

Lotus Ultrasonic Scalpel
Cutting-edge thinking



The most efficient ultrasonic scalpel in the world

**Faster,
Safer,
Easier to use.**

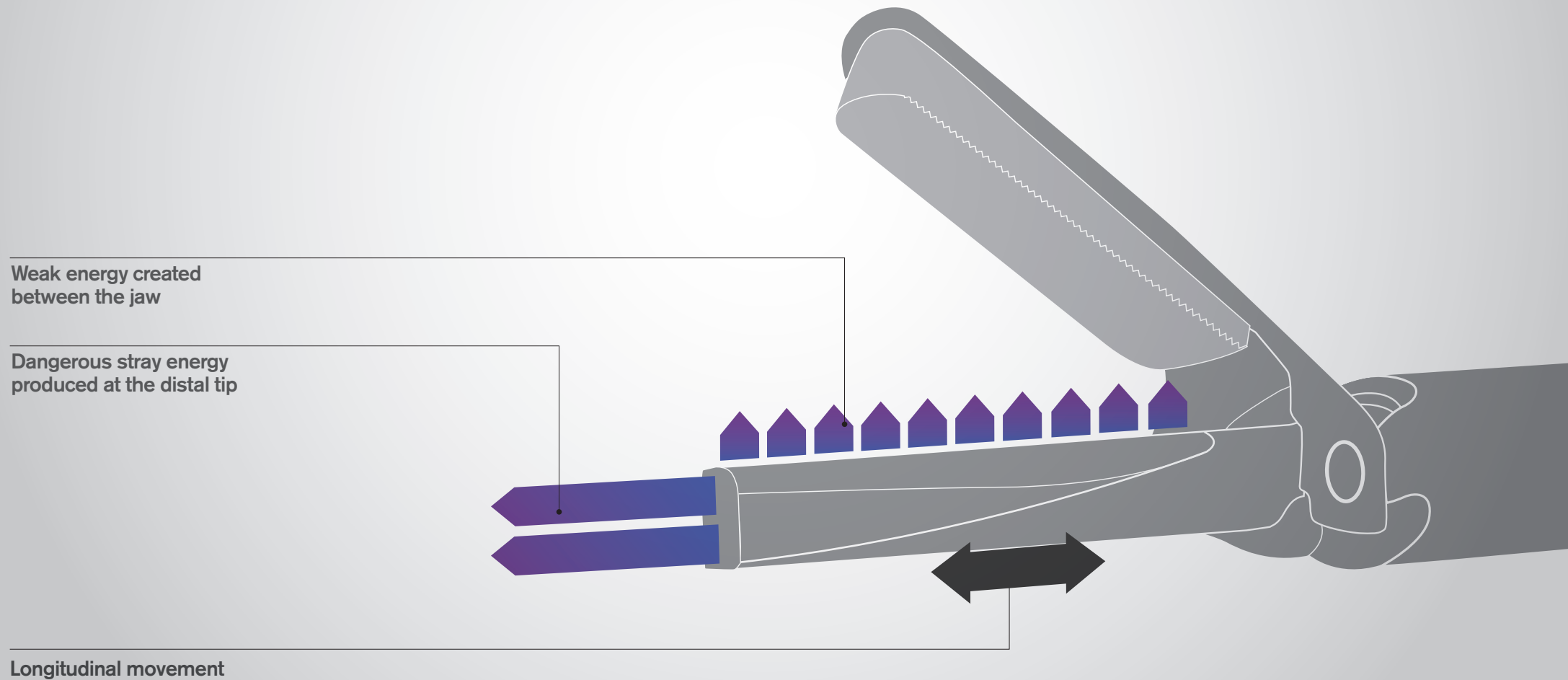
Why the need for Lotus?

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.



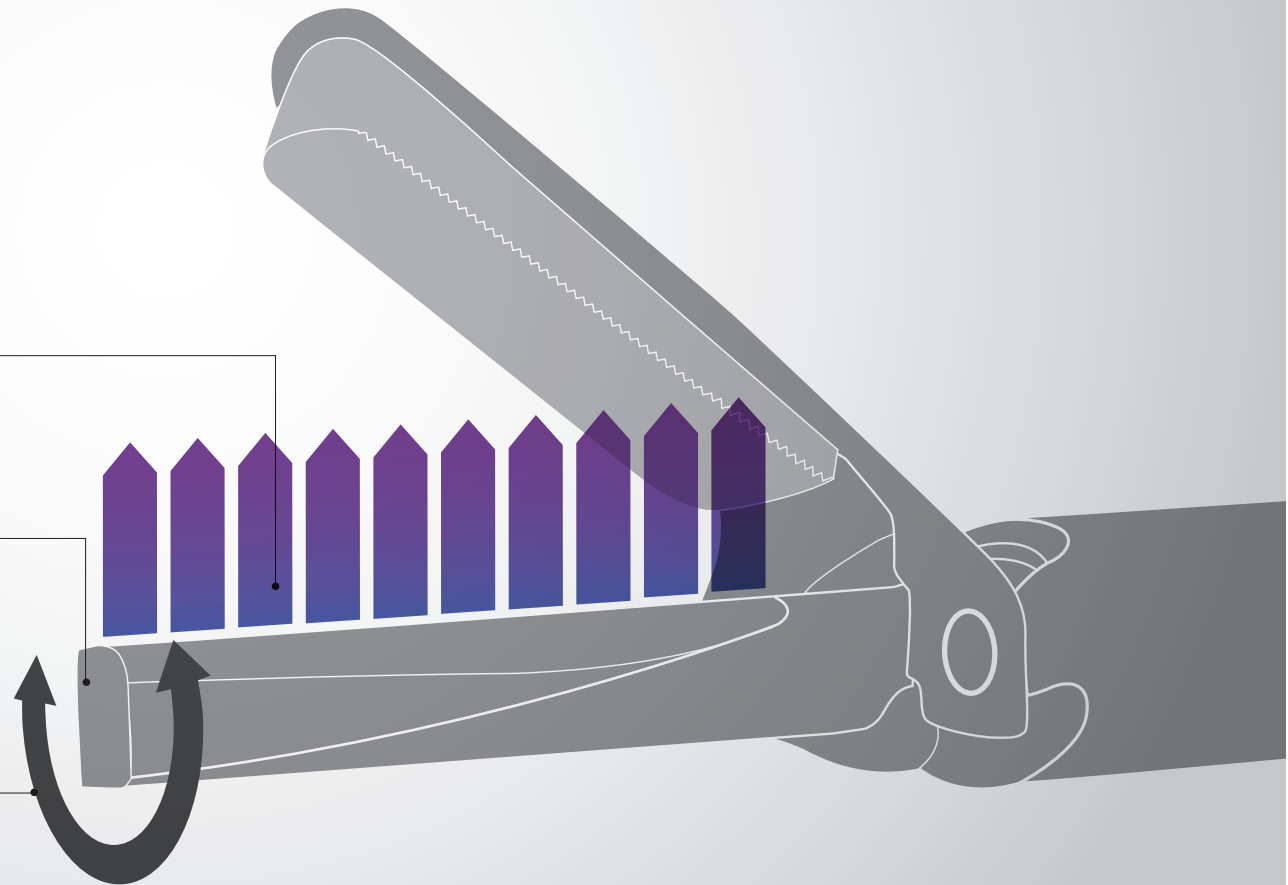
Torsional scalpel (Lotus)

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

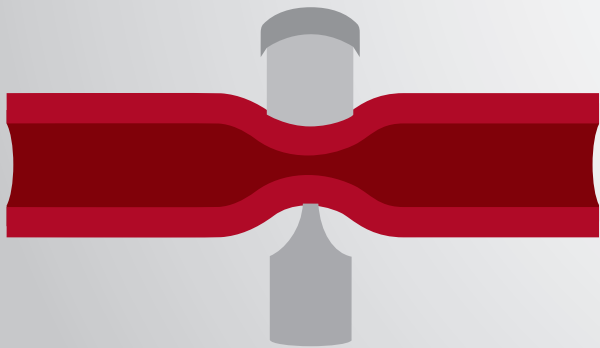
Torsional movement



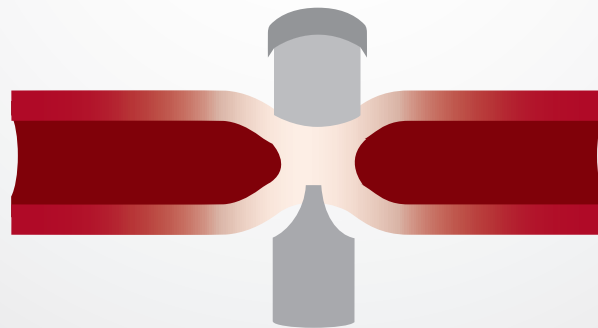
Faster, safer cutting

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.

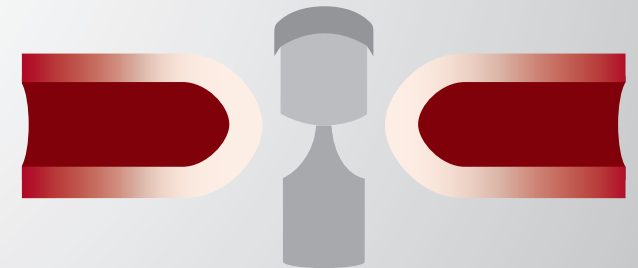
Grasp



Seal



Cut

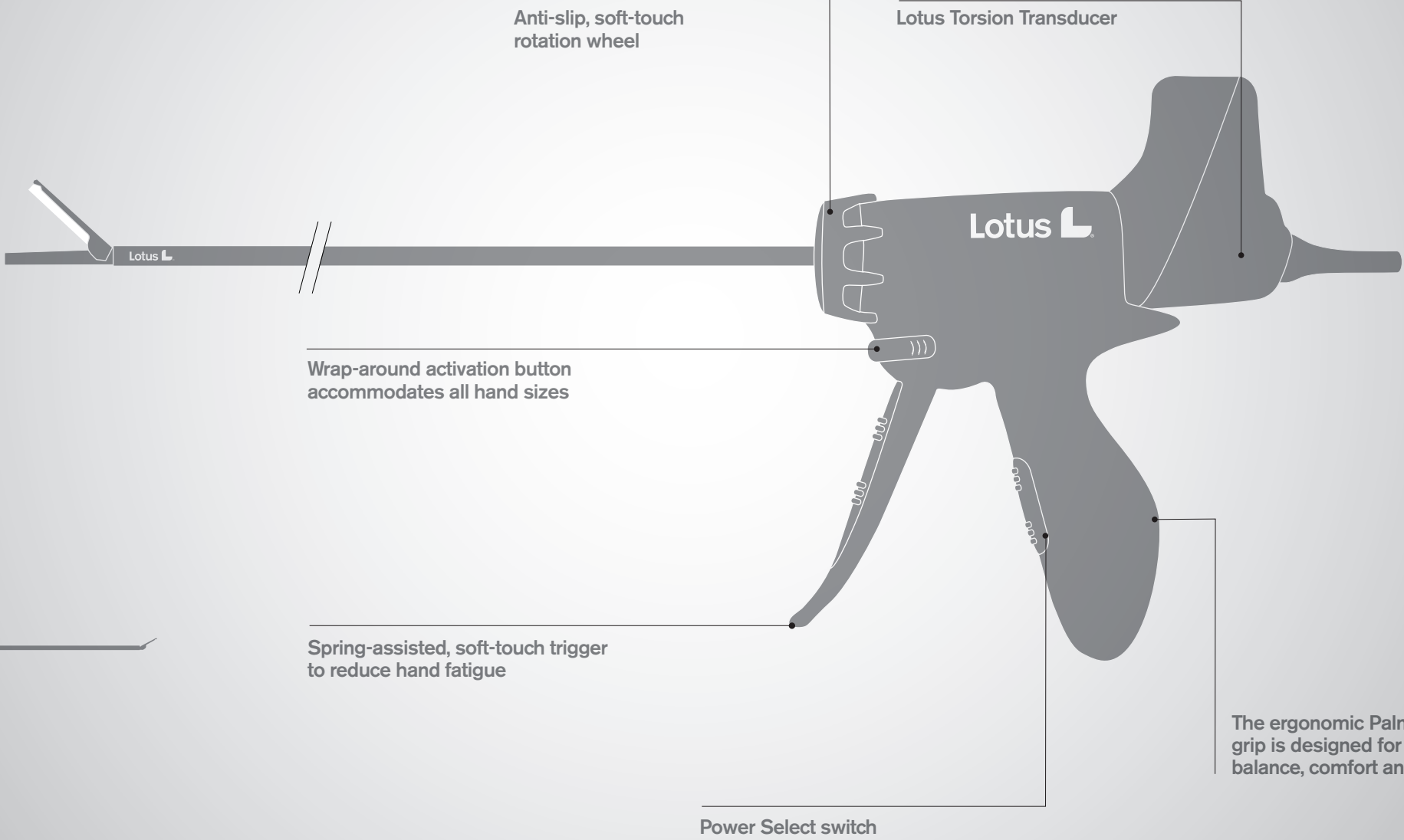


We are proud to be the only company in the world making ultrasonic scalpels that use torsional ultrasound.

This technology was the winner of the 2010 Queen's Award for Enterprise: Innovation.

Our products

Handpiece and Transducer



Handpiece



Transducer



Dissecting Shears



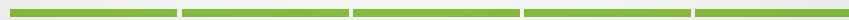
Product description

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.

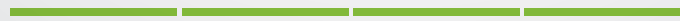
This multi-purpose, 5mm instrument can reduce operating time, blood loss and surgeon fatigue, which can aid faster patient recovery.

Model (Working length)

Bariatric 500 (44cm)



Laparoscopic 400 (35cm)



Open 200 (18cm)



Transducer code

DS4-500ST

DS4-400CT

DS4-200ST

Handpiece code

DS4-500SD

DS4-400CD

DS4-200SD

Seals and cuts vessels up to 5mm in diameter . . . ● ● ● ● ●

Liver Resector



Product description

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.

Model (Working length)	Transducer code	Handpiece code
Laparoscopic 400 (35cm) —————	LR4-400ST	LR4-400SD
Open 200 (18cm) —————	LR4-200ST	LR4-200SD

Seals and cuts vessels up to 5mm in diameter ●

Vessel Welder



Product description

This instrument is the world's first ultrasonic vessel welder. The Lotus Weld-Mode™ delivers pulsed energy to securely seal large vessels without transecting them. Once a vessel or vascular bundle is sealed, the surgeon switches to Lotus Cut-Mode™ for rapid transection.

These two distinct power settings give the surgeon more control and flexibility.

Model (Working length)

Laparoscopic 400 (35cm)



Open 200 (18cm)



Seals and cuts vessels up to 5mm in diameter



Transducer code

VW4-400ST

VW4-200ST

Handpiece code

VW4-400SD

VW4-200SD

Double Blade



Product description

The double-edged blade enables fast, haemostatic tissue sculpting for vessels up to 1.5mm. The tip profile provides flexibility for a range of cutting strokes plus spot coagulation.

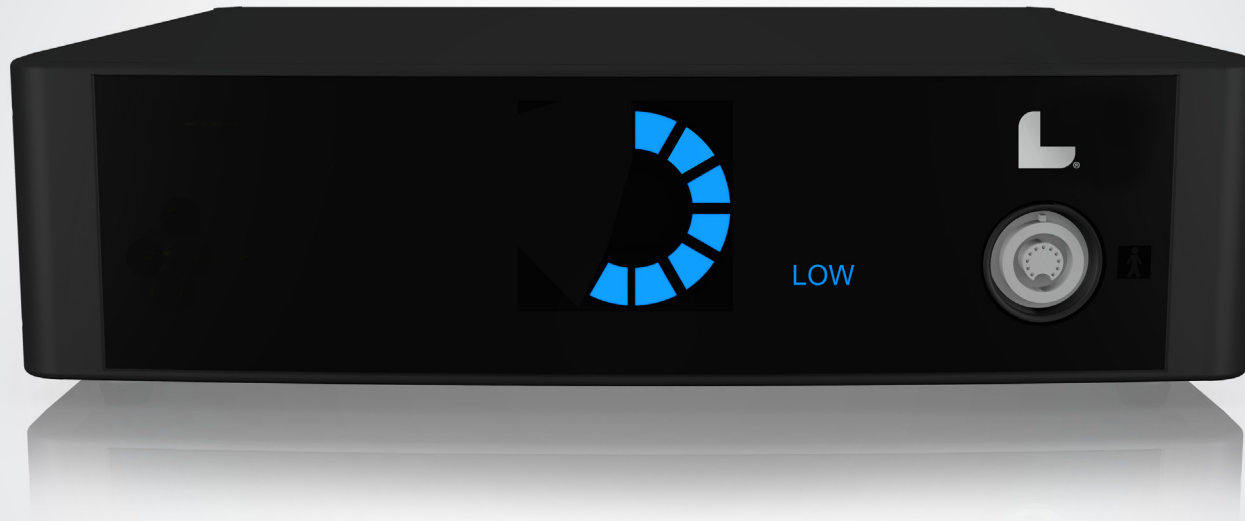
During activation the blade operates at relatively low temperatures and produces minimal smoke.

Model (Working length)	Transducer code	Handpiece code
Laparoscopic 400 (32cm)	DB4-400ST	DB4-400SD
Open 100 (12cm)	DB4-100ST	DB4-100SD

Seals and cuts vessels up to 1.5mm in diameter



Generator



Product description

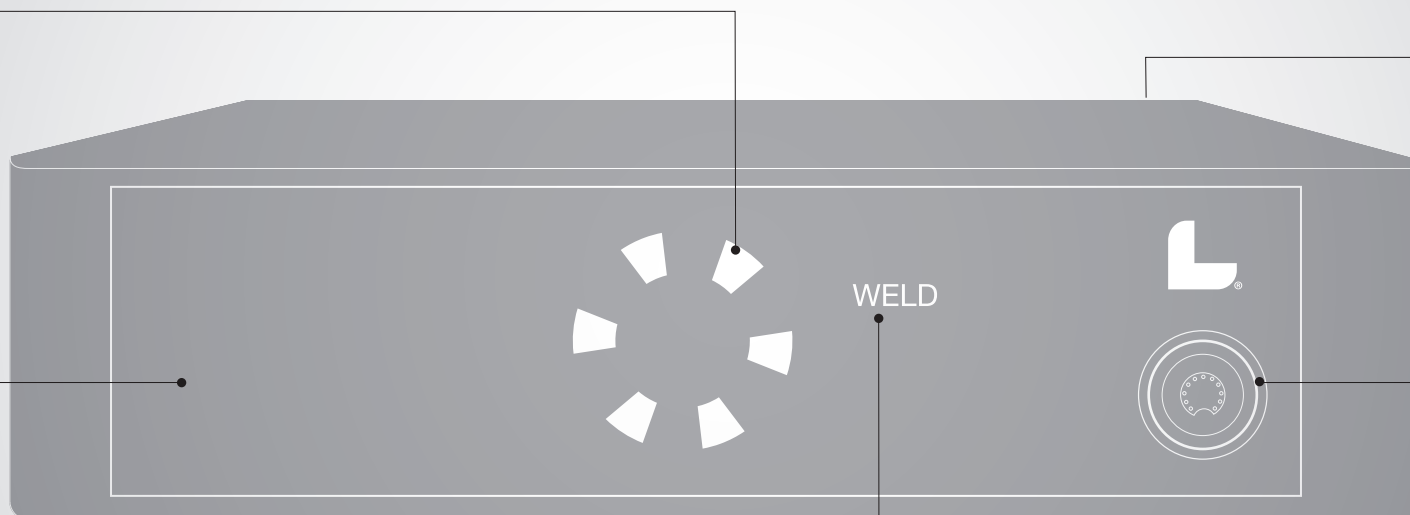
Simplicity and ease-of-use are at the heart of the design of this compact, lightweight generator, with one button set-up and automatic handpiece recognition. The clarity of the LED screen and intuitive power dial make it user-friendly in any surgical environment.

This generator includes the patented Lotus Weld-Mode™ which directs pulsed waves of ultrasound into the target tissue. This allows the surgeon to coagulate large vessels or tissue bundles without transecting them. Once sealed, the surgeon simply switches to Lotus Cut-Mode™ to quickly transect the tissue.

Generator

Intuitive power dial

Intelligent Solution
Software

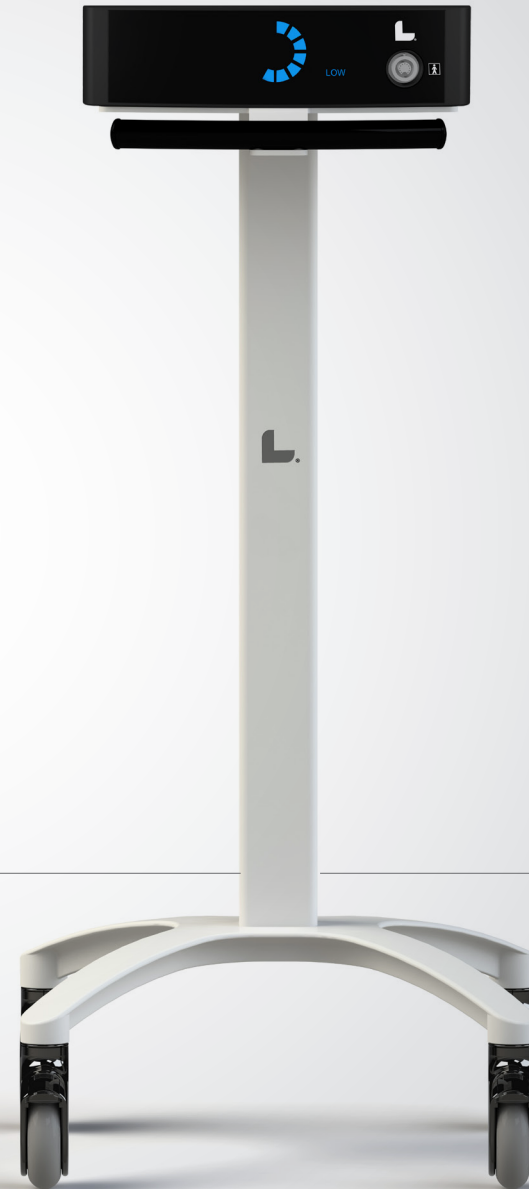


One button set-up

Automatic handpiece
recognition

Lotus Weld-Mode™

Generator cart



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.

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**For further information
regarding Lotus, torsional
technology or any of our
products, please get in touch**

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