



Introducing

Quantum™ 2

COBLATION®

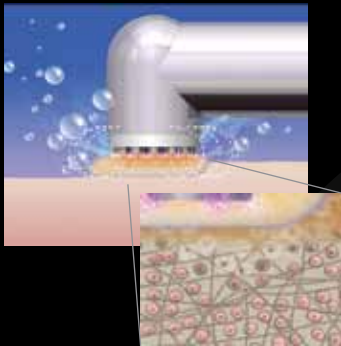
For Intelligent Arthroscopy

The Quantum 2 Difference

ArthroCare® invented Coblation® technology for arthroscopic surgery, and as the leading innovator of radiofrequency solutions, no one understands the science or technology better. Our engineers have taken everything we've learned for more than 15 years and over 6 million procedures to create the Quantum 2 Controller, our revolutionary new Coblation platform. Coblation technology takes arthroscopic surgery to an entirely new level by giving you the control you need to handle whatever you find, in every joint you treat.

How Coblation Technology Works Low Temperature Plasma Excision

Coblation technology uses a controlled, non-heat driven process in which bipolar radiofrequency (bRF) energy excites the electrolytes in a conductive medium, usually saline solution, to create a precisely focused and charged plasma gas. The energized particles in the plasma have sufficient energy to break the organic molecular bonds within tissue, causing tissue to dissolve at relatively low temperatures (between 40°C and 70°C). Because radiofrequency current does not pass directly through tissue during the Coblation process, tissue heating is minimal. The result is volumetric removal of the target tissue with minimal damage to surrounding healthy tissue.



During the Coblation process, high voltage is applied to the conductive medium (usually saline) located between the electrode and the tissue. The high voltage converts the fluid into an ionized vapor layer (plasma).



The plasma contains excited particles that accelerate toward the tissue and break the tissue's organic molecular bonds. At relatively low temperatures (between 40°C and 70°C), the tissue disintegrates molecularly (not explosively) into simple molecules, such as small hydrocarbons and gases (oxygen, nitrogen, carbon dioxide, etc.) that are removed from the site with suction, resulting in controlled tissue removal.

The Quantum 2 Controller is the most dynamic radiofrequency generator platform we've created. When paired with our Multi-Electrode ArthroWand® devices, the Quantum 2 Controller delivers state-of-the-art performance for fast, efficient procedures. The Quantum 2 Controller offers a unique set of features permitting you to focus on a successful surgical outcome.

Efficient Ablation, Intelligent Features



Multi-Electrode Technology.™ The ArthroWand portfolio offers a full range of Multi-Electrode wands. These wands form a stable plasma layer, contributing to fast ablation and responsive performance.



Hand Control Capability. Supports wands with Integrated Finger Switches (IFS) providing an alternate means of activating ablation and coagulation function as well as ablate set point adjust.



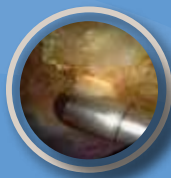
Temperature Feedback. The Ambient® Wand Collection provides accurate, real-time temperature measurements of the irrigant by using visual and audio indicators when used in conjunction with the Quantum 2 Controller.



Wireless Footswitch. The Quantum 2 Controller is compatible with a wireless foot control which eliminates the tangle of controller wires for unsurpassed convenience and ease of use.



Adjustable Coagulation. The new enhanced coagulation mode improves visualization when tough bleeders are encountered.



Automatic Scope Saver. The Quantum 2 Controller automatically suspends radiofrequency output when wands are in close proximity to contact metal, and automatically resumes radiofrequency output when the wands have returned to a proper distance.



Integrated TOPAZ® Timer. When using TOPAZ ArthroWand devices, the Quantum 2 Controller defaults to the optimal power and timer settings, automatically delivering the precise dose.

Comprehensive Wand Technologies

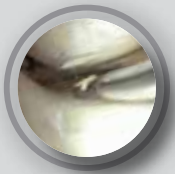
The flexible and versatile Quantum 2 Controller in conjunction with our expanding portfolio of suction wands were designed to meet all of your arthroscopic sports medicine needs. Our extensive line of ArthroWand devices offers the widest variety of angles and electrode configurations available. Whether you're debriding articular cartilage in the knee, performing hip arthroscopy, or treating a tendon, Coblation technology and our innovative ArthroWand devices are the best choice for the most demanding procedures.

The Right Tools for Every Indication



Hip Arthroscopy

SideWinder® Blade, the first articulating bipolar hip Wand, incorporates a rotating shaft that is deflectable up to 100° enabling unmatched access in the joint space. MultiVac® 50 XL and TurboVac® 90 XL offer the length desirable for hip ablation. The ArthroWand Hip Collection provides rapid removal of synovial tissue and necessary sculpting precision for acetabular labral tissue.



Chondroplasty

Paragon T2® is the only bipolar radiofrequency Wand clinically designed for the debridement of articular cartilage. Temperature Technology, or T2, provides a real-time visual indicator when the temperature exceeds the recommended 50° C.



Tendon Treatment

TOPAZ Microdebrider® devices are designed for the minimally invasive treatment of tendons, allowing precise surgical technique for reliable outcomes. The small tip helps to preserve tissue structure.

The ArthroWand Collection

ArthroCare's steady stream of innovations continues to advance arthroscopy performance. Our portfolio of ArthroWand devices includes tools for shoulder, knee, hip, ankle, elbow, wrist, and tendon procedures.



StarVac™ 90



Super TurboVac® 90



UltraVac™ 90



TurboVac® 90



LoPro® 90



Super MultiVac® 50



CoVac® 50



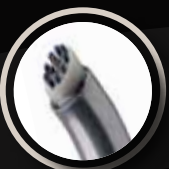
CoVac 70



TriStar® 50



MeniVac® 45



Bevel 45



CAPSure® 30



Microblator® 30



TOPAZ MicroDebrider



CoVator® 20



SideWinder®



Eliminator™ 90



Dome 60



Saber™ 30



Paragon T2

Count on ArthroCare For Leadership and Innovation

For more than 15 years, ArthroCare has been the leading innovator in radiofrequency solutions for arthroscopic surgery. No one understands the technology better. No one provides a broader range of solutions. No one has an organization so dedicated to these systems. Let us show you the difference the Quantum 2 Controller and Coblation technology can make for your practice.

Give us a call at 800-797-6520 or visit us online at quantumcoblation.com



ArthroCare Sports Medicine
680 Vaqueros Avenue
Sunnyvale, CA 94085-3523
main phone 408-736-0224
order entry **800-797-6520**
order entry Fax 888-994-2782
arthrocaresportsmedicine.com

ArthroCare Europe AB
Skeppsbron 2
111 30 Stockholm
Sweden
phone +46 8 546 172 00
fax +46 8 546 172 39
info@arthrocare.se

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