

Megadyne™

The ETHICON MEGADYNE™
Electrosurgical Generator
is **simply smart**¹⁻³



interface
user experience
software
energy delivery
design
power settings
performance
setup
functionality

Simply smart

With robust functionality, a streamlined user-friendly design and proprietary technology for optimized energy delivery, the MEGADYNE™ Electrosurgical Generator is the simple yet smart choice for powering the core energy devices critical to performing surgery.¹ Together with the ETHICON GEN11 Generator and the MEGADYNE™ Smoke Evacuator, the **MEGADYNE™ Electrosurgical Generator**:

- Offers a customizable capital energy solution for assessing your surgery suite goals
- The ETHICON MEGADYNE™ Electrosurgical Generator is simply smart.²⁻⁴



1. MarketsandMarkets Electrosurgery Market Global Forecasts, 2014, page 48. 2. Ethicon Megadyne Electrosurgical Generator (MEGEN1) Technical Design Memo, February 2020, Data on File (132824-200218)
3. ENG-RPT-625 - Summative usability and design validation protocol, June 2019, Data on File (132824-200218) 4. Golden Gate Marketing Claims Memo, June 2019, Data on File (132824-200218)

Simply smart **functionality**



The ETHICON MEGADYNE™ Electrosurgical generator provides multiple cut, coagulation, bipolar modes and power settings to **optimize the delivery of energy** for the targeted tissue.^{1,5,6}

Cutting

PURE CUT MODE Provides a standard cutting effect.¹

BLEND MODE Provides a combination of cutting and coagulation¹

GEM MODE The Geometric Electron Modulation (GEM) mode of the ETHICON MEGADYNE™ Electrosurgical Generator automatically controls the output power of the generator to provide a consistent cutting effect¹

The **GEM High mode** of the ETHICON MEGADYNE™ Electrosurgical Generator is designed to provide surgical speed and efficiency.^{2-4*}

The **GEM Low mode** of the ETHICON MEGADYNE™ Electrosurgical Generator provides approximately half the power of GEM high mode and is designed to provide tactile feedback.^{2-4*}

Coagulation

COAG 1 MODE Is designed to allow the active electrode to efficiently move through tissue for coagulation with dissection¹

COAG 2 MODE Delivers a more gradual onset of energy that results in a mild delivery of coagulation with dissection¹

SPRAY (fulguration mode) Is designed to provide hemostasis in a broader area with less depth of tissue damage when compared to desiccation¹

SOFT COAG MODE Is designed to provide coagulation and desiccation at a slow rate with deep thermal penetration¹

Bipolar

MICRO BIPOLAR MODE Is designed to deliver consistent power to provide a tissue effect for all standard bipolar application.¹ Micro Bipolar mode is designed to deliver a precise and controlled bipolar effect¹

MACRO BIPOLAR MODE Delivers a rapid onset of power and higher voltage power output compared to Micro Bipolar¹

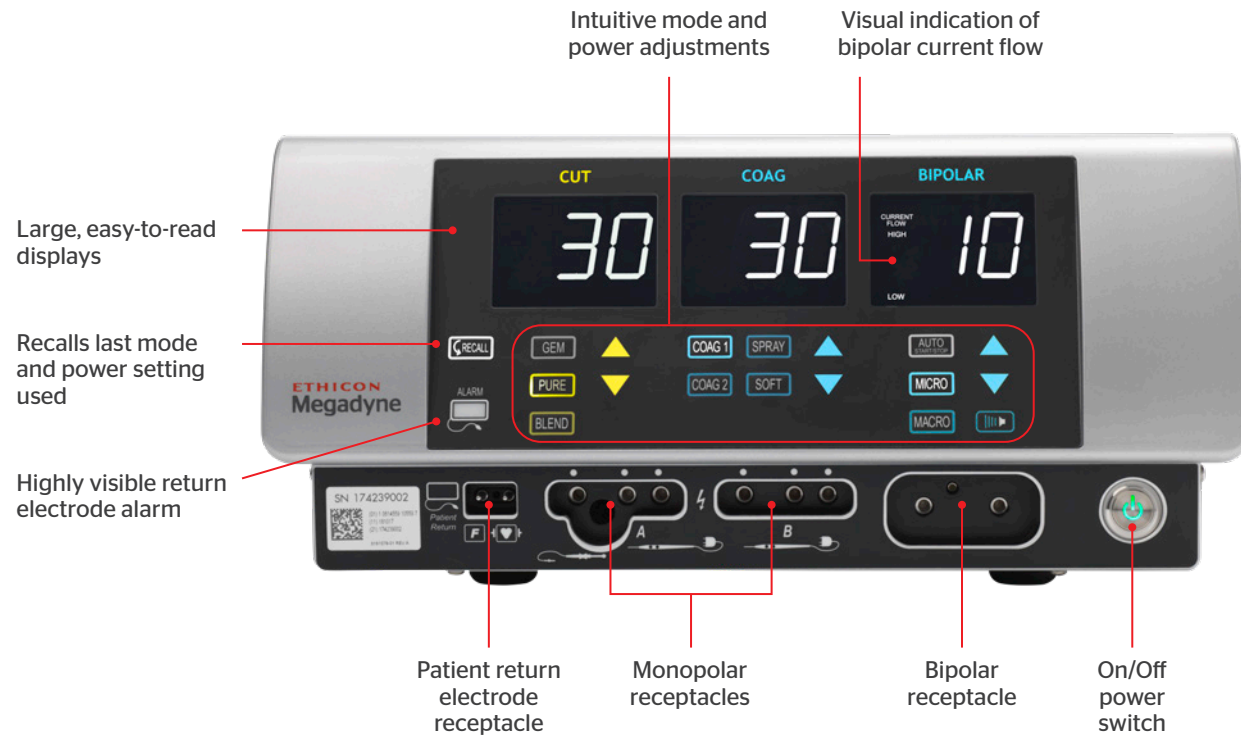
AUTO The Auto Bipolar feature of the ETHICON MEGADYNE™ Electrosurgical Generator is designed to remove the need for a bipolar footswitch¹

*When used in combination with a MEGADYNE ACE/GEM electrode

1. As Per Instructions For Use (133026-200220, 133027-200220, 126158-191023, 133030-200220, 136500-200408, 133034-200220, 136502-200408, 136505-200408, 133035-200220, 136511-200408, 136512-200408, 136506-200408)
 2. Ethicon Megadyne Electrosurgical Generator (MEGENI) Technical Design Memo, February 2020, Data on File (132811-200218, 132808-200218) 3. GEM Technical Monograph, October 2017, Data on File (132811-200218, 132808-200218)
 4. Ethicon Megadyne ESU Thermal Effects on Tissue, December 2018, Data on File (132811-200218, 132808-200218) 5. Ethicon, SCNO53750A, Geometric Electron Modulation (GEM) Technology: Technical Monograph, Oct 2017, Data on File (133026-200220) 6. Ethicon, ENG-PRT-625, Summative Usability and Design Validation Protocol, June 2019, Data on File (133026-200220)

Simple user experience

100% of nurses agreed the ETHICON MEGADYNE™ Electrosurgical Generator is **easy to use.**^{1,3*}



The power displays of the ETHICON MEGADYNE™ Electrosurgical Generator are **easy to read in multiple OR lighting conditions.**^{1,3**}

*18 out of 18 (100%) nurses surveyed agreed following use of the generator in a pre-clinical assessment
**16 out of 18 (88.9%) nurses surveyed agreed following use of the generator in a pre-clinical assessment

1. Ethicon, MKT-DOC-001, Golden Gate Marketing Claims Memo, Sept 2019, Data on File (132630-200217, 132635-200217) 2. Ethicon, ENG-PRT-625, Summative Usability and Design Validation Protocol, June 2019, Data on File (132630-200217) 3. As Per Instructions For Use (132630-200217, 132635-200217)

The ETHICON MEGADYNE™ Electrosurgical Generator is designed to **provide smart energy** delivery.^{1-3*}

The ETHICON MEGADYNE™ Electrosurgical generator is designed to optimize energy delivery to **minimize tissue damage** through proprietary software and algorithms.^{1-4*}



The ETHICON MEGADYNE™ Electrosurgical Generator provides:



expected tissue effects^{5-7**}



appropriate dissection speed^{5-7‡}



appropriate hemostasis^{5-7‡}



appropriate amount of thermal spread^{5-7‡}

*When used in combination with a MEGADYNE ACE/GEM electrode

**32 out of 34 (94.1%) surgeons surveyed agreed after using the Electrosurgical Generator in a preclinical assessment.

‡25 out of 25 (100%) surgeons surveyed agreed after using the Electrosurgical Generator in a preclinical assessment

‡ 33 out of 34 (97.1%) surgeons surveyed agreed after using the Electrosurgical Generator in a preclinical assessment

1. Ethicon Megadyne Electrosurgical Generator (MEGENI) Technical Design Memo, February 2020, Data on File (132831-200218, 132814-200218) 2. GEM Technical Monograph, October 2017, Data on File (132831-200218, 132814-200218) 3. Ethicon Megadyne ESU Thermal Effects on Tissue, December 2018, Data on File (132831-200218, 132814-200218) 4. Golden Gate Marketing Claims Memo, June 2019, Data on File (132814-200218) 5. Ethicon, MKT-DOC-001, Golden Gate Marketing Claims Memo, Sept 2019, Data on File (132751-200218, 132753-200218), 132755-200218 6. Ethicon, ENG-PRT-625, Summative Usability and Design Validation Protocol, June 2019, Data on File (132751-200218, 132753-200218, 132755-200218) 7. As Per Instructions For Use (132751-200218, 132753-200218, 132755-200218)

Ordering information

The MEGADYNE™ Electrosurgical Generator is the power behind **our expansive suite of Core Energy Solutions**. Let us configure a package to meet your complete OR surgical energy needs and help with your goal of enhancing OR safety:



MEGADYNE™
Electrosurgical Generator



ETHICON GEN11
Generator



MEGADYNE™ Mega Vac PLUS
Smoke Evacuator









MEGADYNE ACE BLADE™ 700
Soft Tissue Dissector



MEGADYNE™ Telescoping
Smoke Evacuation Pencil



MEGADYNE™ MEGA SOFT™
Universal Plus Reusable Patient
Return Electrode

Description		Catalog #	Quantity
MEGADYNE™ Electrosurgical Generator		MEGEN1	1
MEGADYNE™ Mega Cart with Top Shelf		1300SJ	1
Monopolar Footswitch (3m cable)		1400JJ	1
Bipolar Footswitch (3m cable)		1450J	1
Round Bipolar Footswitch		1459J	1
Monopolar Adapter		96007	1

Customer support

Please contact your local Ethicon Sales Representative.

For more information, visit:
www.jnjmedicaldevices.com

Please refer always to the Instructions for Use / Package Insert that come with the device for the most current and complete instructions.

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