The most efficient ultrasonic scalpel in the world
Faster, Safer, Easier to use.

We are proud to be the only company in the world making ultrasonic scalpels that use torsional ultrasound.

This technology was the winner of the 2010 Queen’s Award for Enterprise: Innovation.
Why the need for Lotus?

All other ultrasonic scalpels work using longitudinal movement – this results in the most efficient energy being lost out of the distal tip.
Longitudinal scalpel

Whilst stray energy is lost out of the distal tip, only weak frictional energy is created between the jaws.
Torsional scalpel (Lotus)

Using torsional ultrasound, Lotus directs the powerful energy towards the target tissue – where the surgeon needs it. This rapid energy transfer makes Lotus faster, safer and easier to use.

- Powerful compression energy created where it is needed
- No stray energy lost from the tip
- Torsional movement
Faster, safer cutting

With powerful energy directed to where it is needed, the tissue proteins rapidly denature and form a seal. As the jaw closes, the central blade cuts through the tissue, resulting in fast, haemostatic transection.
The ergonomic Palm-Fit™ grip is designed for optimum balance, comfort and control.

- **Anti-slip, soft-touch rotation wheel**
- **Lotus Torsion Transducer**
- **Wrap-around activation button accommodates all hand sizes**
- **Spring-assisted, soft-touch trigger to reduce hand fatigue**
- **Power Select switch**

The ergonomic Palm-Fit™ grip is designed for optimum balance, comfort and control.
Dissecting Shears

Product description

The Dissecting Shears are designed for fast, precise haemostatic resection. Energy is directed into the target tissue, minimising thermal damage and avoiding the risks associated with distal cavitation.

This multi-purpose, 5mm instrument can reduce operating time, blood loss and surgeon fatigue, which can aid faster patient recovery.

<table>
<thead>
<tr>
<th>Model (Working length)</th>
<th>Transducer code</th>
<th>Handpiece code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bariatric 500 (44cm)</td>
<td>SV3-500</td>
<td>DS4-500SD</td>
</tr>
<tr>
<td>Laparoscopic Enhanced Shears 400 (35cm)</td>
<td>ES4-400CT</td>
<td>DS4-400CD</td>
</tr>
<tr>
<td>Laparoscopic 400 (35cm)</td>
<td>CV3-400</td>
<td>DS4-400CD</td>
</tr>
<tr>
<td>Open 200 (18cm)</td>
<td>SV3-200</td>
<td>DS4-200SD</td>
</tr>
</tbody>
</table>

Seals and cuts vessels up to 5mm in diameter
Liver Resector

The only ultrasonic shears in the world designed for resecting liver tissue. The blade is shaped to ensure maximum haemostasis for dry transection.

The Lotus Liver Resector does not have the destructive distal-drilling associated with other ultrasonic scalpels – instead it directs all its energy to the tissue within the jaw. This multi-purpose instrument reduces operating time, blood loss and surgeon fatigue.

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<th>Model (Working length)</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Laparoscopic 400 (35cm)</td>
<td>LR3-400</td>
<td>LR4-400SD</td>
</tr>
<tr>
<td>Open 200 (18cm)</td>
<td>LR3-200</td>
<td>LR4-200SD</td>
</tr>
</tbody>
</table>

Seals and cuts vessels up to 5mm in diameter.
Simplicity and ease-of-use are at the heart of the design of this compact, lightweight generator, with one button set-up and automatic handpiece recognition. The clarity of the LED screen and intuitive power dial make it user-friendly in any surgical environment.

Product Code: Generator LG4
Product description

This bespoke generator cart is specifically designed for maximum mobility and its minimal footprint saves valuable floor space in the operating room. It is small, light and comes fitted with precision bearings in the casters for silent transport.

Product Code:  Generator cart LGC
Footswitch LF4
For further information regarding Lotus, torsional technology or any of our products, please get in touch

www.lotusultrasonicscalpel.com
T +44 (0)1364 652426

Lotus designed and built by SRA Developments Ltd.
Bremridge House, Bremridge, Ashburton, Devon, TQ13 7JX, UK