Pioneering a new standard of COBLATION technology

Combining COBLATION™ technology with FLOW~IQ™ technology to remove tissue with remarkable speed and precision.
COBLATION™ technology

More than:
10,000,000 procedures.¹
20 years of innovation.
5 years of product development.
One new system.

Unparalleled performance
FLOW~IQ™ wands for the WEREWOLF system take ablation speed and precision to a new level.
• The new FLOW 50™ COBLATION wand removes tissue approximately 4 times faster and at lower temperatures than our market-leading 50 degree wand.²
• Precisely treats tissue with minimal discoloration, while preserving delicate tissue structures such as articular cartilage and meniscus.³,⁴

True versatility
The WEREWOLF system enables surgeons to treat various pathologies while minimizing instrument exchanges.
• A single wand features 5* distinct operating modes, including VAC mode which quickly clears debris and optimizes visibility.
• Intuitive touch screen and customized surgeon profiles simplify user experience.
• Compatible with 18-pin QUANTUM™ 2 wands

Absolute confidence
The WEREWOLF system provides a family of features designed to optimize patient safety.
• Enhanced AMBIENT™ technology with two-zone monitoring provides accurate, real-time temperature of the intra-articular fluid.
• FLOW~IQ integrated suction tubing eliminates the need to connect separate outflow tubing to the wand.
• New Scope-Sensing technology provides a high level of protection for expensive surgical equipment.
• COBLATION technology is backed by nearly two decades of market leadership, technical expertise, and scientific research.

* Excludes QUANTUM™ ablation mode


WEREWOLF™

FLOW~IQ™
The WEREWOLF® COBLATION® system with FLOW~IQ® technology is the first and only platform to automatically optimize both energy delivery and saline flow, setting a new standard of performance, versatility, and confidence in arthroscopic resection.

Unparalleled performance
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The technologies of the WEREWOLF\textsuperscript{\textregistered} system

**COBLATION\textsuperscript{\textregistered} technology**

COBLATION technology means 'controlled ablation.' 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.

**FLOW~IQ\textsuperscript{\textregistered} technology**

Flow matters. Intra-articular fluid flow and wand suction influence wand performance. The first of its kind, FLOW~IQ technology provides automated wand suction to optimize performance across tissue types.

• FLOW~IQ technology changes the size and intensity of the plasma field based on desired tissue effects.

• Enables VAC mode or insert the joint and debris, which is useful in arthroscopic procedures.

**AMBIENT\textsuperscript{\textregistered} technology**

Smith & Nephew offers real-time temperature monitoring of the intra-articular fluid in arthroscopic procedures. The WEREWOLF system takes AMBIENT technology to a whole new level with enhanced capabilities.

• New two-zone monitoring measures both the intra-articular fluid temperature and outflow temperatures within the hand piece.

• When the temperature in the joint space exceeds the user selected set point, the controller will emit visual and audible alarms, providing direct feedback to the surgeon.

**SCOPE-SENSING\textsuperscript{\textregistered} technology**

Exclusive to the WEREWOLF system, Scope-Sensing technology allows the surgeon to work more freely around sensitive arthroscopic equipment.

• Proprietary circuits detect when a wand is in close proximity to metal and automatically suspend energy delivery.

• When a safe distance is achieved, COBLATION energy will automatically resume.
**COBLATION° technology**
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COBLATION technology provides two distinct advantages to the surgeon:
- COBLATION technology operates at lower temperatures than other radio-frequency (RF)-based technologies.\(^8\)
- The 100μm – 200μm plasma field allows for precise removal of soft tissue with minimal damage to untargeted tissue.\(^9\)

**FLOW~IQ° technology**
Flow matters. Intra-articular fluid flow and wand suction influence wand performance. The first of its kind, FLOW~IQ technology provides automated wand suction to optimize performance across tissue types.
- FLOW~IQ technology changes the size and intensity of the plasma field based on desired tissue effects.\(^10\)
- Enables VAC mode to rinse the joint and clear debris – with a simple push of a button.\(^6\)

**AMBIENT° technology\(^6\)**
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**SCOPE-SENSING° technology\(^7\)**
Exclusive to the WEREWOLF system, Scope-Sensing technology allows the surgeon to work more freely around sensitive arthroscopic equipment.
- Proprietary circuits detect when a wand is in close proximity to metal and automatically suspend energy delivery.
- When a safe distance is achieved, COBLATION energy will automatically resume.
Operating modes for every tissue type

Three COBLATION™ modes are designed to produce specific ablation speeds and tissue effects, and can be fine-tuned with + and – settings. Changing modes is seamless via either finger switches or foot pedal.

VAC mode is new to the WEREWOLF™ system and enables surgeons to rinse/lavage the joint without changing instruments. When the wand detects loose debris, COBLATION energy is activated to quickly break down and remove the tissue.

- **Lo**: recommended for chondroplasty
- **Med**: recommended for medium-speed tissue removal
- **Hi**: recommended for rapid removal of tissue
- **Vac**: rinse and remove loose tissue, debris, and bubbles
- **Coag**: recommended for hemostasis
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Subacromial Decompression
Chondroplasty
Meniscectomy
For ordering information, please contact your Smith & Nephew Sales Representative.

References
1. This figure was calculated by capturing the number of COBLATION wands sold during the timeframe of July 2008 – May 2016. (P/N 81915)
2. Smith & Nephew data on file P/N 53303-01. The results of in-vitro simulation testing have not been proven to predict clinical performance. Compares AMBIENT SUPERMULTIVAC™ 50 (set point 9) to WEREWOLF FLOW 50 (Vac model).
3. Smith & Nephew data on file P/N 54952-01. The results of in-vitro simulation testing have not been proven to predict clinical performance.
4. Smith & Nephew data on file P/N 52918-01. The results of in-vitro simulation testing have not been proven to predict clinical performance.
5. Smith & Nephew WEREWOLF User manual (P/N 64999)
6. Smith & Nephew FLOW 50 IFU (P/N 65994)
7. Smith & Nephew WEREWOLF User manual (P/N 64999)
10. Smith & Nephew data on file P/N 69761 page 27.

Disclaimer
Please see the instructions for use for each product for a complete list of indications, warnings, precautions and other important medical information.

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