

### How Forerunner Plasma Radiofrequency Technology Works

ForeMed 360 System 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 sphere. 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). 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. Because radiofrequency current does not pass directly through tissue during the ablation process, tissue heating is minimal. The result is volumetric removal of the target tissue with minimal damage to surrounding healthy tissue.

### Notable Features

- Temperature is controlled between 40-70°C which reduce healthy tissue damage and the recovery time
- Precisely tissue targeting and excellent controlled depth in accuracy of 100µm
- Working timer system included
- Error message on screen for wrong connection / alert monitor for equipment failure
- Self-correcting radiofrequency output when electrode tip close to adjacent tissues

### ForeMed 360 System and Accessories

- ForeMed 360 Generator
- Footswitch
- Power Cord

### Technical Data

- Input voltage: 110~240 VAC
- Operating frequency: 110 kHz
- Operating mode: Resection (1-9 Level), C level (Coagulation)
- Output voltage range: 0~330 Vrms @ 110 kHz
- Maximum output power: 300W @ 300 ohms
- Safety standard: IEC60601-1, IEC60601-2-2, IEC60601-1-2





# Forerunner

## Sports Medicine

### For Arthroscopic Surgery

- Meniscectomy
- Lateral Release
- ACL/PCL Debridement (Notchplasty)
- Articular Cartilage Debridement (Chondroplasty)
- Synovectomy/Plica Removal
- Ligament/Tendon Coagulation
- Subacromial Decompression
- Frozen Shoulder Release
- Rotator Cuff Resection
- Bursectomy
- Glenoidale Labrum
- Labral Tear Resection
- Tendon Debridement
- Capsular/Ligament/Tendon Coagulation
- TFCC-Wrist
- Ligament Excision

Forerunner Sports Medicine electrodes portfolios designed for resection, ablation and coagulation of soft tissues and hemostasis of blood vessels in orthopedic and arthroscopic procedures.



## Responsive Advancements:

- Unmatched versatility of electrodes
- Bipolar radiofrequency: easy-to-use and safety
- Excellent active vs. return distance ratio
- High volume suction hole
- Insulation with high electric strength maintain selectric activity at tip

## Proven Performance

- Minimal invasive technique
- A relatively low temperature (40-70°C) with minimal thermal damage to surrounding healthy tissue
- Low complication rate
- Significant pain relief
- Multi-functional, combining ablation, suction and coagulation
- Multielectrode array form a stable plasma layer contributing to responsive performance

## Electrodes Collection



FA C01-1535



FA C01S-1535



FA C02-1535



FA C02S-1535



FA C05-1535



FA C07-1335



FA C08-1345



FA C09-1330



FA C11S-1330

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