



Argon Beam Coagulation in Orthopaedics

Achieve rapid, superficial hemostasis while minimizing blood loss and tissue damage with precise argon beam coagulation and dissection.



ConMed
Clinical Information

To learn more about this and other innovative products,
call **1-800-448-6506** or visit **ConMed.com**.



Dr. Brett Levine, M.D.

Assistant Professor and
Residency Director,
Rush University Medical Center

I routinely use ABC technology effectively for intraoperative blood management for TKA and THA procedures. In TKA, it affords rapid hemostasis on the knee capsule and meniscal attachment sites during surgery. In THA, it's useful for dissection through the fascia, capsule and short external rotators (posterior approach) by blowing the blood away while cauterizing potential bleeding vessels. The use of Argon gas to deliver RF energy prevents oxidation (thereby causing less charring) and limits tissue damage with minimal smoke plume, yielding the potential for improved healing.

Additionally, the non-contact coagulation of bend-a-beam malleable handpiece (TKAs) and low profile of dissecting electrode on the angled 45° hand-piece (THAs) provides uninhibited visualization. With rising health care device costs, ABC technology offers potential clinical benefits at the fraction of cost of other competing products.”

– Dr. Brett Levine, M.D.

Why Rely on ABC Technology for Your Total Joint Procedures?

Helping achieve fast hemostasis and enhanced clinical effectiveness, our innovative ABC Technology with its dissecting electrodes combines the benefits of rapid, no-contact argon beam coagulation with direct contact argon beam tissue dissection for a truly precise, controlled and optimal clinical experience.

How Does ABC Technology Work?

The ABC Technology with its breadth of handpieces focuses RF energy into a directional cooler beam of argon gas. This creates a reticulum of arc tunnels that are uniform in diameter, depth and distributed evenly on the tissue. In addition to convenience and flexibility, ABC Technology provides a wide range of clinical benefits:

Rapid, Superficial Hemostasis

The argon gas clears the surgical site of blood and other fluids to allow dissection and coagulation directly on the stroma of target tissue, reducing carbonization. This rapid hemostasis can result in less blood loss, less OR time and improved eschar integrity – helping reduce the costs and risks associated with transfusions.

Clear Visualization

The argon gas carries surgical smoke away from the field of view while also reducing unpleasant odors. It further improves clinical visualization by helping to clear the surgical site of blood and other fluids.

Less Tissue Damage

Argon gas flowing over the dissecting electrode may also help to cool tissue at the perimeter of the intended cut. This combination of argon gas with tungsten electrode provides a blend of cut and coagulation effects that may result in cleaner cut with hemostasis. The shallow and consistent depth of the thermal effect further helps to reduce the chance of sloughing and post-op bleeding while enhancing healing.

Reduced Risk of Infection

The low depth and uniformity of the thermal effect may limit thermal spread and may result in less necrosis – which is believed to help lower the risk of post-operative infections.



Dr. Robert F. Weiss, M.D.

Orthopaedic Surgeon
Jefferson Regional Medical Center

“The Argon Beam Coagulation technology is my preferred choice for primary TKA and THA procedures because it provides rapid hemostasis limiting intra-operative blood loss. The use of directional cool argon gas provides multiple clinical benefits that are important to total joints procedures such as blowing the blood away while coagulating precisely on the target tissue, eliminating floating eschar and enabling non contact superficial coagulation that limits tissue damage and improves tissue healing. I have several ABC handpieces at a fraction of cost compared other comparable devices that I can choose from and that cater to my clinical needs. The use of ABC technology for total joints is definitely a right choice for me.”

– Dr. Robert F. Weiss, M.D.



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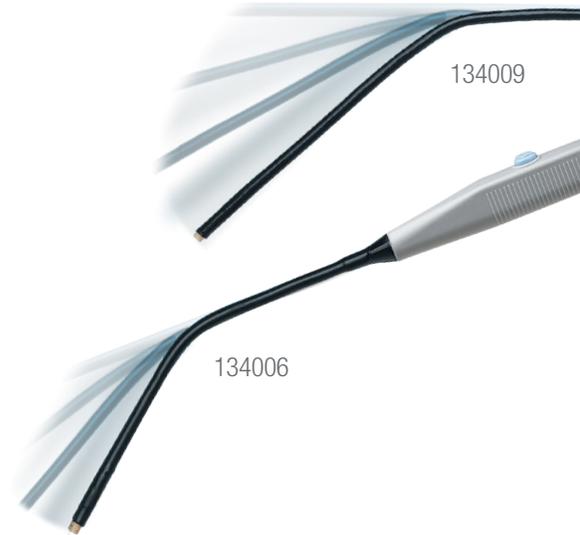
130345

ARGON
BEAM
TECHNOLOGY



139331

139330



134009

134006

Ordering Information

Description	Notes	Quantity	Catalog Number
ABC® Dissecting Blade Electrode	Converts Argon Beam Coagulation® only to Argon Beam Dissect	20/case	139330
ABC® Dissecting Blunt Needle Electrode	Converts Argon Beam Coagulation® only to Argon Beam Dissect	20/case	139331
3" (7.6cm) Bend-A-Beam Malleable ABC® Handpiece	Single Function Handpiece with 10' (3.05m) Cord. Allows use of monopolar ABC® coagulation only.	10/case, 1/pkg	134003
6" (7.6cm) Bend-A-Beam Malleable ABC® Handpiece	Single Function Handpiece with 10' (3.05m) Cord. Allows use of monopolar ABC® coagulation only.	10/case, 1/pkg	134006
9" (22.8cm) Bend-A-Beam Malleable ABC® Handpiece	Single Function Handpiece with 10' (3.05m) Cord. Allows use of monopolar ABC® coagulation only.	10/case, 1/pkg	134009
Angled (45°) ABC® Foot Control Handpiece	Handpiece with 10' (3.05m) Cord. Allows use of monopolar ABC® coagulation only. Can be used with ABC® Dissecting Electrodes.	10/case	130345

All products are single use, sterile.

Customer Service: 1-800-448-6506
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