

Simple. Versatile.  
**Brilliant.**



Sonopet **iQ**  
Ultrasonic Aspirator System

Soft tissue resection / Bone resection / All-in-one system



# Sonopet

# iQ

## Simply **better**<sup>1</sup>

The Sonopet iQ system delivers even more of what our customers love. We've raised simplicity and reliability to an even higher level for consistently excellent O.R. surgical experiences. We've also added semi-autonomous functionality and customization so you can do more with the Sonopet iQ with less time and effort.<sup>1</sup>

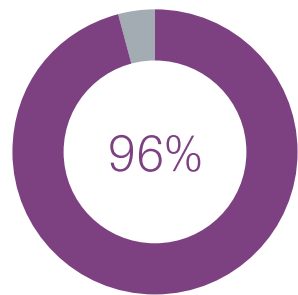
### Trusted resection and power

**367%**  
faster fibrous  
tissue resection<sup>1</sup>

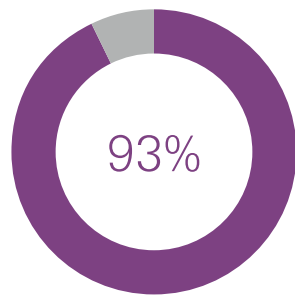
**133%**  
faster bone  
cutting<sup>1</sup>

**75%**  
more precise  
suction control<sup>2</sup>

**48%**  
faster setup time<sup>1</sup>



**setup success rate  
on first attempt by  
untrained users<sup>1</sup>**



**of ACGME facilities  
rely on Sonopet<sup>3</sup>**





# Rapid readiness for any O.R. team

## iQ Control: On-demand customized performance

Gain a new level of control with our exclusive blend of RFID technology, algorithms and other elements. These smart features are always in play, automatically adjusting and customizing settings to optimize performance throughout your entire procedure.

## iQ Connect: RFID-enabled intelligence transfer

Create and store your custom user profile once, and it's ready to engage when you are. With RFID technology, your preference data for peripheral devices (e.g., tips, handpiece and irrigation cassette) is instantly transmitted to the console, effortlessly activating the exact settings you want.

iQ control and iQ connect

iQ control and iQ connect

**RFID technology** instantly changes settings based on connected tip or user profile

**Faster resection and more power<sup>4</sup>**

**Large touchscreen** interface

**Precise settings** for power, suction and irrigation at lower levels

**Unparalleled customization**  
One-step retrieval of surgeon profile  
Can start the case using **surgeon's defaulted profile**

**Independent or synchronized settings** for power, suction and irrigation

**Hand controller** for remote control from sterile or non-sterile field



**Pulse Control's** hard and soft tissue algorithms optimize Sonopet iQ's existing ultrasonic energy and cavitation, then modulate energy dose to the tip, creating waveforms that tailor resection performance<sup>4</sup>

Pulse Control, toggle on/off feature for quick change in pulse control settings

**Designed for controlled suction pinch valve** with ability for reduced suction around critical structures<sup>4</sup>

**Integrated irrigation cassette** eliminates exterior wheel and tube threading

**Soft tissue/bone cutting tips and tubing** all compatible with the same handpiece

**Front facing connections** with color-changing feedback; port light signals proper setup

**One-step connections** for irrigation, suction, tubing and sleeve

**Irrigation** integrated into the handpiece to improve visibility and control<sup>4</sup>



**Three foot pedal options;**  
Basic Foot Pedal  
Advanced Foot Pedal  
Advanced Wireless Foot Pedal

**Intuitive setup;**  
all components labeled or color coded, and steps are non-sequential



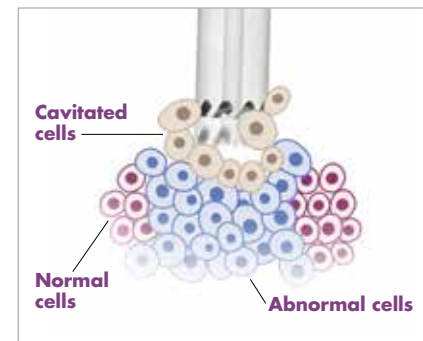
# Gain Stryker's advantage



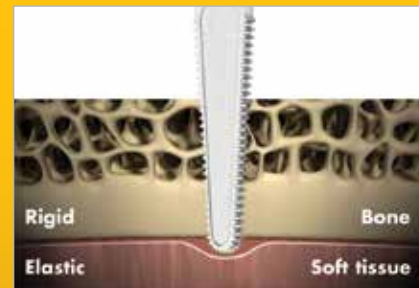
## Proprietary Longitudinal Torsional (LT) Technology<sup>4</sup>



Couples longitudinal with torsional vibration for a 25,000x per second non-rotational motion that cuts bone without affecting soft tissue.



Emulsifies hydrous soft tissue (tumor, fat, parenchyma) without impacting vital anhydrous tissue such as vessels, nerves and tendons.



Resects rigid bone or hard tissue while surrounding elastic soft tissue vibrates away from the cutting tip.



Helical reliefs redirect the ultrasonic energy from purely longitudinal to combined torsional component so tissue distal to the tip is unaffected by cavitation.

## Unmatched tip offering

**16 tips** to handle soft tissue, fibrous tissue and bone cutting all in one handpiece

**Various lengths, diameters, tip styles** and frangible sections for adjustable surface exposure

**RFID technology** recognizes tip and adjusts to the ideal settings

**Improved resonance tracking** per tip type (better bone cutting and fibrous tissue resection)<sup>4</sup>

**Complete tip is visible** inside the unopened packaging

**New Broad Knife tip is our broadest and thickest tip for enhanced power to cut bone.**

## Versatility and value

Versatility optimizes your opportunities and your return on investment. So we've designed Sonopet iQ as a multi-functional system to address clinical and administrative needs. In this manner, we strive to maintain your satisfaction far beyond the initial sale.

### In the O.R.

- One console serves multiple specialties
- One handpiece compatible with soft tissue/bone tips and tubing
- Only one system to learn; reduces staff training and potential user errors
- Unmatched simplicity; readiness with any O.R. team
- New customization
- Proprietary Longitudinal Torsional (LT) Technology
- Semi-autonomous RFID system optimization
- More features, speed and power than ever before
- Fast setup and resection for smooth case flow<sup>4</sup>
- Consistently excellent surgical experiences<sup>4</sup>

### And beyond

- Flex Financial customizable acquisition options
- Onsite implementation and training
- Year-round education and training options
- Localized ProCare Services; 250+ technicians nationwide



# We're in this together

We share a goal to make healthcare better. Pairing your clinical expertise with our innovative procedural solutions – plus supportive customer service, continuing education and financial acquisition options – can help us jointly achieve this goal.

## Test your iQ

Experience Sonopet iQ system's features and benefits first hand. For a demo or more information, call your Neurosurgical sales representative or **800 253 3210**. You may also learn more at [neurosurgical.stryker.com](http://neurosurgical.stryker.com).

1. All comparative metrics and claims are Sonopet iQ compared to Sonopet 1. Stryker internal test data on file.
2. Sonopet iQ has improved suction control for delicate resection rates with 75% lower achievable pressure settings compared to the first generation Sonopet. Stryker internal data.
3. The Sonopet Ultrasonic Aspirator is currently being used in 104 out of 112 ACGME teaching institutions in the U.S. Stryker internal data on file.
4. Stryker data on file

## Ordering information

### Capital

Part number	Product description
5500-050-000	Sonopet iQ Ultrasonic Aspirator Console (includes power cord, irrigation pole and hand controller)
5500-255-000	Sonopet iQ Universal Angled Handpiece
5500-800-278	Sonopet iQ Sterilization Tray
5500-402-000	Sonopet iQ Hand Controller
5500-006-000	Sonopet iQ Basic Foot Pedal - Wired
5500-007-000	Sonopet iQ Advanced Foot Pedal - Wired
5500-008-000	Sonopet iQ Advanced Foot Pedal - Wireless (includes wireless receiver)
5500-008-300	Sonopet iQ Wireless Receiver
5450-800-039	Sonopet Torque Wrench, 7mm
5450-850-410	Sonopet Cart
5500-050-410	Pulse Control Software

### Disposables

Part number	Product description
5450-851-012	Suction Canister, 12/box
5500-573-000	Sonopet iQ Irrigation Suction Cassette, 4/box
5500-472-000	Sterile Drape, 4/box

Soft tissue tips, 4/box		L	OD	ID	WL
5500-25S-309	12cm iQ Micro	4.7in	1.6mm	1.2mm	4.25mm
5500-25S-307	12cm iQ Standard	4.5in	1.92mm	1.5mm	4.25mm
5500-25S-308	12cm iQ Large	4.7in	2.49mm	2mm	4.25mm
5500-25S-301	20cm iQ Standard	8.1in	1.92mm	1.5mm	3.8mm
5500-25S-310	12cm iQ Barracuda	4.5in	1.92mm	1.5mm	4.25mm
5500-25S-316	12cm iQ Serrated Large	4.6in	2.51mm	2mm	4.2mm
Bone cutting tips, 4/box		L	CL	CW	WL
5500-25B-315	12cm iQ Micro Claw	4.8in	1.6mm	2mm	12.25mm
5500-25B-318	12cm iQ Claw	4.8in	1.7mm	2.8mm	12.25mm
5500-25B-317	12cm iQ 120 Claw	4.8in	2.58mm	3.15mm	12.25mm
5500-25B-312	12cm iQ Apex 360	4.8in	2.58mm	3.15mm	12.25mm
5500-25B-302	20cm iQ Apex 360	7.9in	2.5mm	3.15mm	11.05mm
5500-25B-303	18cm iQ Micro Claw	7.2in	1.6mm	2mm	12mm
5500-25B-319	18cm iQ Apex Micro Claw	7.2in	1.6mm	2mm	12mm
5500-25B-107	11cm iQ Knife	4.2in	11.6mm	.83mm	15.25mm
5500-25B-114	11cm iQ Apex Knife	4.2in	12mm	.83mm	15.6mm
5500-25B-110	10cm iQ Broad Knife	3.98in	8.2mm	1.4mm	25mm

Removal of the frangible sleeve adds 7.5mm to working lengths. On 5500-25B-114 and 5500-25B-107 there are 2 frangible sleeves meaning their working length can be increased by 7.5mm or 15mm. For 5500-25B-110 10cm iQ Broad Knife there is no frangible section on the sleeve.

## Neurosurgical

This document is intended solely for the use of healthcare professionals. A surgeon must always rely on his or her own professional clinical judgment when deciding whether to use a particular product when treating a particular patient. We do not dispense medical advice and recommend that surgeons be trained in the use of any particular product before using it in surgery.

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