’t imitate…it innovates