



**EVERY NEUROSURGICAL CASE
DESERVES A SOLUTION**

**Codman[®] Electrosurgery Bipolar Forceps,
Generator and Irrigator System**

Codman[®]
SPECIALTY SURGICAL

ADAPTIVE POWER

ERGONOMICS

PERFORMANCE

RELIABILITY

ACCESS

FAMILIARITY

THERMAL
CONTROL

PRECISION

NON-STICK

MINIMIZE THERMAL SPREAD

VISUALIZATION

Codman® Bipolar Forceps Portfolio

Continuously evolving to meet your clinical needs

FOR MORE THAN 50 YEARS, CODMAN® HAS INNOVATED THE FIELD OF ELECTROSURGERY. OUR BROAD LINE OF DISPOSABLE AND REUSABLE BIPOLAR FORCEPS ARE AVAILABLE TO ACCOMMODATE YOUR DIVERSE NEUROSURGICAL PROCEDURES.



Codman VersaTru® Disposable Non-Stick Bipolar Forceps

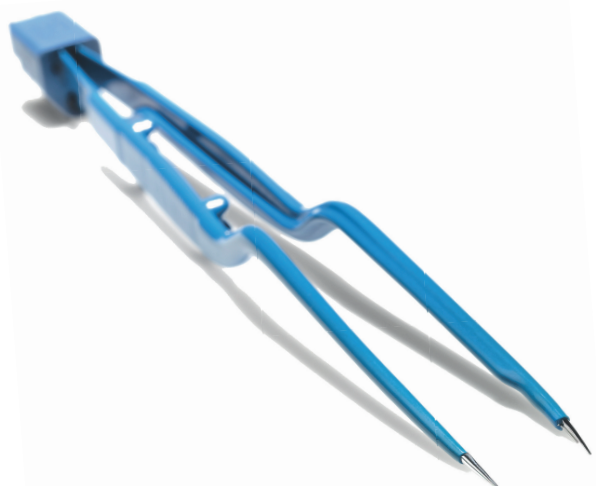
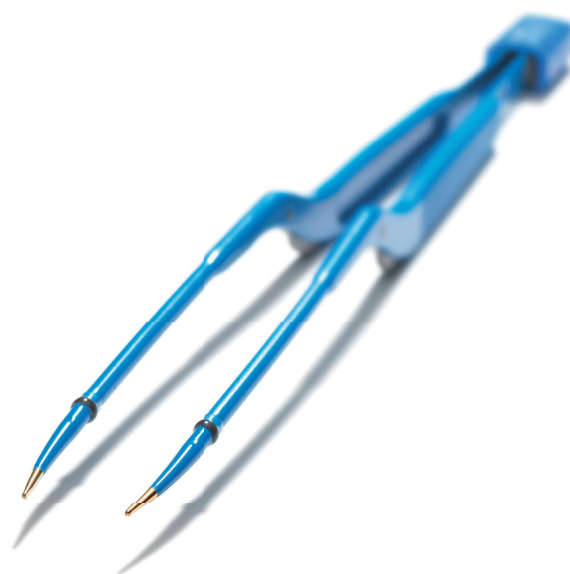
When controlling **Challenging Situations** matters

- Non-stick coagulation
- Precision surgical control
- Optimal visualization

Isocool® Disposable Non-Stick Bipolar Forceps

When **Precise Heat Control** matters

- Active heat control
- Precision & visualization



Codman® Reusable Bipolar Forceps

When handling **Simple Cases** matters

- Extensive offering
- Non-stick coagulation
- Good visibility

Codman VersaTru® Disposable Non-Stick Bipolar Forceps

Your Partner in Challenging Situations

BUILT FROM CODMAN®'S 50 YEARS OF EXPERIENCE INNOVATING THE FIELD OF ELECTROSURGERY, THE CODMAN VERSATRU® DISPOSABLE NON-STICK BIPOLAR FORCEPS HELP YOU OPTIMIZE YOUR SURGICAL PERFORMANCE IN CHALLENGING SITUATIONS.



Non-Stick Coagulation

Full length proprietary plating is engineered to optimize heat transfer along the entire tine surface to provide **enhanced and consistent non-stick coagulation performance***, especially in intensive surgical conditions, reducing sticking and charring while coagulating.

Precision Surgical Control

True Tip Alignment technology provides **enhanced control and tactile feedback***.

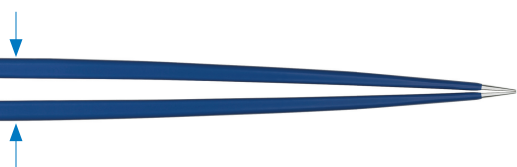
- Precision machined internal yoke permanently fixes tine geometry to deliver true tip alignment.
- Anti-scissoring device is designed to limit tine & tip movement and deliver true tip alignment.
- Automated finished tips help in tip alignment precision.
- Enhanced tine rigidity due to higher grade alloy*.

Flexible cord and remote connections are designed to provide **enhanced instrument balance***.



Codman VersaTru® Standard

Codman VersaTru® Slim



Optimal Visualization

- Thin chamfered tines coupled with a beveled tip design delivers a 21% narrower profile* for **enhanced visualization and access** to surgical targets even in tight working channels.
- Standardized angulation across the sizes of forceps provides a consistent handling experience.
- **Codman VersaTru® Slim** disposable non-stick bipolar forceps feature a 21% narrower profile** and a shallow tine angle design that **optimizes visualization in narrow operating corridors** between forceps tips.

*Compared to previous generation of Codman® disposable non-stick bipolar forceps

** Compared to Codman VersaTru® Standard disposable non-stick bipolar forceps

Order Information:

Reference	Overall Length	Tip Size	Packaging
Codman VersaTru® Standard Disposable Non-Stick Bipolar Forceps			
9007050ST	7" / 18 cm	0.5 mm	1
9007100ST	7" / 18 cm	1 mm	1
9007150ST	7" / 18 cm	1.5 mm	1
9008050ST	8" / 20 cm	0.5 mm	1
9008100ST	8" / 20 cm	1 mm	1
9008150ST	8" / 20 cm	1.5 mm	1
9009050ST	9" / 23 cm	0.5 mm	1
9009100ST	9" / 23 cm	1 mm	1
9009150ST	9" / 23 cm	1.5 mm	1
Codman VersaTru® Slim Disposable Non-Stick Bipolar Forceps			
9008050SL	8" / 20 cm	0.5 mm	1
9008100SL	8" / 20 cm	1 mm	1
9008150SL	8" / 20 cm	1.5 mm	1
9009050SL	9" / 23 cm	0.5 mm	1
9009100SL	9" / 23 cm	1 mm	1
9009150SL	9" / 23 cm	1.5 mm	1

Isocool® Disposable Non-Stick Bipolar Forceps

Precise Heat Control

BUILT FROM CODMAN®'S 50 YEARS OF EXPERIENCE INNOVATING THE FIELD OF ELECTROSURGERY, THE ISOCOOL® DISPOSABLE NON-STICK BIPOlar FORCEPS ARE DESIGNED FOR PROCEDURES REQUIRING CRITICALLY PRECISE TEMPERATURE CONTROL.



Active Heat Control

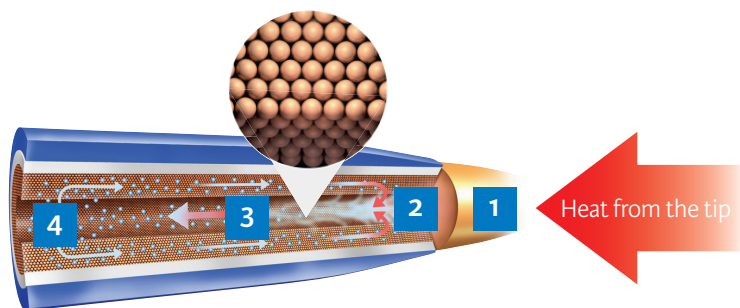
Active Heat Transfer (AHT®) technology actively controls tip and tissue temperature. Heat pipes pump heat away from the tips allowing Isocool® Bipolar Forceps to **achieve and maintain lower but efficient temperatures during coagulation:**

- Minimizing sticking and charring.
- Reducing inadvertent collateral tissue damage.
- Enhancing ability to coagulate delicate tissue in fine detail.

Gold coated tips feature **improved non-stick performance** due to greater heat conduction compared to silver for precise coagulation.

With AHT® Technology

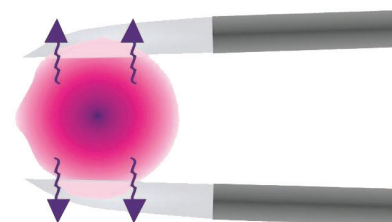
- + Temperature at the tip does not exceed the temperature necessary for tissue coagulation.
- + Active control of the tip and tissue temperature allow limited heat dispersion throughout the tissue to prevent thermal damage.

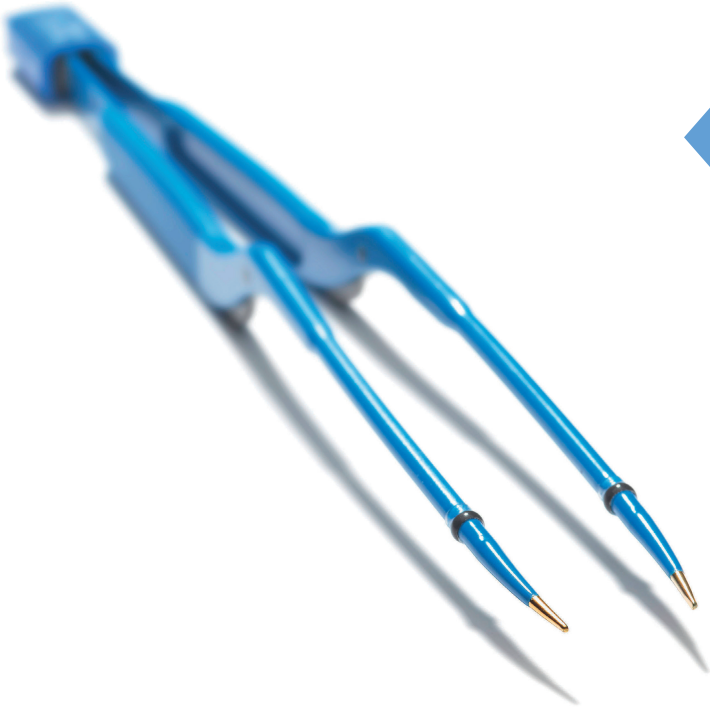


- 1 At tips, heat vaporizes the working fluid.
- 2 Heat pipes use a working fluid to pump heat away from tips.
- 3 Vapor travels up the heat pipe, releasing heat away from the tips.
- 4 Cooled vapor condenses, flowing back to tips (recycled) to absorb more heat and start the process over.

Without AHT® Technology

- Temperature at the tip can exceed the temperature necessary for tissue coagulation.
- Heat passively dissipates around the tip throughout the tissue, which may cause thermal tissue damage.

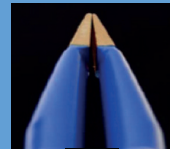




Precision & Visualization

- The improved locking mechanism of the handle/tip interface enhances the disposable tip engagement and alignment for **precise coagulation**.
- **Isocool® GL** is slimmer and has a more contoured tip design than LP (low profile) for a **greater line of sight**.

Isocool® LP



2005



Isocool® GL



2007



Order Information:

Reference	Overall Length	Working Length	Tip Size	Packaging
Isocool® Disposable Non-Stick Bipolar Forceps LP (Low Profile) Tips				
8135025S	8.5" / 21 cm	3.5"	0.25 mm	1
8135050S	8.5" / 21 cm	3.5"	0.5 mm	1
8135100S	8.5" / 21 cm	3.5"	1 mm	1
8135200S	8.5" / 21 cm	3.5"	2 mm	1
8145025S	9.5" / 24 cm	4.5"	0.25 mm	1
8145050S	9.5" / 24 cm	4.5"	0.5 mm	1
8145100S	9.5" / 24 cm	4.5"	1 mm	1
8145200S	9.5" / 24 cm	4.5"	2 mm	1
8155025S	10.5" / 25 cm	5.5"	0.25 mm	1
8155050S	10.5" / 25 cm	5.5"	0.5 mm	1
8155100S	10.5" / 25 cm	5.5"	1 mm	1
8155200S	10.5" / 25 cm	5.5"	2 mm	1
Isocool® Disposable Non-Stick Bipolar Forceps GL (Greater Line of Sight) Tips				
823510GL	8.5" / 21 cm	3.5"	1 mm	1
Isocool® Insulated Reusable Handle				
8010010H	-	-	-	1

Codman® Reusable Bipolar Forceps

Your Partner in Simplicity

BUILT FROM CODMAN®'S 50 YEARS OF EXPERIENCE INNOVATING THE FIELD OF ELECTROSURGERY, THE CODMAN® REUSABLE BIPOLAR FORCEPS PORTFOLIO HELPS YOU OPTIMIZE YOUR SURGICAL PERFORMANCE IN A VARIETY OF NEUROSURGICAL PROCEDURES.

B
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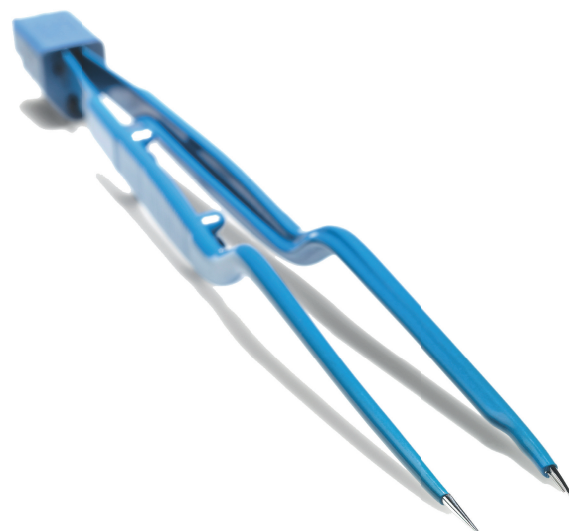
Extensive Offering

Broad offering of reusable forceps to **accommodate a wide range of neurosurgical procedures:**

- Irrigating & non-irrigating
- Insulated & non-insulated
- Stainless steel & titanium
- Bayonet & straight handles
- Several handle sizes (from 4" to 9" ; 10 to 23 cm)
- Several tip sizes (from 0.25 to 1.5 mm)

Non-Stick Coagulation

- Advanced manufacturing process applied to the working tips enhances the mirror finish, and highly polished working tips offer an extremely smooth finish **to reduce sticking and charring.**
- Materials from which the forceps are made are inherently hard **to help minimize abrasion and damage during normal use.**
- Insulated forceps shaft protects the surrounding tissue **when performing deep procedures.**



Good Visibility

- Irrigation pipe is recessed into the right blade of the forceps **to increase the surgeon's visibility at the tip.**
- Bayonet handles enhance visibility by keeping the surgeon's hand farther from the line of sight.

Order Information: Please contact your INTEGRA® Sales Representative.

Codman® Bipolar Forceps Accessories

Accomodate your Bipolar Forceps Needs

BUILT FROM CODMAN®'S 50 YEARS OF EXPERIENCE INNOVATING THE FIELD OF ELECTROSURGERY, THE CODMAN® BIPOLAR ACCESSORIES ARE AVAILABLE TO CONNECT WITH ELECTROSURGERY GENERATORS.

A wide range of bipolar cords are available to accomodate your bipolar forceps needs.

- + Reusable or Disposable.
- + Any cord can be used with Codman® bipolar forceps.

Order Information:

SKU	Description	SU/RU*	Codman VersaTru®	Isocool®	Codman® Reusable Forceps
801186	Bipolar Cord, Reusable, Fixed Lead	Reusable	✓	✓	✓
801188	Bipolar Cord, Disposable, Sterile, Unitized Plugs	Disposable	✓	✓	✓
9190001RP	CODMAN Disposable Cord and Tubing Set, Fixed Leads, Rotary Pump	Disposable			✓ (irrigated)
9190002RP	CODMAN Disposable Cord and Tubing Set, Flying Leads, Rotary Pump	Disposable			✓ (irrigated)
9190001GF	CODMAN Disposable Cord and Tubing Set, Fixed Leads, Gravity Feed	Disposable			✓ (irrigated)
9190002GF	CODMAN Disposable Cord and Tubing Set, Flying Leads, Gravity Feed	Disposable			✓ (irrigated)

*SU = single use / RU = reusable

Codman® Electrosurgical Generator and Irrigator System

Next-Generation Innovation From The Global Leader in Neurosurgery

BUILT FROM CODMAN®'S 50 YEARS OF EXPERIENCE INNOVATING THE FIELD OF ELECTROSURGERY, THE CODMAN GENERATOR AND IRRIGATOR SYSTEM IS ENGINEERED FOR CONTROLLED ENERGY DELIVERY TO REDUCE STICKING AND CHARRING.¹



Controlled Energy Delivery to Reduce Sticking and Charring¹:

- Adaptive Power
- Targeted Coagulation
- Precise Energy Selection

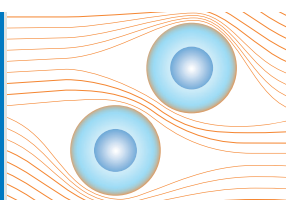
Adaptive Power

Generator output is adjusted automatically to optimize power delivery based on varying tissue impedance.

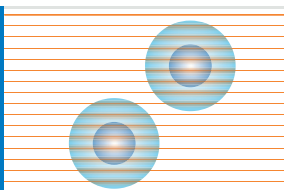
Targeted Coagulation

4MHz high frequency waveform delivers energy to the intracellular space* to coagulate tissue.

Conventional Electrosurgical Units²:
Energy concentrates between cells heating the outside in.



Targeted Energy Delivery:
Energy is delivered evenly through the cell membrane.



Precise Energy Selection

Enhanced surgeon control is provided through 1 watt power-level adjustment.

¹- When used with Codman forceps

²- under 1 MHz

* Mark Ulbrich, Lisa Röthlingshöfer, Axel Cordes, Steffen Leonhardt, RWTH Aachen University, Chair for Medical Technology (MedIT), Aachen, Germany
«Simulation of Electromagnetic Fields for Impedance Measurements in Medical Engineering»

Ease of use

Color Code

+ Visualization for CUT and COAG settings thanks to the blue and yellow color code.

User Friendly Interface

+ Intuitive interface with indicator lights for a simple to use system designed for surgeons and nurses.



Bipolar & Monopolar Functionality

+ CUT and COAG operating modes designed for use with bipolar and monopolar forceps for increased versatility.

Accessories



Irrigation Module

+ Possible use of irrigating forceps due to a rotary pump module, including flow setting and flow direction visualization

Order Information:

SKU	Product Description
901001ESUO	Codman Electrosurgical Generator Only
901001IRRO	Codman Electrosurgical Irrigator Only
901001FPED	Codman Electrosurgical System Footpedal Only
901001CPED	Codman Electrosurgical Circular Pedal
901001CBL1	Codman Electrosurgical System Irrigation Cable

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 Disposable Non-Stick Bipolar Forceps



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Isocool®
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Your Partner in Simplicity
Codman®
 Reusable Bipolar Forceps

Controlled Energy Delivery to Minimize Thermal Spread

Codman® Electrosurgical Generator and Irrigator System



Indications For Use

Codman® VersaTru® Standard and Slim Disposable Non-Stick Bipolar Forceps are intended for use in electrosurgery for coagulation of tissue.

The **Isocool® Bipolar Forceps** (handles and tips) when used as part of a system including a bipolar electrosurgical generator are indicated for cauterizing, coagulating, grasping and manipulating tissue during general surgery, neurosurgery, ENT surgery, OB/GYN surgery, and maxillofacial/ plastic surgery procedures. The **Isocool® Bipolar Forceps** are also indicated for cauterizing, coagulating, grasping and manipulating soft tissue during spine surgery and orthopedic surgery.

Codman® Reusable Bipolar Forceps are indicated for use in any surgical procedure that requires tissue coagulation and/or cauterization to achieve hemostasis. They are indicated for use in general surgery, neurosurgery, urology and nephrology.

Codman® Electrosurgical Generator is indicated for use for cutting and coagulation of soft tissue in neurosurgical procedures.

Codman® Electrosurgical Irrigator is indicated to provide flow of irrigation fluid to the tips of bipolar irrigating forceps during electrosurgery.

Contraindications

Codman® VersaTru® Standard and Slim Disposable Non-Stick Bipolar Forceps: Resterilization of used product by the customer. Use for contraceptive coagulation of fallopian tube tissue.

The Isocool® Bipolar Forceps (handles and tips): use for contraceptive coagulation of fallopian tube tissue.
Codman® Reusable Bipolar Forceps: Do not use for other indications than the ones specified in the instructions for use.


Codman® Electrosurgical Generator: To avoid the risk of burns, electric shock, or damage to metal implants, which may result in serious harm or death, do not use the Codman Generator in the monopolar mode on patients with active metal implants.

Codman® Electrosurgical Irrigator: Do not use for other indications than the ones specified in the instructions for use.

- Non contractual document. The manufacturer reserves the right, without prior notice, to modify the products in order to improve their quality.
- Consult product labels and inserts for any indications, contraindications, hazards, warnings, precautions, and instructions for use.

For more information or to place an order, please contact:

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 2590 Bristol Circle, Unit 1
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 Codman VersaTru Manufacturer
 Integra LifeSciences Switzerland Sarl
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 Le Locle ■ Neuchâtel CH-2400 ■ Switzerland

 Isocool®, Codman® Electrosurgical Generator and Irrigator and
 Codman® Reusable Bipolar Forceps Manufacturer
 Integra LifeSciences Production Corporation
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 Mansfield ■ MA 02048 ■ USA