1.9µm. Why operate on the lower slopes when you can scale the peaks with this revolutionary new family of laser systems?

vela®

Lynton surgical

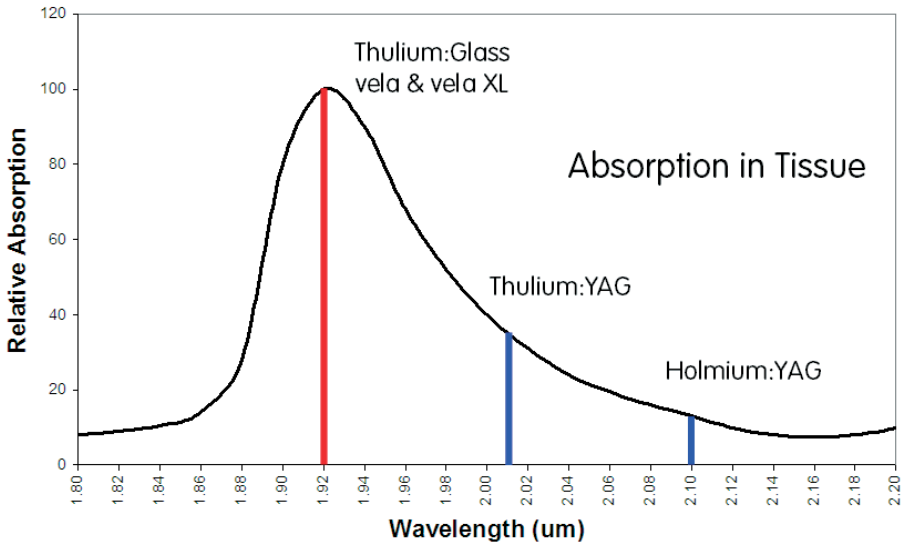
Take simply the best!

vela®

For a state-of-the-art answer to your current and future surgical laser needs, look no further than the vela® family of surgical laser systems. Combining pioneering technology with innovative design and premium components, the vela® surgical laser systems allow you, the surgeon, to concentrate on the most important thing - the patient.

A NEW TECHNOLOGY

The vela® and the vela®XL Surgical Thulium Laser Systems from StarMedTec GmbH are a new breed of state-of-the-art surgical lasers that operate continuous wave (cw) at 1.9µm. Not only are these two lasers highly efficient and very precise in the effect that they have on tissue, but they are also characterised by allowing treatments that have fewer side effects than current technologies. In addition to this, an intelligent user-interface, coupled with careful design of the applicators, results in a user-friendliness across the family of systems, allowing the Healthcare Professional to concentrate fully on the most important aspects of any procedure - the needs of the patient.



OPERATING AT 1.9µm

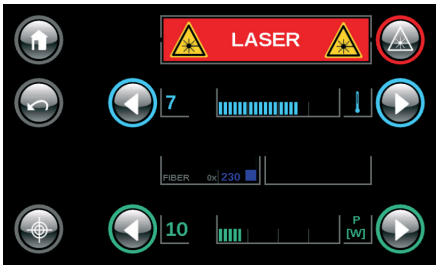
The pioneering technology of the vela® and vela®XL Surgical Thulium Laser Systems utilizes the tissue/water absorption peak at 1.9µm for extremely precise cutting with a minimal, yet clearly defined and reliable, thermal necrosis zone. The absorption at 1.9µm is ~2.5 times stronger than it is at the 2.01µm wavelength of the Thulium:YAG Surgical Laser System, and ~6 times stronger than at the 2.1µm wavelength of the well-known Holmium:YAG Lasers (see graph above). Of the other laser systems currently available, only Erbium:YAG at ~3µm and Carbon Dioxide (CO_2) at 10.6µm have stronger absorption in tissue/water, but these wavelengths cannot be delivered through standard flexible optical fibres. Thus, the 1.9µm output of the vela® and vela®XL Surgical Thulium Laser Systems is the optimum wavelength for minimally invasive or "keyhole" surgery where any form of endoscopy is used. This, in turn, makes it particularly applicable in urology.

vela®

The vela® Surgical Thulium Laser System is a powerful 50W system operating cw at 1.9µm. It is a highly efficient desk-top system measuring only 530mm x 500mm x 285mm (W/D/H). The high internal efficiency and all-solid-state-technology means that only air cooling is required, resulting in reliable, smooth operation and minimal maintenance.

The power output of up to 50W at the optimized wavelength of 1.9µm allows maximum precision and control. This, in turn, translates to stunning results for a large variety of surgical applications, even challenging ones. Laser enucleation or laser resection of the prostate gland treating BPS, and a variety of open or even laparoscopic surgical procedures in general surgery, are well within the capabilities of the vela® Surgical Thulium Laser System. Everything comes with the post operative recovery of the patient in mind.

Premium components and a stunning, yet ergonomic, light weight design combine to create a compact, but still powerful, desktop laser unit. Easy-to-use operating elements



and a highly visible colour touchscreen (see above) result in an intelligent, self-explanatory user interface. Features such as an automatic fiber recognition system and carefully designed treatment applicators provide not only an innovative laser system, but also a very user-friendly surgical instrument.

A broad range of accessories is available.

vela®XL

The 120W maximum power output of the vela®XL Surgical Thulium Laser System, again optimized at 1.9µm to match the tissue/water absorption peak, allows an almost unlimited range of surgical procedures. Highly efficient and safe treatment of BPS: alternatively enucleation, vaporization or vaporesection; tumor resection, surgical and even laparoscopic procedures and much more.

The pioneering technology at 1.9µm again allows maximum precision and control of cutting, with a minimal, yet clearly defined and reliable thermal necrosis zone. The realization of the innovative and powerful vela®XL Surgical Thulium Laser System makes the full potential of minimally-invasive procedures available, where now the high power allows for vaporisation techniques to be more generally applied, larger volumes to be addressed and more high risk patients to be brought within the scope of many of the procedures.

Premium components and a striking design combine to create an ergonomic, extremely powerful floor-standing laser unit. Easy-to-use operating elements and a highly visible colour touchscreen result in an intelligent, self-explanatory user interface. Features such as the same automatic fiber recognition system used on the 50W vela® system, and an extended range of carefully designed treatment applicators, combine to create one of the most user-friendly surgical laser systems in modern medical engineering.

A broad range of accessories is again available, including end and side-firing fibres (all utilising RFID technology), treatment handpieces and scopes.

For more information, or to book a demonstration, go to www.lyntonsurgical.co.uk or contact Lynton Surgical on 0845 612 1545

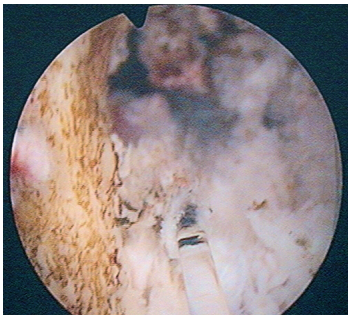
APPLICATION SUMMARY

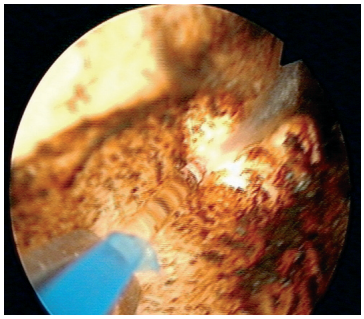
vela®

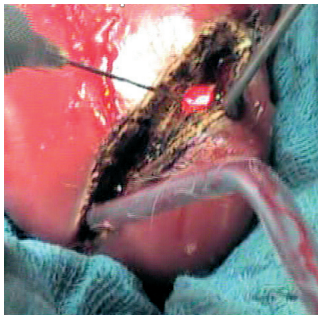
- Hemostatic cutting of Soft Tissue.
- Open or laparoscopic applications with single-use or reusable fibres.
- Urology
  - BPS: Enucleation, Vaporesection
  - High Risk Patients.
  - Tumor Resection.
  - Strictures.
  - Condylomata.
  - Partial Kidney Resection.
- General Surgery - Liver or Gallbladder resection.
- Multi-disciplinary: Gynaecology, ENT, Neurosurgery.

vela®XL

- Hemostatic cutting of Soft Tissue (**with selectable thermal effect**).
- Open or laparoscopic applications with single-use or reusable fibres.
- Urology
  - **BPH: Enucleation in High Risk Patients.**
  - **Vapourisation using bare fibres**.
  - Tumor Resection.
  - Strictures.
  - Condylomata.
  - Partial Kidney Resection.
- General Surgery - Liver or Gallbladder resection.
- Multi-disciplinary: Gynaecology, ENT, Neurosurgery.


CONDYLOMATA


ENUCLEATION OF PROSTATE


RESECTION OF LIVER OR KIDNEY


MISC SURGERY

"We develop high-quality, but affordable laser systems which are extremely effective and can be used for many different applications."

Dr. Werner Falkenstein
MD, StarMedTech GmbH

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ABOUT STARMEDTEC

StarMedTec GmbH is a young, dynamic company that develops cutting edge medical laser systems for surgical applications - especially in the field of urology. Skilled staff with many years of experience in the medical laser business are the basis of an outstanding expertise in the development, production, servicing and marketing of these new products. In the area of laser urology StarMedTec is already one of the top ten providers worldwide.

With 30 years of experience in the field of laser physics, 20 of those in the area of medical laser applications, Managing Director Dr. Werner Falkenstein can be considered one of the experts in this industry. He and the key members of the StarMedTec management team have also worked together for more than 10 years; initially in the "Medical Laser" business unit of Carl Baasel Lasertechnik GmbH, Starnberg, then in the "Surgery Division" at WaveLight AG, Erlangen. In the last 7 years more than 850 holmium lasers have been sold throughout the world. This success encouraged Division Manager, Dr. Falkenstein, to lead a management buy-out at the end of July 2006 and form the new company of "StarMedTec GmbH" (based on the Starnberg location - Starnberger Medizintechnik). Supported by the experienced and committed team of employees the activities were rapidly expanded and new, cutting-edge laser systems, such as the vela® & vela®XL Thulium Lasers, are now being launched on to the market.

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ABOUT LYNTON SURGICAL

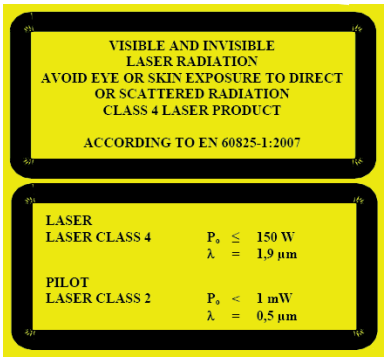
Based in Holmes Chapel, Cheshire, The Lynton Group (more generally known as Lynton Lasers Ltd) has been supplying the medical and aesthetic laser industry for over 16 years. Lynton Surgical is a recently formed division of the company specifically created to address the needs of those customers in NHS and Private Hospitals requiring surgical lasers and their associated accessories & consumables.

The Lynton Group has always recognised the importance of after-sales support, building its name on the ongoing customer services that it provides. A 6-strong team of fully-trained UK-based service engineers (plus administrative support) is available to ensure that a customer's system is always ready and always performs to its full specification. The availability of such a team also allows Lynton Surgical to supply systems on long or short term rentals as an optional alternative to standard purchase options.

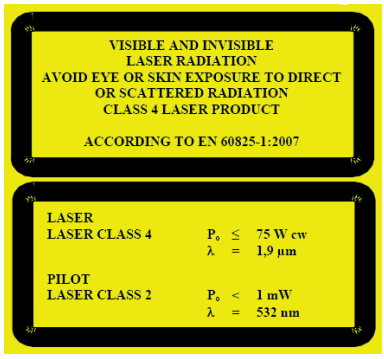
INVESTORS IN PEOPLE

Please note : Use of the vela® Laser Systems by Healthcare Professionals in England may require registration with the Care Quality Commission

SYSTEM SPECIFICATIONS	vela®XL
WAVELENGTH	1.9µm (approx)
MAXIMUM OUTPUT POWER	120W
MINIMUM OUTPUT POWER	5W
BEAM DELIVERY	Optical Fibre
PILOT BEAM	532nm <1mW
USER INTERFACE	Touch Screen
COOLING	Water-to-Air, Internal Compressor
MAINS CONNECTION	200-240Vac @ 50Hz or 200-230Vac @ 60Hz 16A (max. 3kW)
DIMENSIONS	295mm x 950mm x 1035mm (W/D/H)
WEIGHT	150kg (approx)
ELECTRICAL PROTECTION	Protection Class 1 Protection Type IP20
APPLICATION PART	Type BF
SWITCHING CYCLE	cw, pw
STANDARDS	EN/IEC 60601-1 CE 1275 Labelling
	Medical product Class IIb (Rule 9) according to MDD 93/42/EEC
LASER CLASSIFICATION	Laser Class 4 (EN / IEC 60825-1)
LASER PARAMETERS	120W max output with 600um Fibre
	80W max output with 365um Fibre
	30W max output with 230um Fibre



SYSTEM SPECIFICATIONS	vela®
WAVELENGTH	1.9µm (approx)
MAXIMUM OUTPUT POWER	50W
MINIMUM OUTPUT POWER	5W
BEAM DELIVERY	Optical Fibre
PILOT BEAM	532nm <1mW
USER INTERFACE	Touch Screen
COOLING	Integrated air cooling system
MAINS CONNECTION	100-240Vac @ 50-60Hz 12A (max. 1kW)
DIMENSIONS	530mm x 500mm x 285mm (W/D/H)
WEIGHT	25kg (approx)
ELECTRICAL PROTECTION	Protection Class 1 Protection Type IP20
APPLICATION PART	Type BF
SWITCHING CYCLE	cw
STANDARDS	EN/IEC 60601-1 CE 1275 Labelling
	Medical product Class IIb (Rule 9) according to MDD 93/42/EEC
LASER CLASSIFICATION	Laser Class 4 (EN / IEC 60825-1)
LASER PARAMETERS	50W max output with 600um Fibre
	50W max output with 365um Fibre
	30W max output with 230um Fibre



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Lynton surgical