

ForceTriad™ Energy Platform
Tomorrow's Technology Today.



Exchange & Compatibility

As the world leader in energy based therapies and surgical solutions for more than 40 years, we provide innovative technologies to surgeons worldwide.

Our dynamic portfolio of energy-based systems, devices and therapies stand as a testament to the confidence and trust that our customers have in our company.

VALLEYLAB EXCHANGE

Electrosurgical technology is progressing rapidly. Keeping the ForceTriad™ energy platform up to date with these advancements, and ensuring compatibility with future instrument developments is simple.

Multiple connectivity options allow the remote update of the ForceTriad™ energy platform via the on-line Valleylab™ exchange server.

This significantly speeds up service and minimizes downtime.

COMPATIBILITY

The ForceTriad™ energy platform is backwards compatible with most commonly available electrosurgical accessories. Not only will it deliver the latest generation of advanced energy sources, but also enhance the capabilities, or increase the safety of existing electrosurgical, allowing minimal disruption to you existing working practices.

User Interphase

Three intuitive touch screens and automatic instrument recognition mean that theatre staff will be familiar with the functions of the ForceTriad™ energy platform within minutes.





Innovation in Electrosurgery



Instruments

LigaSure™ instruments have become a useful alternative in many minimally invasive and open procedures for haemostasis, mobilization and the safe division of structures. In laparoscopic LigaSure™ instruments an integrated knife allows the fused tissues to be divided.

LIGASURE™ IMPACT

Time, Focus, Speed

For open surgical procedures e.g.

Urology: Cystectomy, Prostatatectomy

Gynaecology: TAH, VH, Wertheim

General Surgery: Low Anterior, Whipple resection, TME

Large curved jaws and integrated knife allow sealing and division of vessels and tissue bundles up to 7 mm.



LIGASURE™ ADVANCE INSTRUMENTS

LigaSure™ Advance reduces the need for changing instruments during your procedures. It will allow fusion and division of tissue bundles as with other LigaSure™ instruments, with the added benefit of tissue dissection courtesy of Valleylab™ mode. The tip of the curved jaw contains a tiny monopolar electrode enabling spot coagulation and dissection.

LIGASURE™ DISPOSABLE INSTRUMENTS (20 CM)

With integrated knife and hand activation

LS1520: 5 mm, Open Surgery

1020: 10 mm, Open Surgery



LIGASURE™ LAPAROSCOPIC INSTRUMENTS (37 CM)

Providing integrated knife and hand activation

LAP 'V' / LS1500: 5 mm, Abdominal and upper G.I. Surgery

ATLAS / LS1037: 10 mm, Abdominal

LIGASURE REUSABLE INSTRUMENTS

Cost effective surgery

STD: 18 cm long, Abdominal surgery

MAX: 23 cm long, Abdominal surgery,

Haemorrhoidectomy, Gynecology

XTD: 27 cm long, Abdominal surgery,

Vaginal hysterectomy, Cystectomy

AXS: 28 cm long, 60° jaw improves

access to structures



LIGASURE™ PRECISE

When precision is important

LigaSure™ Precise is a disposable instrument for tissue fusion in endocrine surgery, hepatobiliary, Axillary dissection.



TissueFect™ sensing technology

The computer control system behind all available modalities on the ForceTriad™ energy platform.

Assuring best suitable signal at lowest possible power level for optimal effect, even so with the Vessel Sealing system this system guards the quality of the seal and assures minimal fusion time needed.

TissueFect™ sensing technology is the brain behind the ForceTriad™ energy platform. Each second 10 million measurements are taken from the tissue, and 3333 decisions are made. To put this into perspective, Human perception starts at 150mS. So, in the time it takes for your brain to register each word on this page, the ForceTriad™ energy platform has already made 483 decisions. This is available in every modality, ensuring optimal tissue effect in the fastest and safest manner.



*Tomorrow's technology,
available today ...*

Valleylab™ mode

Excellent Hemostasis & Dissection



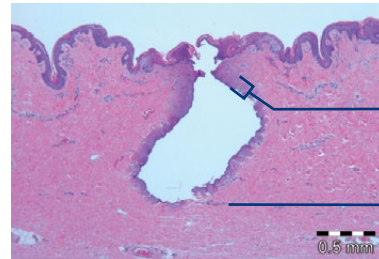
A new monopolar modality with an optimal combination of division and haemostasis. Allows consistent haemostatic division of tissue with lower power settings and less smoke, charring and thermal spread

- dissecting capabilities
- minimal thermal spread helping with nerve sparing
- minimal smoke hazard because of lowest powersettings while still optimal effect



New 3pedal FootSwitch enabling VL-mode

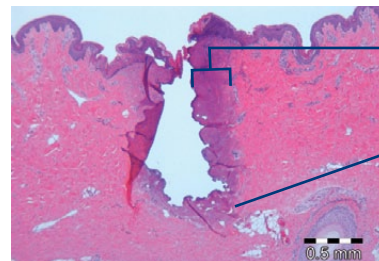
CUT



Minimal Thermal Spread
Deep Penetration

Minimal Hemostasis

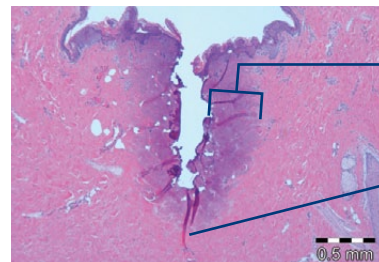
VALLEYLAB™ MODE



Minimal Thermal Spread
Excellent Control of Penetration
Vessel Sealing
Standard Coagulation

Smoother Passage Through Tissue
Good Hemostasis

COAGULATION (FULGURATE)



Large Thermal Spread
Minimal Penetration

Good Hemostasis

All-in one energy device with TissueFect™ sensing technology for TissueFusion, Monopolar and Bipolar Surgery

LIGASURE™ SYSTEM WILL CONSISTENTLY SEAL BLOOD VESSELS AND TISSUE BUNDLES UP TO 7 MM IN DIAMETER



7 mm



6 mm



5 mm



4 mm



3 mm



2 mm



1 mm

Instruments



FORCE TRIVERSE

Optimal control during surgery

Allows access to and control of the revolutionary Valleylab™ mode on the ForceTriad™ energy platform, with a range of electrodes to suit a vast array of surgical specialities.



OPTI 2 ELECTRODES

Solid Laparoscopic Electrodes

Electrosurgical Electrodes, Sterile, Single Use



LAPAROSCOPIC CORD – VALLEYLAB™ MODE

Bringing Valleylab™ mode to laparoscopic instruments

The all new laparoscopic cord brings Valleylab™ mode to laparoscopic instruments such as scissors or hook electrodes. Used in conjunction with the new 3 pedal Valleylab™ mode foot switch. (This cord will be available in 2009)



SMOKE EVACUATION

Evacuation of surgical smoke on the OR.
The all NEW RapidVac™ smoke evacuator.





PRODUCT ORDERING INFORMATION

Code	Description	Pack Size
ForceTriad	ForceTriad™ energy platform	1
FT900	Trolley	1
FT950	Front panel	1
FT990	Drawer	1
FT6003	3pedal Foot Switch VL mode	1
Electrosurgical accessories		
FT3000	Force TriVerse™ instrument 3 m	25
FT3000DB	Force TriVerse™ instrument 4.5 m	25
FT0150	Laparoscopic Cord (enabling VL mode in Lap procedure)	
LigaSure™ reusable instruments		
LS2070	LigaSure™ standard instrument	1
LS2071	LigaSure™ standard electrode	12
LS2110	LigaSure™ AXS instrument	1
LS2111	LigaSure™ AXS electrode	12
LS3090	LigaSure™ MAX instrument	1
LS3091	LigaSure™ MAX electrode	12
LS3110	LigaSure™ XTD instrument	1
LS3111	LigaSure™ XTD electrode	12
LigaSure™ instruments for open procedures		
LS1020	LigaSure Atlas™ short instrument	6
LS1200	LigaSure Precise™ instrument	6
LS1520	LigaSure™ 'V' short instrument	6
LF4200	LigaSure Impact™ instrument	6 (1)
LigaSure™ instruments for laparoscopic procedures		
LS1000	LigaSure™ lap instrument	6
LS1037	LigaSure Atlas™ instrument	6
LS1500	LigaSure™ 'V' instrument	6
LF5034	LigaSure Advance™ instrument	6 (1)
OPTI 2 Laparoscopic Electrodes		
E2770-36	Opti ² ™ solid laparoscopic electrode, straight spatula tip (36 cm)	1 Each
E2771-36	Opti ² ™ solid laparoscopic electrode, curved spatula tip (36 cm)	1 Each
E2771-45	Opti ² ™ solid laparoscopic electrode, curved spatula tip (45 cm)	1 Each
E2772-36	Opti ² ™ solid laparoscopic electrode, wire J hook tip (36 cm)	1 Each
E2773-36	Opti ² ™ solid laparoscopic electrode, wire L hook tip (36 cm)	1 Each
E2773-45	Opti ² ™ solid laparoscopic electrode, wire L hook tip (45 cm)	1 Each
E2774-36	Opti ² ™ solid laparoscopic electrode, flat L hook tip (28 cm)	1 Each
SE3695	RapidVac™ smoke evacuator	1



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For more information or to set up a product demonstration please contact your local Covidien product specialist or call customer service.

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