

## Ordering Information

### Generator

406-900-000 MultiGen Radiofrequency Generator

### Electrodes

406-815-005 50mm Monopolar Nitinol Electrode  
406-815-010 100mm Monopolar Nitinol Electrode  
406-815-015 150mm Monopolar Nitinol Electrode  
406-815-020 200mm Monopolar Nitinol Electrode

### Monopolar Cannulae

Straight  
406-620-015 50mm, 22 Gauge, 5mm Active Tip (10/pkg)  
406-620-020 50mm 22 Gauge, 7.5mm Active Tip (10/pkg)  
406-620-040 50mm 22 Gauge, 4mm Active Tip (10/pkg)  
406-620-110 100mm, 22 Gauge, 2.5mm Active Tip (10/pkg)  
406-620-115 100mm, 22 Gauge, 5mm Active Tip (10/pkg)  
406-620-125 100mm, 22 Gauge, 10mm Active Tip (10/pkg)  
406-620-215 150mm, 22 Gauge, 5mm Active Tip (10/pkg)  
406-620-310 150mm, 20 Gauge, 2.5mm Active Tip (10/pkg)  
406-620-315 150mm, 20 Gauge, 5mm Active Tip (10/pkg)  
406-620-325 150mm, 20 Gauge, 10mm Active Tip (10/pkg)  
406-620-335 150mm, 20 Gauge, 15mm Active Tip (10/pkg)  
406-820-415 200mm, 20 Gauge, 5mm Active Tip (10/pkg)  
406-820-425 200mm, 20 Gauge, 10mm Active Tip (10/pkg)  
406-820-435 200mm, 20 Gauge, 15mm Active Tip (10/pkg)

### Curved - 22 Gauge

0406-630-050 50mm, 22 Gauge, 5mm Active Tip (10/pkg)  
0406-630-150 100mm, 22 Gauge, 5mm Active Tip (10/pkg)  
0406-630-160 100mm, 22 Gauge, 10mm Active Tip (10/pkg)

### Curved - 20 Gauge

406-630-010 50mm, 20 Gauge, 2.5mm Active Tip (10/pkg)  
406-630-015 50mm, 20 Gauge, 5mm Active Tip (10/pkg)  
406-630-110 100mm, 20 Gauge, 2.5mm Active Tip (10/pkg)  
406-630-115 100mm, 20 Gauge, 5mm Active Tip (10/pkg)  
406-630-125 100mm, 20 Gauge, 10mm Active Tip (10/pkg)  
406-630-135 100mm, 20 Gauge, 15mm Active Tip (10/pkg)  
406-630-215 150mm, 20 Gauge, 5mm Active Tip (10/pkg)  
406-630-225 150mm, 20 Gauge, 10mm Active Tip (10/pkg)  
406-630-235 150mm, 20 Gauge, 15mm Active Tip (10/pkg)  
406-830-415 200mm, 20 Gauge, 5mm Active Tip (10/pkg)  
406-830-425 200mm, 20 Gauge, 10mm Active Tip (10/pkg)  
406-830-435 200mm, 20 Gauge, 15mm Active Tip (10/pkg)

### Curved - 18 Gauge

406-840-115 100mm, 18 Gauge, 5mm Active Tip (10/pkg)  
406-840-125 100mm, 18 Gauge, 10mm Active Tip (10/pkg)  
406-840-215 150mm, 18 Gauge, 5mm Active Tip (10/pkg)  
406-840-225 150mm, 18 Gauge, 10mm Active Tip (10/pkg)

### Accessories

406-850-100 Hand Controller  
406-850-105 Connecting Cable  
406-750-000 Intradiscal Lesion (IDL) Cable  
406-850-200 Monopolar Return Electrode Cable  
406-001-000 Sterile Bag for Hand Controller  
406-650-205 Self-Adhesive Neutral Electrodes, Patient Plate (25/pkg)  
406-650-400 Sterilization Box, Lightweight  
406-650-405 Sterilization Box, Heavy Duty  
406-900-100 MultiGen Cable  
406-900-200 MultiGen Identification Tags (4/pkg)

### Self-Grounding Series (SGS) NiTRODE™ Electrodes

406-915-805 50mm Electrode  
406-915-810 100mm Electrode  
406-915-815 150mm Electrode

### Self-Grounding Series (SGS) Cannulae

#### Curved SGS Cannula REF 406-935 Series

406-935-050 50mm, 20 Gauge, 5mm Active Tip (10/pkg), Used w/406-915-805 NITRODE  
406-935-110 100mm, 20 Gauge, 10mm Active Tip (10/pkg), Used w/406-915-810 NITRODE  
406-935-115 100mm, 20 Gauge, 15mm Active Tip (10/pkg), Used w/406-915-810 NITRODE  
406-935-150 100mm, 20 Gauge, 5mm Active Tip (10/pkg), Used w/406-915-810 NITRODE  
406-935-210 150mm, 20 Gauge, 10mm Active Tip (10/pkg), Used w/406-915-815 NITRODE  
406-935-215 150mm, 20 Gauge, 15mm Active Tip (10/pkg), Used w/406-915-815 NITRODE  
406-935-250 150mm, 20 Gauge, 5mm Active Tip (10/pkg), Used w/406-915-815 NITRODE

#### Straight SGS Cannula REF 406-925 Series

406-925-050 50mm, 20 Gauge, 5mm Active Tip (10/pkg), Used w/406-915-805 NITRODE  
406-925-110 100mm, 20 Gauge, 10mm Active Tip (10/pkg), Used w/406-915-810 NITRODE  
406-925-150 100mm, 20 Gauge, 5mm Active Tip (10/pkg), Used w/406-915-810 NITRODE  
406-925-210 150mm, 20 Gauge, 10mm Active Tip (10/pkg), Used w/406-915-815 NITRODE  
406-925-215 150mm 20 Gauge, 15mm Active Tip (10/pkg), Used w/406-915-815 NITRODE  
406-925-250 150mm, 20 Gauge, 5mm Active Tip (10/pkg), Used w/406-915-815 NITRODE

stryker®

## Joint Replacements

## Trauma, Extremities, Deformities

## Craniomaxillofacial

## Spine

## Biologics

## Surgical Products

## Neuro & ENT

## Interventional Spine

## Navigation

## Endoscopy

## Communications

## Imaging

## Patient Handling Equipment

## EMS Equipment

The information presented in this brochure is intended to demonstrate the breadth of Stryker product offerings. Always refer to the package insert, product label and/or user instructions before using any Stryker product. Products may not be available in all markets. Product availability is subject to the regulatory or medical practices that govern individual markets. Please contact your Stryker representative if you have questions about the availability of Stryker products in your area.

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\* Information current as of 7.24.08

Stryker Interventional Spine

RF Radiofrequency

# MultiGen™

One machine. Four lesions.  
**Multiple options.**



For techniques used in minimally invasive pain treatment.

# MultiGen

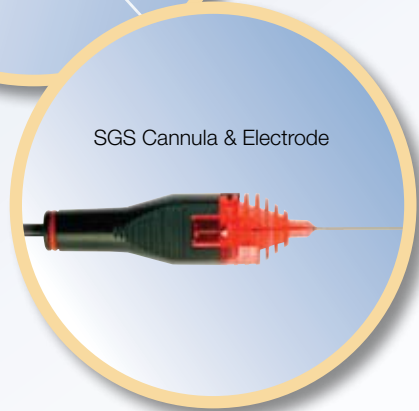
stryker®



Hand Controller



Nitinol Electrode



SGS Cannula & Electrode

The Stryker RF Generator offered the industry's first user friendly, full-touch screen. Our commitment to provide physicians with advanced tools and techniques for reducing patient pain resulted in further innovations. The new Stryker MultiGen is the only radiofrequency generator on the market able to handle up to 4 lesions simultaneously and with independent control. With multiple options for customizing procedures, MultiGen also features software safety checks, self-grounding needles, and monopolar nitinol electrodes. Each are industry benchmarks and all are exclusive to Stryker.

Unmatched capabilities.  
Unsurpassed simplicity.



Performance and quality define not only our products, but our entire way of doing business. That's why at Stryker, we don't just make promises, we deliver results.

## Responsive.

The procedure customization you require.

### Multi-Lesioning

- Handles up to 4 lesions simultaneously and with independent control **Unique to Stryker\***
- Offers multiple start option as well as an individual start option to deliver RF energy
- Performs monopolar and bipolar procedures at the same time
- Accommodates thermal and pulsed procedures at the same time
- Reduces overall procedure time

### Parallel Bipolar

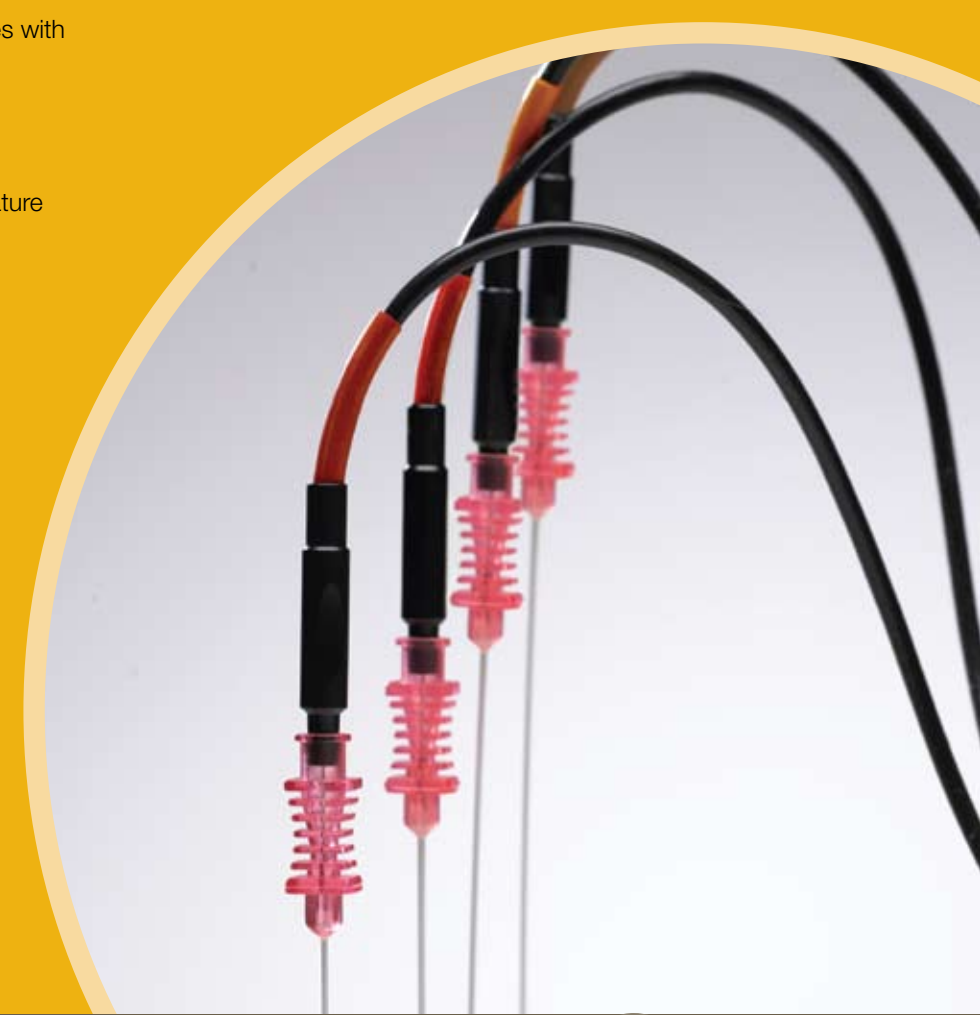
- Allows 2 parallel bipolar procedures to be performed simultaneously
- Features option to perform thermal and pulsed procedures at the same time
- Reduces overall time of SI joint procedures with larger lesions

### Intradiscal Lesioning (IDL)

- Offers pre-programmed time and temperature step profiles
- Allows time and temperature adjustments on the fly

### Procedures

- Facet Denervation
- Medial Branch Rhizotomy
- Sacroiliac Denervation
- Percutaneous Chordotomy
- Dorsal Root Entry Zone (DREZ) Lesions
- Peripheral Neuralgia
- Trigeminal Neuralgia
- Ramus Communicans



MultiGen

# Easy-to-use.

The convenience you want.



## Touch Screen

- Provides the industry's first and only full-touch screen **Unique to Stryker\***
- Offers intuitive, easy-to-read interface
- Features color-coded workflow: sensory, motor, lesion, IDL
- Supports future software upgrades\*\*

## Saved Settings

- Allows user to save procedure-specific information
- Offers multiple customized physician settings
- Allows information to be stored for each needle placement during procedure
- Displays procedure information to review or print

## Intelligent Recognition

- Recognizes electrode and heats accordingly
- Automatically differentiates procedure type: monopolar, SGS (Self-Grounding Series), and IDL

## Hand Controller **Unique to Stryker\***

- May be used in sterile field
- Gives physicians direct control of procedure
- Allows clear view of MultiGen screen
- Lets staff control procedure from a distance, focusing attention on patient and physician



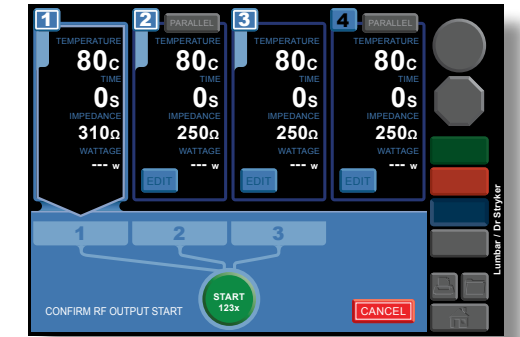
\*\* Additional cost may be associated with a software or hardware upgrade

# Precise.

The accuracy you demand.

## Software Safety Checks

- Has double-start safety feature, helping to eliminate chance of inadvertent starts
- Automatically controls temperature for every cannula
- Performs temperature safety checks throughout the procedure
- Provides Best-in-Class dual temperature measurement and control for bipolar procedures



## Waveform Technology

- Uses the patented DualWave™ waveform technology
- Delivers controlled lesions

## Pulsed Mode

- Provides 6 pulsed settings
- Offers high temperature pulsed radiofrequency

## Self-Diagnostic Test

- Digitally displays self-diagnostic test when MultiGen is turned on
- Helps verify internal components, software, and connected accessories are working properly

## Troubleshooting

- Displays the source of the issue on screen
- Identifies and shuts down problem electrode without interrupting procedure
- Provides troubleshooting options



# MultiGen

# Reliable.

## The quality components you need.

### Monopolar Cannulae

- Maneuver and glide easily
- Match electrodes via color-coding
- Offered straight or curved in a variety of lengths and gauges
  - o Lengths: 50mm, 100mm, 150mm, and 200mm
  - o Gauges: 18, 20, and 22

### Monopolar Nitinol Electrodes **Unique to Stryker\***

- Made of Nickel-Titanium “memory” metal
- Sets the standard for durability: withstands everyday handling
- Available in color-coded lengths: 50mm, 100mm, 150mm, and 200mm
- Comes with standard 6-month warranty

### Self-Grounding Series (SGS) Cannulae & Electrodes **Unique to Stryker\***

- Eliminates need for ground pad
- Offers coaxial bipolar cannulae with localized energy control
- Made of Nickel-Titanium “memory” metal
- Available in color-coded lengths: 50mm, 100mm, and 150mm

### MultiGen Cable

- Supports multi-lesion and parallel bipolar procedures
- Reduces overall time of SI joint procedures with larger lesions

### Intradiscal Lesion (IDL) Cable

- Supports intradiscal procedures
- Connects to AcuTherm™ and SpineCath™ catheters

### Warranty

- Comes with standard 1-year warranty and 6-month warranty on all cables
- Features extended service options
- Offers a loaner program

200mm Monopolar Nitinol Electrode

150mm Monopolar Nitinol Electrode

100mm Monopolar Nitinol Electrode

50mm Monopolar Nitinol Electrode

SGS Nitrode Electrode

SGS Cannula & Electrode

MultiGen Cable

Intradiscal Lesion Cable





SpineCath™ is a registered trademark of Oratec Interventions Inc., USA

AcuTherm™ is a registered trademark of Smith & Nephew, USA

**Stryker Interventional Spine**

**RF** Radiofrequency

#### Specifications\*\*\*

<b>Model:</b>	REF 406-900 RF MultiGen
<b>Size:</b>	12.5 in. [317.5mm] width 8 in. [203.2mm] height 15 in. [381mm] depth
<b>Weight:</b>	18 lbs. [8.2 kg]
<b>Equipment Type:</b>	 Class 1, Type BF Applied Part
<b>Power Supply:</b>	100 - 120 V~ 50 - 60 Hz 230 V~ 50 Hz 50 watt maximum power into 100 ohm resistive load
<b>Enclosure Protection:</b>	IPX0 Ordinary Equipment
<b>Protective Earth Ground:</b>	
<b>Duty Cycle:</b>	 999 sec ON, 90 sec OFF
<b>Approvals:</b>	CSA International UL 60601-1: 2003  CAN/CSA - C22.2 No. 601.1 M90: 2003 BS EN 60601-1: 1997
<b>Display Screen:</b>	5.5 in. x 8 in. LCD, wide 160° minimum viewing angle
<b>Impedance:</b>	Measurement range: 0 ohm - 2000 ohms Accuracy: Below 100 ohms ± 30 ohms; above 100 ohms ± 10% Operating range: 35 ohms < stimulation < 1800 ohms; 35 ohms < lesion < 1800 ohms
<b>Temperature:</b>	RF procedure: Accuracy +4 ° -2° C from 37 ° to 95 ° C IDL procedure: Accuracy +4 ° -2° C from 37 ° to 95 ° C
<b>Lesion Time:</b>	0 to 999 sec; default adjustable at system and file level
<b>RF Frequency:</b>	Conventional Heat Lesion: 1 MHz, accuracy ± 10%, DualWave™ Waveform: aperiodic damped sinusoid Pulse Mode: 1 MHz sine wave with selected pulse frequency and on time, accuracy ± 10%
<b>Stimulation Frequency:</b>	1 to 200 Hz, separate defaults for sensory and motor stimulation adjustable at system and file level
<b>Stimulation Type:</b>	Biphasic square wave, voltage or current regulated; no net DC
<b>Stimulation Pulse Width:</b>	0.1 ms < Pulse Width < 5 ms, accuracy ± 10%, separate default for sensory and motor stimulation adjustable at system and file level
<b>Stimulation Amplitude Voltage Regulation Mode:</b>	0-10 V peak; accuracy ± 10%, current limited to 20 mA
<b>Stimulation Amplitude Current Regulation Mode:</b>	0-10 mA peak; accuracy ± 10%, voltage limited to 10 V
<b>Volume Adjustment:</b>	0 dBA to 65 dBA; exceptions include alarms and lesion creation indication
<b>Printer Capability:</b>	PCL3 Compliant

\*\*\* Specifications listed are approximate and may vary slightly from unit to unit or by power supply fluctuations  
DualWave™ is a trademark of Synergetics USA, Inc.

# MultiGen