



Simple Yet Sophisticated



THE SYSTEM 2450™

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The System 2450™, a member of ConMed's family of electro-surgical generators, provides state-of-the-art innovation in an easy-to-use format. The System 2450 is simple on the outside, yet sophisticated and powerful on the inside.

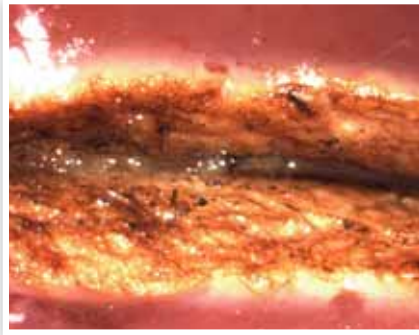
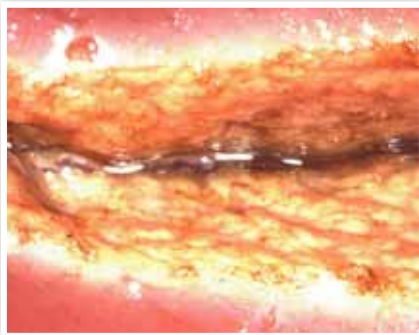
Dynamic Response™ Technology

The System 2450 incorporates ConMed's Dynamic Response™ technology, the most advanced generator design on the market. Dynamic Response reacts to changes in tissue in less than 10 milli-seconds ensuring the delivery of the desired amount of power while limiting the chances of thermal damage to surrounding tissue. Generators without Dynamic Response can produce more arcing and potentially more damage to the surrounding area.

Safe

Patient safety is always a priority. The System 2450 ESU features ConMed's Automatic Return Monitor (ARM®) technology designed to alert the operating room staff if the patient/grounding pad contact is compromised when used with compatible dual pad dispersive electrodes. ARM helps to reduce the risk of pad site burns.

When a properly functioning single dispersive electrode is connected to The System 2450, the ARM verifies the connections between the ESU, the dispersive electrode cable, and the dispersive electrode.



Comparison of Pure Cut at 50 watts on bovine liver. A. ConMed's System 2450 ESU. B. Competitor's ESU. Less charring occurs with The System 2450's Dynamic Response technology.

Smooth Cutting

The System 2450 offers smooth cutting through different tissue types, offering both:

- » **Cut** – for scalpel-like cuts
- » **Blend** – for hemostasis while cutting

Powerful Coagulation

The System 2450 provides powerful coagulation for both dissection and hemostasis. Choose either:

- » **Standard** – for dissection with hemostasis
- » **Spray** – for broader hemostasis

Precise Bipolar Dessication

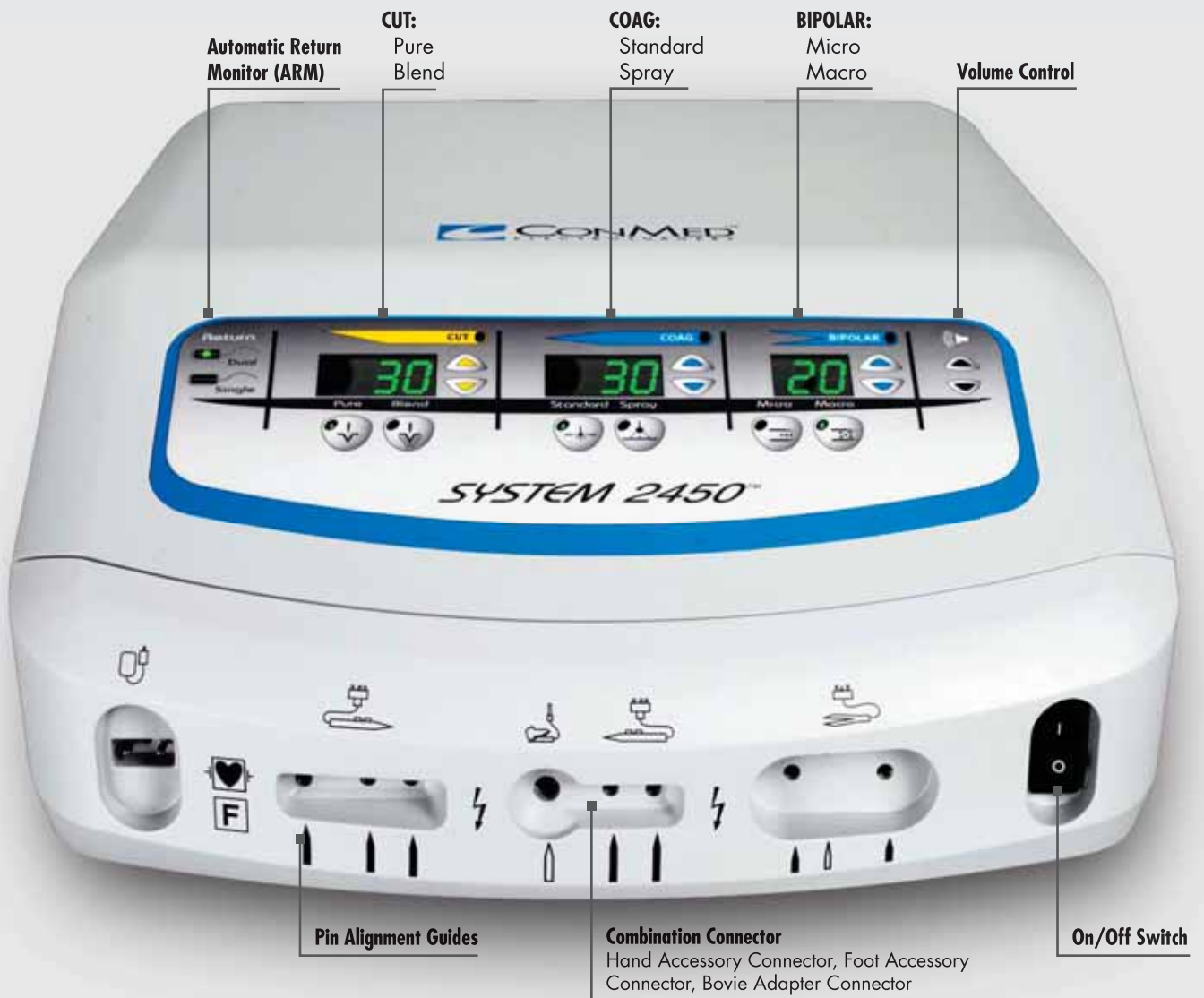
The System 2450 provides efficient dessication with minimal lateral thermal tissue damage. Choose:

- » **Micro** – for fine and precise coagulation
- » **Macro** – for more energy-intensive coagulation



Features

- » Dynamic Response Technology: The most advanced generator design available
- » Continuous ARM safety monitoring
- » Automatic programming restores The System 2450 to the last settings used
- » One handswitch/footswitch combination jack and a separate handswitch jack allows for multiple accessory connections
- » Bovie-style footswitch connector incorporated into the monopolar handswitch/footswitch jack
- » A serial interface port enables advanced communications between The System 2450 and compatible robotic surgical systems or O.R. integration systems
- » Integrated interface for activation of a smoke evacuator
- » Front panel volume control



Product Specifications

| Mode | Watts | Max Peak Voltage | Crest Factor (Typical) | Frequency (Hz) |
|------------------|-------|------------------|------------------------|----------------|
| Monopolar | | | | |
| Pure Cut | 300 | 1000 | 1.4–2.0 | 390–410 |
| Blend Cut | 200 | 1000 | 2.0–2.6 | 390–410 |
| Hi Blend Cut | 200 | 1100 | 2.2–2.9 | 390–410 |
| Standard Coag | 120 | 2800 | 5.6–6.6 | 485–505 |
| Spray Coag | 80 | 6200 | 7.5–9.5 | 485–505 |
| Bipolar | | | | |
| Micro Bipolar | 70 | 180 | 1.4–2.0 | 390–410 |
| Macro Bipolar | 70 | 450 | 1.4–2.0 | 390–410 |

| | |
|--|-------------------------------|
| Output Control System | Energy Synchronous Processing |
| Previous Setting Memory | Yes |
| Warranty | 2 Yrs Standard—7 Yrs Extended |
| Contact Quality Monitoring System (CQM) | ARM |
| CQM Range | 10-150 Ohms |
| Cooling System | Convection |
| Self Diagnosis | Yes |
| Technology | Isolated RF Output |
| Duty Cycle | 15 Seconds On, 30 Seconds Off |
| Compliant with applicable IEC 60601 series standards | |

Weight 32 lbs (14.5 kg)

Dimensions H: 7.0" (17.8 cm)
W: 14.4" (36.6 cm)
D: 21.5" (54.6 cm)

Ordering Information

| Product No. | Product Description |
|-------------|---|
| 60-2450-100 | System 2450™ ESU (100V) |
| 60-2450-120 | System 2450™ ESU (120V) |
| 60-2450-220 | System 2450™ ESU (220V) |
| 60-2450-230 | System 2450™ ESU (230-240 V) |
| 60-7152-001 | Cart |
| 60-6963-001 | Stacking Adapter for System 2450 |
| 60-6700-001 | Monopolar Footswitch with 15 ft. cable |
| 60-5103-002 | Bipolar Footswitch with 10 ft. cable |
| 60-2451-ENG | Operator's Manual |
| 60-2453-001 | In-Service CD, System 2450™ |
| 60-2454-ENG | Service Manual, System 2450™ |
| 60-8050-001 | System 1200™ Smoke Evacuator, 120V |
| 60-8055-001 | System 1200™ SmartFilter™ VLSI Grade ULPA rated. (2 each) |



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CONMED CORPORATION PRODUCT AREAS:

ARTHROSCOPY • ELECTROSURGERY • ENDOSCOPY • ENDOSURGERY • GASTROENTEROLOGY • INTEGRATED SYSTEMS • PATIENT CARE • POWERED INSTRUMENTS • PULMONOLOGY



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Please contact your local CONMED Representative for information on our family of generators and our accredited training programs.