The Q1 Imprinting
Q1 DNA is the philosophy that characterises Quanta System products. Each machine is the perfect synthesis (100% Q1) of Human Intelligence and technological know-how, two factors that make the development of innovative laser technologies a natural process at Quanta System.

Innovative Philosophy
Quanta System produces lasers and laser systems for a wide range of scientific, medical and industrial applications. DNA Laser Technology is not just a marketing promise, It Is also a way of thinking, working, and creating values to be shared, it is a concrete and profound commitment, the corporate policy of an expert and determined group which makes technological research its mission every day.

D N A L A S E R T E C H N O L O G Y

Building values
Quanta System translates its of unique features, differentiation and DNA Laser Technology into seven universal key values. These values express the strength of a united group with its sights on the future, thus becoming a research engine for change and innovation.

Research & Innovation
Innovation is a primary asset. Quanta System continually contributes to scientific progress step by step building up scientific knowledge.

Strategic Growth
Quanta System opens up the pathway for the evolution of laser technology: improving the world and ourselves.

Technology
Technology is the most important driving factor of a company that has always focussed on excellence in the medical, industrial and scientific fields.

Autonomy
The products are all conceived, designed, created, and distributed by Quanta System: guaranteeing the autonomy of DNA Laser Technology worldwide.

Assistance and Service
Quanta System listens carefully to its clients throughout all the phases of design and development, product assistance and solutions. Its natural inclination as a company is that of always making itself available to the laser community with a great sense of service and ingenuity.

Multicultural
Quanta System breaks down every cultural and geographic barrier. Its laser technology represents an instrument for ensuring a better future for millions of human beings.

Flexibility
Quanta System is a dynamic, versatile, and open minded company, constantly focussed on action and change.

Quanta System
DNA Laser Technology

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POLYSURGE

HIGH POWER DIODE SURGICAL LASER SYSTEM

SOLID STATE TECHNOLOGY

HIGH OUTPUT POWER

DYNAMIC POWER RANGE

AUTOMATIC FIBRE TYPE RECOGNITION

NO EXTERNAL WATER REQUIRED

LOW ELECTRICAL POWER CONSUMPTION

EASY TO INSTALL AND TO OPERATE

EXTREMELY QUIET

LIGHT WEIGHT

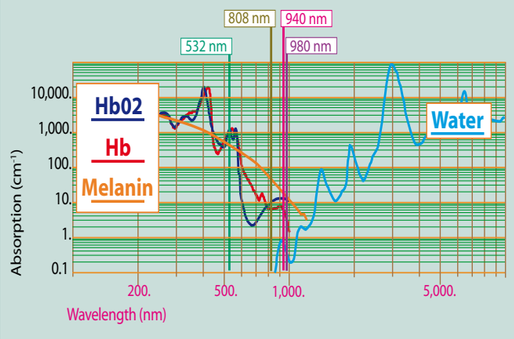
COMPACT AND PORTABLE

MINIMAL MAINTENANCE COST

Quanta System
DNA Laser Technology

POLYSURGE

Absorption spectrum of water, haemoglobin and Melanin



Why the 980 nm laser wavelength?

The 980nm wavelength has a particular characteristic to be absorbed in a similar way by water and haemoglobin.

Because the tissues contain a high percentage of water, it is important that a surgical laser would be absorbed by the water to ablate tissues properly.

The light absorption of the same wavelength by haemoglobin is also important for coagulation and successful haemostasis.

Due to the low absorption of melanin this wavelength can be also used for dermatologic transcutaneous treatments.

APPLICATIONS:

- Removal of bladder tumours
- Ureterostenosis (1),
- ENT (2),
- Proctology
- Urology (3),
- Pneumology
- Gastroenterology (4),
- Gynaecology
- PLDD (5),
- Flebology (6), (7),
- General surgery
- Dermatology (8),
- Transcutaneous treatments

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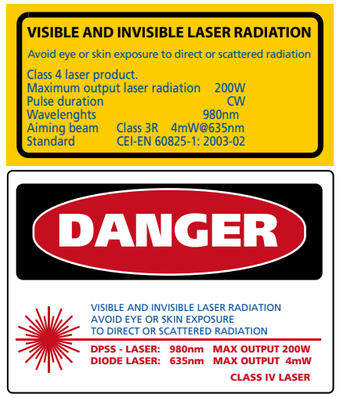
SPECIFICATIONS

Wavelength	980 nm (*)
Power	200W(**), 150W, 100W, 50W
Emission mode	Pulsed/Continuous Single pulse Pulse sequence Continuous
Beam delivery	Wide range of flexible silica frontal and side-firing fibres
Aiming beam	635nm, (adjustable <4mW)
Electrical requirements	200-240VAC, single phase; 50-60Hz; 16A
Cooling	Air cooled
Operating temperature	10°C-30°C
Storage temperature	10°C-40°C
Humidity	30%-90%
Dimensions	305mm (W) x 450mm (D) x 985mm (H)
Weight	28kg
(*) Option: 808nm, 940nm, 1064nm.	(**) with 600µm fibre

ACCESSORIES

Urology	600 µm core side firing, 3m long, single use sterile 600 µm core frontal 3m long , sterile and reusable 400 µm core frontal 3m long , sterile and reusable 200 µm core frontal 3m long , sterile and reusable
ENT	Endonasal and laryngeal fibre probes
Gastroenterology /Pneumology	600 µm core, single use sterile, coaxial fibres
PLDD	Single use sterile complete set including: 200 or 360 µm core frontal fibres with 21G or 18G needle and PLDD adaptor and cannula
Flebology	Single use sterile complete set for endovascular application
General Surgery	200, 300, 400, 600 µm core, 3m long, sterile and reusable frontal fibre
	Reusable fibre handpieces and applicators
Dermatology	External focusing handpiece with interchangeable spot sizes for vascular and transcutaneous applications



Distributor

Specifications are subject to change without notice.