ELECTROSURGERY
Improving Surgical Results
Cleaner Sample Margins
Closely Control Excision to Provide Accurate Samples
Avoid Over-Excision of Tissue
Reduce Thermal Damage to Specimens
Minimize Number of Samples

**UtahLoop® Electrodes**
Outstanding Electrodes for HPV Management

Developed and manufactured by Utah Medical Products, Inc. (UTMD), UtahLoop specialty electrodes deliver highly predictable excisional performance. Why? Because UtahLoops are constructed with UTMD’s proprietary ExactFit™ assembly process and have the patented Safe-T-Gauge®. The Safe-T-Gauge adjustable depth control device\(^1\) provides several important advantages that ensure the best outcomes possible for LETZ®:

- The maximum excision depth can be preset to provide the physician with an accurate reference to avoid removing excess cervical tissue that might compromise patient fertility.

- The high-grade, durable tungsten excision wire is supported, providing extra stability to fix electrode position, avoiding superficial lesion excision and inadequate histopathology.

- A single loop width emulates several loop sizes which would be required without the Safe-T-Gauge, eliminating the risk of not having the right size for a particular excision and reducing the need to stock many loop sizes.

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\(^1\) U.S. Patent 5,324,288

In a standard loop electrode, the combination of the T-shaped shaft, lack of loop wire support, and cheap wire material allow loop wire flex at the hub, causing superficial lesion excisions and fragmented specimens.

UtahLoop’s unique electrode wire support, pure tungsten loop material, and Y-shaped shaft, along with superior workmanship, provide excellent rigidity and accurate excision depth control.
Current excisional devices for managing deep endocervical CIN lesions lack the shape needed to preserve healthy cervical tissue. Cone biopsy morbidity seems to be related to the total amount of tissue excised, demonstrating that tissue-sparing excision techniques are important to improving clinical outcomes. Traditional "straight wire" conization electrodes excise an excess of healthy tissue, which may compromise adequate cervical function.

Research has also shown that CIN involvement in most endocervical glands extends no more than 3.8mm from the cervical surface. The C-LETZ Conization Electrode is designed from this research. Its patented contoured electrode shape removes a constant thickness specimen to ensure adequate removal of diseased tissue without risking excessive excision of healthy cervical tissue.

- Contoured wire shape provides consistently clear excision margins, providing a 98% rate of certain histopathology diagnosis.
- Provides a single tissue specimen compared to ‘top hat’ excisions, eliminating thermal injury of the transverse excision component
- Potentially reduces the possibility of cervical stenosis by preserving healthy tissue
- Potentially reduces recurrence and/or progression rates
- Hexagonal shaft feature locks electrode into pen
- Provides simultaneous hemostasis compared to cold knife conization

The C-LETZ Conization Electrode's contoured wire is designed for complete removal of lesions with glandular involvement. Clear excision margins are virtually assured.
**Enabling Cervical Access with Tactility**

DXTender Electrode Extenders provide a unique and effective solution for LETZ procedures.

Cervical depth varies among patients. LETZ electrode lengths that are appropriate for one patient will be insufficient to reach another patient’s cervix. A traditional straight extender can provide adequate reach, but the additional length may cause hand pencil interference with the colposcope body.

UTMD’s DXTender Electrode Extenders are specially configured to:

- Reposition hand and pencil away from colposcope and view axis.
- Place loop electrode on the pencil’s long axis, which maintains tactility and control.
- Create additional reach for patients with a deeper cervix.

**The DXTender Advantage**

Tactility is critical during LETZ excisions. DXTender maintains the tactility of a straight electrode by aligning the loop electrode with the pencil’s central axis. This eliminates lateral force on the electrode which would cause torque and result in slippage of the extender in the pencil.

**Two LETZ Techniques, Two DXTender Electrode Extenders**

Two DXTenders are available:

- Large: For use during colposcopically visualized LETZ procedures. Provides adequate clearance of the pencil from the body of the colposcope.
- Small: For use during directly visualized LETZ procedures. Keeps the user’s hand away from the visual axis.
Hands-Free Cervical Visualization

Utah Medical Products' patented OptiSpec Light is a new concept in non-colposcopic illumination of the cervix. An ultra-bright LED selected to provide a pure white light spectrum has been mounted in a small, clip-on disposable package. The result is excellent illumination of the cervix with a device that otherwise seems like it's not even there!

Cervical visualization through a colposcope with a bright white light provides critical visual information with minimal clinician fatigue. However, the use of the colposcope for other everyday exams is impractical. Other methods of cervical illumination emit a dull yellow, low intensity light, and usually require one hand to actively hold the lighting device.

- Compact light clips on to most common vaginal specula
- Unobtrusive configuration remains out of visual and working field
- Provides a simple, hands-free light that improves visualization during:
  - gyn exams
  - pap smears
  - LETZ® procedures
  - diagnosis of abnormal obstetric bleeding
  - ER exams for vaginal trauma
  - any other directly visualized vaginal procedures
- Efficient light-emitting diode (LED) provides truer color visualization with a light that is whiter than halogen bulbs
- OptiSpec is provided sterile, for immediate single patient use, eliminating any cleaning requirements

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QUANTITY</th>
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<tbody>
<tr>
<td>DXTender Electrode Extender, Small</td>
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<td>DXT-S06</td>
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<td>DXTender Electrode Extender, Large</td>
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<td>DXT-L09</td>
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<tr>
<td>Straight Electrode Extender, 10cm</td>
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<td>DLP-X10</td>
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<tr>
<td>OptiSpec Gynecology Light, White</td>
<td>25 / box</td>
<td>LITE-WS</td>
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1 Patent(s) Pending
2 U.S. Patent 7,631,981
**Cold Scalpel Healing with Electrosurgical Modality**

Precise Dissection Yields Excellent Cosmetic Results
Low Power Settings Reduce Smoke Plume
Provide Hemostasis with Favorable Healing Process

**EPITOME® SCALPEL**

Epitome, UTMD's patented blade electrode, significantly reduces thermal tissue injury compared to standard blade tips. In fact, histological analysis of porcine skin incisions shows healing results that closely resemble cold sharp scalpel incisions. This means that Epitome provides:

- Cutting precision exceeding that of a cold scalpel.
- Cosmetic results comparable to a cold scalpel.
- Hemostasis of the electrosurgical modality.
- Improved wound healing.

**EXTERNAL LESION ELECTRODES**

UTMD's short shaft electrodes are ideal for controlled removal of external lesions, allowing better utilization of office-based ESUs. Excision of lesions provides a specimen for dermatopathology, which is not possible with ablative modalities such as cryotherapy.

External lesion electrodes are packaged 10 per box.
UTMD’s OptiMicro Needle ultra-fine tip electrosurgical electrodes are designed to provide precise dissection with virtually no thermal effects, yielding excellent cosmetic results for small-scale procedures. These micro-needles have the finest geometry available. Because of their extremely small surface area, high current densities are achieved with very low power settings.

UTMD designed and manufactures the OptiMicro Needle to the same exacting standards as the UtahLoop electrodes, and provides the discerning surgeon with critical clinical benefits:

- Thermal tissue injury in virtually eliminated, providing excellent healing results and reduced post-surgical pain.
- Output power settings are very low, which minimizes nerve and muscle stimulation and stray electrosurgical currents.
- Tungsten electrode withstands high current densities, and maintains sharpness throughout procedure.
- Substantially reduces smoke plume and odor compared to standard blade geometry tips.
- Provided sterile for immediate use, 10 needles per box

Reduced Thermal Injury

Histology reveals significantly reduced thermal injury with Epitome incisions (1) as compared to a standard electrosurgical tip incision (2).

Improved Wound Healing

Mason’s Trichrome stain reveals markedly reduced fibroplasia, as shown by the degree of collagen deposition, and minimized inflammatory response in porcine skin incisions made with Epitome (3) as compared to a standard tip incision (4).

OptiMicro™ Needle

UTMD’s OptiMicro Needle ultra-fine tip electrosurgical electrodes are designed to provide precise dissection with virtually no thermal effects, yielding excellent cosmetic results for small-scale procedures. These micro-needles have the finest geometry available. Because of their extremely small surface area, high current densities are achieved with very low power settings.

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1 U.S. Patents 5,860,976, 6,126,656
The FINESSE and FINESSE II Electrosurgical Generator and Smoke Evacuation Systems have been designed to meet the highest performance and safety standards required for loop electrosurgery procedures.

Controlled Output Circuitry

Both systems incorporate Controlled Output Circuitry to produce the best histological tissue specimen for the pathologist. Controlled Output Circuitry is an "intelligent cut" module that maintains the output within the ideal cutting range to produce a specimen with minimal thermal damage at the margins. It also allows the generator to be set at a preferred cut mode output setting but continuously adjusts itself to meet the minimum needs for optimal cutting. This eliminates any need to adjust the output setting when changing loop sizes.

Integrated Smoke Evacuation

The FINESSE and FINESSE II Systems utilize a patented design that integrates the electrosurgical generator and smoke evacuation system into a single compact unit. This results in an optimal design for operating areas with limited space, especially offices. It also allows simultaneous “single switch” activation of both modules by either the handswitch control pen or footswitch.

Three-Stage Particle Filtration

The FINESSE and FINESSE II Systems utilize a three-stage filtration system to evacuate and filter the smoke plume produced during electrosurgery. The filtration system includes an activated charcoal filter which adsorbs odorous gases, and two high-efficiency particulate filters which remove solid particles and aerosols. The three filters provide a minimum efficiency of 99.999% for 0.1 micron particles.

Safety

The FINESSE and FINESSE II Systems meet global standards for patient lead isolation. This provides protection for both patient and clinician by reducing the possibility of creating an alternate current path that could result in shock or burn. In addition, the systems will sound an alarm and automatically shut off should an interruption occur in the connection to the dispersive pad.

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<table>
<thead>
<tr>
<th>ITEM</th>
<th>Voltage Option:</th>
<th>100–120 VAC</th>
<th>200–240 VAC</th>
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</thead>
<tbody>
<tr>
<td>FINESSE</td>
<td></td>
<td>ESU-110</td>
<td>ESU-220</td>
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<tr>
<td>FINESSE II</td>
<td></td>
<td>ESU2-110</td>
<td>ESU2-220</td>
</tr>
</tbody>
</table>

1 U.S. Patent 5,160,334
FINESSE II

Dimensions: 14.0" W x 12.3" D x 7.1" H, 20 lbs. (35.6cm x 31.2cm x 18.0cm, 9 kg)

Electrical Options: 115 Volt, 6.25 Amps, 45-65 Hz, or 230 Volt, 4.5 Amps, 45-65 Hz

Electrical Output:
- Frequency: 450kHz
- Cut Power: 65 Watts @ 500 Ohm load
- Cut Mode: Blended Cut, Interrupted Sinusoid, 62.5% Duty Cycle
- Coag Power: 60 Watts @ 500 Ohm load
- Coag Voltage: 3,500 Volts p-p max (open circuit)
- Activation: Handswitch, Footswitch

Smoke Evacuation:
- Flow Rate: >80 liters/min (2.8 CFM)
- Efficiency: >99.999% at 0.1 microns

Standards Compliance:
- ANSI/AAMI HF-18
- IEC 60601-1, 60601-2-2, 93/42/EEC (ESU2-220)

Customer Service: 800.533.4984 www.utahmed.com
Cost Effective Smoke Plume Management

Smoke Evacuation and Filtration

Minimizing the Dangers of Smoke Plume

Organizations such as NIOSH, OSHA, ANSI, and AORN have issued recommendations for the use of smoke evacuation during laser surgery and electrosurgery. These recommendations are based on the outcomes of numerous clinical studies that have shown significant problems with surgical smoke plume:

- The smoke plume produced during electrosurgery is as harmful as the smoke plume from laser surgery.
- The smoke plume contains hazardous chemical compounds, ranging from respiratory irritants to known carcinogens.
- The smoke plume may transmit infectious viruses such as HIV and HPV.

The FILTRESSE™ Smoke Filtration System

Elimination of smoke plume requires an efficient and reliable filtration system. The solution is UTMD’s Filtresse Smoke Filtration System.

- Three-stage disposable filter system efficiently removes odors and particulate matter, and reduces operational costs
- Easily attaches to most wands and instruments to yield quick smoke plume evacuation at the source
- Variable motor speed provides flow rate adjustability and yields enhanced noise suppression
- Pneumatic footswitch provides easy, hands-free operation
- Compact, portable and stylish design uses little office space

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QUANTITY</th>
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</thead>
<tbody>
<tr>
<td>Filtresse Smoke Filtration System, 110 VAC operation</td>
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<td>SSE-100</td>
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<tr>
<td>Filtresse Smoke Filtration System, 220 VAC operation</td>
<td>1 each</td>
<td>SSE-200</td>
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<tr>
<td>Filtresse Internal ULPA Filter Cartridge</td>
<td>1 each</td>
<td>SSE-500</td>
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<tr>
<td>Filtresse External Filter Pack (Nonsterile)</td>
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<tr>
<td>7/8&quot; Tubing Set with 1/4&quot; Instrument Tubing/Reducer (Nonsterile)</td>
<td>Box of 10</td>
<td>SSE-503</td>
</tr>
<tr>
<td>7/8&quot; x 10' Large Bore Tubing (Sterile)</td>
<td>Box of 10</td>
<td>SSE-513</td>
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<tr>
<td>1/4&quot; x 12&quot; Speculum Tubing and 7/8&quot; Reducer Fitting (Nonsterile)</td>
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<tr>
<td>1/4&quot; x 36&quot; Flexible Tubing and 7/8&quot; Reducer Fitting (Sterile)</td>
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<td>SSE-512</td>
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<tr>
<td>Filtresse External Filter Cartridge for SSE-503 and SSE-513</td>
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<td>SSE-511</td>
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<tr>
<td>Filtresse Pneumatic Footswitch</td>
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<td>SSE-600</td>
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<tr>
<td>Filter Retaining Ring</td>
<td>1 each</td>
<td>SSE-610</td>
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<tr>
<td>Fuse, 10A Slo-Blo (for SSE-100)</td>
<td>1 each</td>
<td>SSE-710</td>
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<tr>
<td>Fuse, 5A Slo-Blo (for SSE-200)</td>
<td>1 each</td>
<td>SSE-720</td>
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Dimensions:
9" W x 17" D x 9" H, 18 lbs. (23cm x 43cm x 23cm, 8kg)

Electrical Options:
- 110 Volt, 10 Amps, 45-65 Hz, or
- 220 Volt, 5 Amps, 45-65 Hz

Flow Rate:
- >3.5 cubic feet per minute (>100 liters per minute) through 1/4" I.D. tubing
- >9.5 cubic feet per minute (>270 liters per minute) through 22mm I.D. tubing

Minimum Sealed Vacuum: 45" H2O (86 mmHg) at maximum speed

Filtration Efficiency: >99.999% at 0.1 microns, 3 CFM (86 liters/minute)

Internal Filter Life: One Year

External Filter Pack Life: Up to 15 procedures

Customer Service: 800.533.4984
Components for Single-Source Convenience

UTMD has high quality components for use with many other brands of smoke evacuators. They can reduce operational costs, yet provide these benefits:

- Three-stage filtration design consists of activated charcoal plus two high performance filter elements, providing 99.999% or greater particle filtration efficiency.
- Large filter surface area yields high airflow while ensuring long-term particle entrapment. Achieves quick, effective removal of the surgical plume.
- System components fit directly into smoke filtration unit for immediate use — no adaptation required.

Filtration Kit ESU-961

Contents:

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
<th>Item No.</th>
</tr>
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<tbody>
<tr>
<td>ESU-550 Internal ULPA Filter</td>
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<tr>
<td>SSE-501 External Filter Pack</td>
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</tr>
<tr>
<td>ESU-502 Speculum Tubing/Reducer</td>
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</tbody>
</table>

Compatibility:
- Aspen/ConMed AirSafe AspenVac
- BEI Medical LLETZ-Plus
- Cabot/Cryomedics MiniVac
- Corometrics Model 201
- Stackhouse AirSafe MiniVac
- Nordex/Walker ProtectAir
- Valleylab ValleyVac
- ZSI LLETZ-Plus

Filtration Kit ESU-962

Contents:

<table>
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<tr>
<th>Item</th>
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<tr>
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<tr>
<td>ESU-541 Prefilter</td>
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<td>ESU-541</td>
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<tr>
<td>ESU-542 Reducer Fitting</td>
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<td>ESU-542</td>
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<tr>
<td>951-712 Complete Tubing Set</td>
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<td>951-712</td>
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</table>

Compatibility:
- CooperSurgical 6080
- Surgimedics Surgifresh Mini
- Surgimedics Plume-inator
- Valleylab AirForce

Stackhouse, AirSafe, and MiniVac are trademarks of Stackhouse Inc. Valleylab is a trademark of Covidien Ltd./Valleylab, Inc. Surgifresh is a trademark of Surgimedics. CooperSurgical is a trademark of The Cooper Companies.
Dispersive Pads

These pre-corded dispersive pads incorporate several improvements compared to standard dispersive pads to minimize risks of patient shock and burn during electrosurgery:

- A special “Safety Ring” and circular conductive geometry eliminates focusing of electrical current at corners and edges. The pads can be placed in any orientation.
- A special transthermal backing lets heat escape faster than foam backing.
- Pads are Latex-Free.

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QUANTITY</th>
<th>ITEM NO.</th>
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<tbody>
<tr>
<td>Dispersive pad, Solid with Safety Ring</td>
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<td>ES-9135-LP</td>
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<tr>
<td>Dispersive pad, Split (REM™) with Safety Ring</td>
<td>Box of 10</td>
<td>ES-9165*</td>
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</table>

*not for use with Finesse or Finesse II

Adapters for FINESSE, FINESS II, and other manufacturers’ generators are available for use with UTMD’s ES-9135-LP dispersive pad.

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QUANTITY</th>
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<tbody>
<tr>
<td>Dispersive pad adapter, Finesse, Finesse II (pre-1998)</td>
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<td>ES-3160C</td>
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<tr>
<td>Dispersive pad adapter Cryomedics, Aspen, Leisegang,</td>
<td>1 each</td>
<td>ES-3151C</td>
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<td>Cameron Miller</td>
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<tr>
<td>Dispersive pad adapter, Cooper 1000</td>
<td>1 each</td>
<td>ES-B205</td>
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**Finesse/Finessse II Adapter Selection Diagram**

Determine the need for a dispersive pad adapter by verifying the shape and pin spacing of the rectangular dispersive pad receptacle on the front panel of your Finesse or Finesse II System:

- 3/8” (10mm) **No Adapter Required**
- 1/4” (6mm) **ES-3160C Required**

REM is a trademark of Covidien Ltd/Valleylab, Inc.
**FINESSE Footswitches**

UTMD's two-pedal footswitch is for use with FINESSE and FINESSE II Systems. It allows activation of the generator in either the cut or coagulation mode, as well as simultaneous activation of the smoke evacuation system. The footswitch comes with a 10 foot cord.

<table>
<thead>
<tr>
<th>ITEM</th>
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<tbody>
<tr>
<td>Footswitch Assembly, 4-pin style</td>
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<td>ESU-170</td>
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<tr>
<td>Footswitch Assembly, 3-pin style*</td>
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<td>ESU-150</td>
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*For early models of Finesse and Finesse II

**Filters**

The Filter Pack II for the FINESSE and FINESSE II Systems incorporates an activated charcoal filter, a HEPA filter, a 10 foot filter tube, and a speculum tubing and adapter. Each filter pack can be used up to 15 times. The speculum tubing with adapter is a single use item which connects onto the speculum's smoke evacuation port.

<table>
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<tr>
<th>ITEM</th>
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<tr>
<td>Speculum Tubing and Reducer</td>
<td>Box of 15</td>
<td>ESU-502</td>
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<tr>
<td>Universal Disposable Tubing Set</td>
<td>Box of 10</td>
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</table>

**Electrosurgery Pens**

Electrosurgical pens are for use with the loop and ball electrodes. Each pen comes with a 10 foot cord. Packed sterile and disposable.

<table>
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<tr>
<th>ITEM</th>
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<tbody>
<tr>
<td>Two-Button Electrosurgery Pen, Handswitch Control</td>
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<tr>
<td>Electrosurgery Pen for Footswitch Activation, Direct Fit</td>
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<td>ESU-306</td>
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<tr>
<td>Electrosurgery Pen for Footswitch Activation*</td>
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<td>ESU-301</td>
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*Requires existing adapter

**FINESSE Internal Filter**

To keep the FINESSE and FINESSE II systems' smoke evacuator functioning efficiently, the internal filter should be replaced annually. Included with the filter are instructions and a tool for easy replacement.

<table>
<thead>
<tr>
<th>ITEM</th>
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<tr>
<td>Finesse Internal Filter</td>
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</table>
As part of our commitment to providing physicians with a complete line of LETZ® products, UTMD offers a full range of coated instruments.

**Non-Conductive Coating**

All reusable instruments have a special, extremely durable coating designed to insulate against transmission of electrical current, ensuring the highest level of protection for the patient and physician from possible burns or shocks during electrosurgical procedures.

**Smoke Evacuation Port**

All specula have a built-in smoke evacuation port for complete removal of the smoke plume from the operating field, preserving physician view and minimizing the potential hazards from smoke plume exposure.

**Sterilization**

All coated instruments can be processed using standard autoclave cycles. In addition, these instruments are certified compatible with the Sterrad process.

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<table>
<thead>
<tr>
<th>ITEM</th>
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<th>MED (4¼&quot;)</th>
<th>LRG (4¾&quot;)</th>
<th>EXT LONG (6&quot;)</th>
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<td>ESI-102</td>
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<td>Collin Speculum</td>
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Sterrad is a trademark of Johnson and Johnson Corp
UTMD’s Four-Way Vaginal Expanders provide a new approach to the visualization of the cervix during examinations, colposcopy, and LETZ procedures. The Expanders feature two laterally opening blades which solidly retain collapsing vaginal walls, ensuring clear access to the cervix for Pap smears and confident protection against vaginal wall burns during LETZ.

- Eliminates the need to use both a speculum and lateral retractor
- Available in plastic resin, uncoated stainless steel, and LETZ-coated stainless steel configurations, all of which are autoclavable
- Side blades activated on demand for enhanced cervical view and access
- Narrow blades improve patient comfort during insertion
- An optional instrument holder and line of custom instruments are available for hands-free physician assistance

UTMD also has a complete line of instruments that are specially configured for use with the Four-Way Expander System.

- Each instrument has an angled handle to preserve physician view and working area
- Each instrument is coated for use during electrosurgical procedures to avoid unintentional shock and burns

<table>
<thead>
<tr>
<th>ITEM</th>
<th>SIZE</th>
<th>DIMENSIONS</th>
<th>ITEM NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Four-Way Expander LETZ-Coated1</td>
<td>Medium</td>
<td>4.25&quot; x 0.8&quot;</td>
<td>ES-16122-MLE</td>
</tr>
<tr>
<td>Four-Way Expander LETZ-Coated1</td>
<td>Large</td>
<td>4.75&quot; x 0.9&quot;</td>
<td>ES-16132-LLE</td>
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<tr>
<td>Four-Way Expander LETZ-Coated1</td>
<td>Extra-Large</td>
<td>6.0&quot; x 1.0&quot;</td>
<td>ES-16135-XLE</td>
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<tr>
<td>Four-Way Expander Stainless Steel</td>
<td>Medium</td>
<td>4.25&quot; x 0.8&quot;</td>
<td>ES-16121-MST</td>
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<tr>
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<td>4.75&quot; x 0.9&quot;</td>
<td>ES-16131-LST</td>
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<tr>
<td>Four-Way Expander Stainless Steel</td>
<td>Extra-Large</td>
<td>6.0&quot; x 1.0&quot;</td>
<td>ES-16134-XST</td>
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<tr>
<td>Four-Way Expander Autoclavable Resin1</td>
<td>Medium</td>
<td>4.25&quot; x 0.8&quot;</td>
<td>ES-16101-MPL</td>
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<tr>
<td>Four-Way Expander Autoclavable Resin1</td>
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<td>4.75&quot; x 0.9&quot;</td>
<td>ES-16110-LPL</td>
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<tr>
<td>Schroeder Tenaculum</td>
<td>10&quot;</td>
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<td>ES-16201-SCT</td>
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<td>Atraumatic Tenaculum</td>
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<td>ES-16207-STT</td>
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<td>Emmett Tenaculum</td>
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<td>ES-16205-EMT</td>
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<td>Iris Hook</td>
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<td>ES-16203-IRH</td>
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<tr>
<td>Straight Hook</td>
<td>10&quot;</td>
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<td>ES-16209-LEH</td>
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<tr>
<td>Two-Prong Hook</td>
<td>10&quot;</td>
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<td>ES-16211-TPH</td>
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<tr>
<td>Three-Prong Hook</td>
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<td>ES-16213-TRH</td>
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</table>

Instrument Holder for Four-Way Expander                    ES-16141-INS
Disposable Smoke Evacuation (DSE) Tubing (Box of 50)      ES-16145-TUB

<table>
<thead>
<tr>
<th>ITEM</th>
<th>SIZE</th>
<th>DIMENSIONS</th>
<th>ITEM NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kogan Endocervical Speculum</td>
<td>Standard</td>
<td>1.00&quot; x 5mm</td>
<td>ESI-140</td>
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<tr>
<td>Kogan Endocervical Speculum</td>
<td>Narrow</td>
<td>1.00&quot; x 3mm</td>
<td>ESI-141</td>
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<tr>
<td>Tissue Forceps</td>
<td>8&quot;</td>
<td></td>
<td>ESI-401</td>
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<tr>
<td>Tissue Forceps</td>
<td>10&quot;</td>
<td></td>
<td>ESI-402</td>
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<tr>
<td>Dressing Forceps</td>
<td>8&quot;</td>
<td></td>
<td>ESI-403</td>
</tr>
<tr>
<td>Dressing Forceps</td>
<td>10&quot;</td>
<td></td>
<td>ESI-404</td>
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<tr>
<td>Ring Forceps</td>
<td>9&quot;</td>
<td></td>
<td>ES-16215-LRF</td>
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<tr>
<td>Lateral Wall Retractor</td>
<td>3.25&quot; x .75&quot;</td>
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<td>ESI-300</td>
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</tbody>
</table>

1 Requires DSE Tubing (ES-16145-TUB)

www.utahmed.com
Computer Controlled Injection is Ideal for LETZ

The CompuMed Anesthesia Injection System is a proprietary computer-controlled mechanism and The Wand® handpieces that allow for accurate, pain-free injection of lidocaine for loop excision procedures. Because the CompuMed system provides the injection force, it is now possible to use the finest gauge needles — injection of the cervix is easily done with a 30 gauge needle.

CompuMed provides a three-speed injection rate — the slow rate provides a small amount of lidocaine during insertion that anesthetizes as the needle penetrates. The normal injection rate is ideal to minimize discomfort — especially the ‘burning’ sensation and cramping that is often the result of a rapid injection. A high speed injection mode is also available for use at the user’s discretion.

The Wand’s 6” (15cm) handle length eliminates the need for an expensive reinforced needle, and minimizes retention of a significant volume of lidocaine that is characteristic of a needle extender.

- Achieve cervical injections without hand fatigue — maintain control of loop excision motion
- Footswitch controllable injection rate allows for pain- and cramp-free injection by enabling lidocaine delivery during needle insertion Cartridge style system eliminates risk of needlestick inherent to traditional syringe loading from a vial
- Extended length handpiece easily reaches the cervix with a short needle, eliminating needle extenders and expensive reinforced needles
- Aspiration mode helps prevent intravascular injection of lidocaine and epinephrine
- The Wand extended length handpieces allow the use of fine gauge needles — inject with a 30 gauge needle

CompuMed®

CompuMed System Module
- Dimensions: 7.2” H x 6.3” D x 3.0” W (18cm x 16cm x 8cm)
- Cartridges: accepts standard 1.8 ml cartridges
- Injection Rates (time to dispense 1.8ml):
  - slow: 280-330 sec
  - normal: 50-55 sec
  - high: 25-28 sec

The Wand Handpieces
- Handpiece Length:
  - The Wand: 6” (15cm)
  - SafetyWand: 5.3” (13cm)
- Tubing Length: 52” (132cm)
The SafetyWand

The SafetyWand optimizes sharps safety when using the CompuMed system. SafetyWand is lighter than a traditional syringe and is operated with one hand. The pen-like grasp provides optimal ergonomics, allowing maximal tactile control.

Needles up to 1¼” can be retracted multiple times to maintain sharps safety during multiple-cartridge injections. When injections are complete, the SafetyWand can be permanently locked for safe disposal.

Amount of lidocaine remaining in cartridge is clearly displayed
Needle cap holder enables one-hand recapping of used needle
Five-second aspiration mode can be used to rule out intravascular injection

“I love it! The injection is effortless and I use less lidocaine, compared to a control syringe.”

Mark Stowers, MD
Salt Lake City, UT

RWA-2050–305
The Wand with 30 ga ½” Needle

RWA-2040–ASAF
SafetyWand (shown with 27 ga 1¼” needle)

ITEM QUANTITY ITEM NO.
CompuMed System (110 Volt operation) 10 / box RMD-1303-110
CompuMed System (220 Volt operation) 10 / box RMD-1303-220

The Wand, without needle 10 / box RWA-2050A
The Wand, with 27 ga 1¼” needle 10 / box RWA-2050-2725
The Wand, with 30 ga 1” needle 10 / box RWA-2050-301
The Wand, with 30 ga ½” needle 10 / box RWA-2050-305
SafetyWand, without needle 10 / box RWA-2040-ASAF
27 ga 1¼” needle 100 / box N-27G125
30 ga 1” needle 100 / box N-30G100
30 ga ½” needle 100 / box N-30G050

Replacement Plunger and 10 O-Rings 10 / box RWA-1020
Package of 10 O-Rings 10 / box RWA-1030
Pneumatic Footswitch 1 / box RWA-1043
“Large Loop Excision of the Transformation Zone”

Dr. Walter Prendiville’s Large Loop Excision of the Transformation Zone contains a wealth of information on LETZ, with contributions from many authorities on the procedure.

“A Guide to CIN Management”

This video is an excellent resource for the LETZ procedure (NTSC or PAL videotape, NTSC DVD).

LETZ Patient Information Brochure

Written to assist the clinician in educating and assuring patients about CIN and the LETZ procedure.

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QUANTITY</th>
<th>ITEM NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large Loop Excision of the Transformation Zone</td>
<td>1 each</td>
<td>ESU-981</td>
</tr>
<tr>
<td>A Guide to CIN Management</td>
<td>1 each</td>
<td>ESU-982</td>
</tr>
<tr>
<td>LETZ Patient Information Brochure</td>
<td>Pack of 25</td>
<td>ESU-991</td>
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</tbody>
</table>
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Fax +353.90.647.5608

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