



Flat electrode screen, slim shaft and 50° tip -
all available to AMBIENT[◊] technology

 **smith&nephew**
SUPER
MULTIVAC[◊] 50
COBLATION[◊] Wand

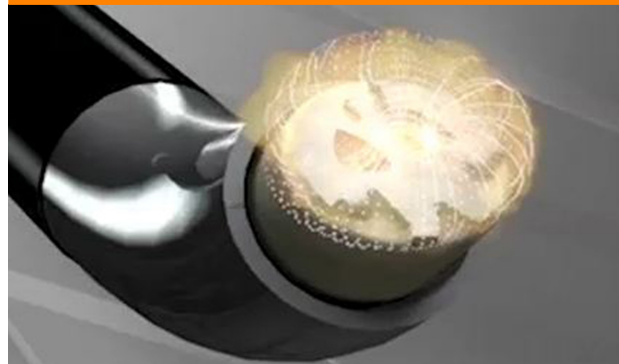


COBLATION[◇] technology

The term COBLATION means “controlled ablation.” To date, over 8 million procedures have been successfully performed utilizing COBLATION technology to ablate and coagulate tissue.

The COBLATION process involves the creation and application of an energy field called “glow discharge plasma.” This plasma ablates tissue through a chemical process as highly-energized particles in the plasma break down molecules in the tissue. COBLATION technology provides two distinct advantages to the surgeon:

- COBLATION technology operates at lower temperatures than other radio-frequency (RF)-based technologies.
- The 100µm – 200µm plasma field allows for precise removal of soft tissue with minimal damage to untargeted tissue.



Plasma field formation



COBLATION plasma technology on soft tissue

QUANTUM[◇] 2 system key features

Ambient technology

Ours is the only arthroscopic system that offers real-time temperature monitoring of the intra-articular fluid.

Controller output

Smith and Nephew Controllers use a unique RF output which allows them to deliver the correct amount of power to create plasma. Energy delivery is optimized to provide fast and effective plasma formation while minimizing the dissipation of thermal energy in the joint.

Unique waveform

Smith and Nephew Controllers use a unique waveform that delivers fast ablation speed. The waveform has a sharp leading edge that requires less time to generate plasma and therefore allows more time for active ablation.

Scope safety feature

Smith and Nephew Controllers include proprietary circuits that continuously monitor the energy and automatically suspend the output when there is a spike in current, such as when the Wands are in close proximity to or in contact with metal.

SUPER MULTIVAC[◇] 50 COBLATION[◇] Wands

The Super MultiVac 50 COBLATION Wand family provides precise tissue removal for ACL debridement, articular cartilage debridement and meniscal sculpting procedures. The Super MultiVac 50 COBLATION Wand is available in three varieties:

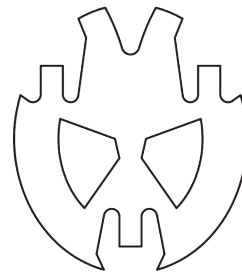
SUPER MULTIVAC 50	ASC4830-01
SUPER MULTIVAC 50 with Integrated Finger Switches (IFS)	ASH4830-01
AMBIENT [◇] SUPER MULTIVAC 50 IFS	ASHA4830-01

Key features

- Flat electrode design provides precise tissue removal designed to provide access to compact anatomy
- The slim shaft and 50 degree tip of the SUPER MULTIVAC 50 Wand are designed to provide access to compact anatomy

Ambient technology

The AMBIENT SUPER MULTIVAC 50 device provides accurate real-time temperature monitoring of the intra-articular fluid. The temperature of the fluid is continuously displayed on the LCD screen of the Controller. When the temperature within the joint space exceeds the user selected set point, visual and audible alarms will emit from the Controller, providing direct feedback to the surgeon.



SUPER MULTIVAC 50 screen



COBLATOR II Controller

Suggested indications

- ACL debridement
- Meniscectomy
- Articular cartilage debridement
- Synovectomy
- Labrum resection

Technical specifications

COBLATION Wand	AMBIENT [®] SUPER MULTIVAC [®] 50 IFS	SUPER MULTIVAC 50 IFS	SUPER MULTIVAC 50
Controller	QUANTUM [®] 2 System ONLY	QUANTUM and QUANTUM 2 System	ATLAS [®] and QUANTUM Systems
Recommended ablation set point*	7	7	7
Tip diameter	3.0mm	3.0mm	3.0mm
Shaft diameter	3.75mm	3.75mm	3.75mm
Temperature accuracy	+/- 3° C	n/a	n/a

Please refer to the Instructions for Use (IFU) packaged with the product for a complete list of warnings, precautions and contraindications.

- * The SUPER MULTIVAC 50 COBLATION Wand is designed for use up to five minutes of cumulative active ablation time at the default set point 7. Excessive use and/or use of set points above the default may reduce the life expectancy of the Wand.

Ordering information

AMBIENT SUPER MULTIVAC 50 Family

Reference #	Description
ASHA4830-01	AMBIENT SUPER MULTIVAC 50 WAND WITH INTEGRATED FINGER SWITCH (IFS)
ASH4830-01	SUPER MULTIVAC 50 WAND WITH INTEGRATED FINGER SWITCH (IFS)
ASC4830-01	SUPER MULTIVAC 50 WAND

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