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Laser Lamps: Flash Lamps and Arc Lamps

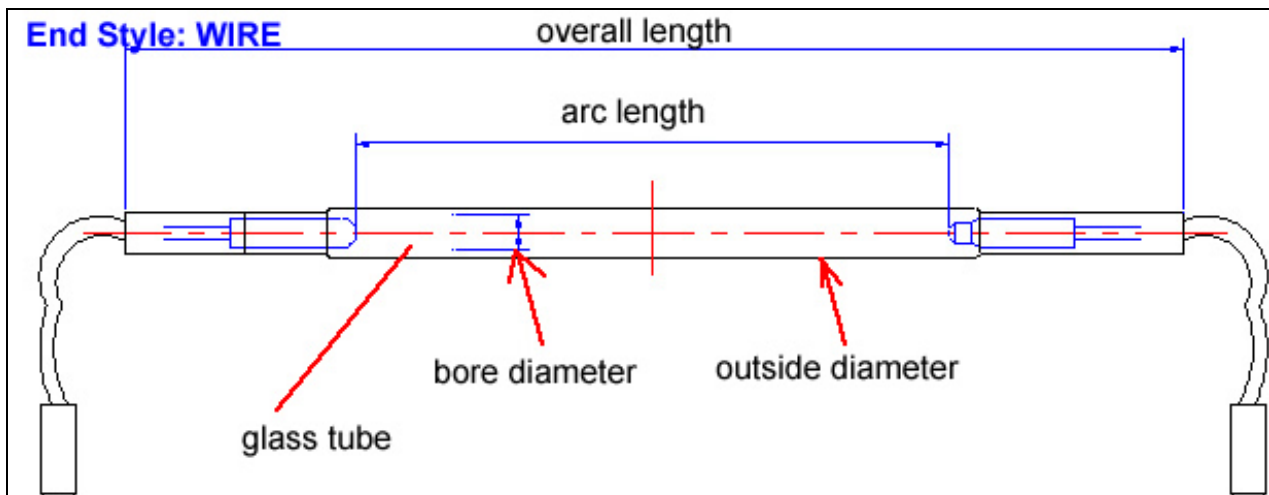
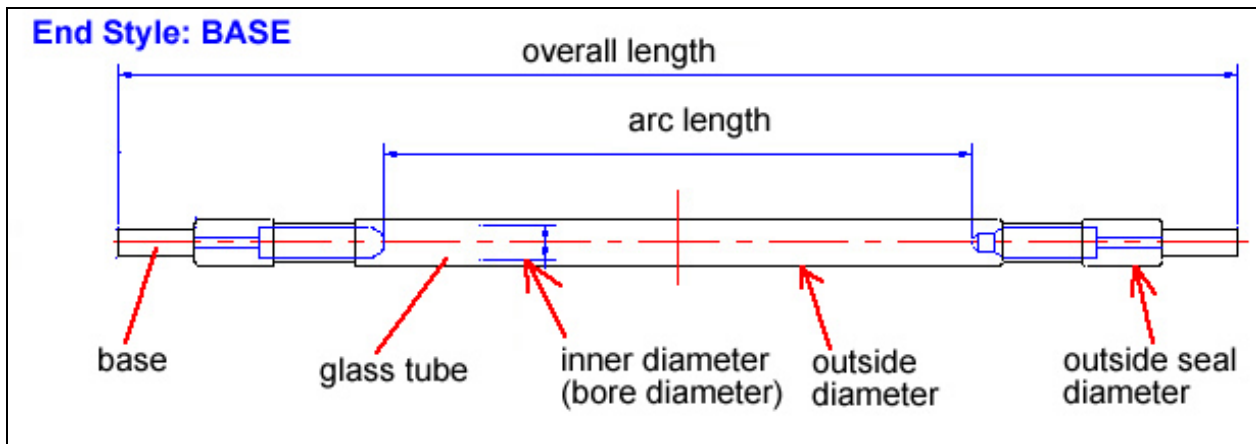
Laser lamps are mercury-free gas discharge lamps used to pump solid-state lasers in many laser applications like welding, cutting and marking. They are especially suitable for high-power lasers or lasers with high precision requirements.

Also for non-laser applications like IPL hair removal, ultraviolet (UV) curing, sun simulation and rapid thermal processing of silicon wafers, pulsed laser lamps are increasingly used. Their main advantages in these applications are their broad spectral output and their high powers.



Table of Parameters for Continuous Wave Lamps

Bore(mm)	Maximum W/cm of Arc	Nominal Current (A)	Maximum Current (A)	Minimum Current (A)	Maximum Static Impedance
4	400	20	24	7	1.10
5	520	30	33	10	0.6
6	700	40	46	13	0.41
7	800	50	56	17	0.31
8	930	65	72	20	0.25



1. High Performance CW Arc Lamps for Lasers (Kr gas filled)

CW (continuous wave) lamps are gas discharge lamps that are mainly used in marking lasers and lasers for welding and cutting. We offer CW lamps in a wide range of power and design, either made to customer specification or as standard replacement lamps.

Our CW lamps are widely recognized as the leading product in the market. Because of the unique automated laser lamp manufacturing line, they offer an excellent lamp-to-lamp repeatability. A stronger seal and optimised designs have made longer lifetimes possible.

Model	Bore (mm)	Arc (mm)	OAL (mm)	OD (mm)	Parameters	Equivalent to	Typical laser makers
NL5157	4	50	152	6	115V/20A	QCW614	
ST166	4	76	215	5	155V/20A	NL5057A	Bassel, Rofin
NL5109	4	76	221	6	155V/20A	NL5078	
F157	4	98				NL5130	Electrox
ST5166	4	100	276	6	177V/22A	CP1920, NL5166	Han's Laser
ST6645	4	102	243	5	200V/20A	NL5039	Control Laser
ST209	5	76	215	6			Rofin, Hysol
ST9608	5	84	177	6	155V/30A	NL4462, QCW43, LKA3330, L6542	Lee Laser, Chicago(CLS), Spectra Physics
ST726	5	100		6	162V/30A	(WIRE)	Rofin
NL5113	5	100	219	7	162V/30A	QCW245	FOBA
ST5171	5	100	240	6	170V/30A	CP2310, NL5171	
ST641	5	100	250	6	175V/30A		Han's Laser (T80C)
ST5028	5	102	195	6	175V/30A	NL5028, QCW93 ST9300, ST93	General Scanning, Lee Laser
ST5647	5	120	240	6	170V/30A		
ST256	5	120	270	6	170V/30A		
NL5142	5	121	251	7		LL1313	Spectron
STXF889	6	100	190	8			Baasel
ST8280	6	100	204	7	158V/40A		Laserscope Lyra
NL547	6	100	300	8	152V/40A	P2008E, CW190	NEC
NL5121	6	150	250	8	200V/40A		Nihon Welding
ST5018	6	150	350	8	200V/40A	NL5018	
ST8142		97	188	8		(WIRE)	
STJK310	8	145	270	9.2			
ST8000	8	165	256	9	255V/50A		500W laser

STK Series Krypton Lamps

Description of model number: STKxxx-yyy-zzz-Waaa or STKxxx-yyy-zzz-DxL

STK – Kr lamp

xxx – outside diameter (In general, the thickness of the glass tube is 1mm)

yyy – arc length

zzz – over all length

W -- WIRE end style (no W means BASE end style), aaa is the wire length

DxL – diameter and length of BASE if the end is BASE.

Model	Bore (mm)	OD (mm)	Arc (mm)	OAL (mm)	BASE (dia.xlength)
STK-6.5x100x250-4x8	4.5	6.5	100	250	4x8
STK-6.5x100x270-4x10	4.5	6.5	100	270	4x10
STK-6.5x125x270-4x10	4.5	6.5	125	270	4x10
STK-7x100x210-4x8	5	7	100	210	4x8
STK-7x100x250-4x8	5	7	100	250	4x8
STK-7x125x270-4x10	5	7	125	270	4x10
STK-8x95x214-5x7	6	8	95	214	5x7
STK-8x100x235-5x8	6	8	100	235	5x8
STK-8x100x250-5x10	6	8	100	250	5x10
STK-8x100x256-5x10	6	8	100	256	5x8
STK-8x100x270-5x10	6	8	100	270	5x10

STK-8x100x288-5x10	6	8	100	288	5x10
STK-8x120x260-5x8	6	8	120	260	5x8
STK-8x120x264-5x10	6	8	120	264	5x10
STK-8x125x270-5x10	6	8	125	270	5x10
STK-8x125x280-5x10	6	8	125	280	5x10
STK-8x150x288-5x8	6	8	150	288	5x8
STK-8x150x290-5x8	6	8	150	290	5x8
STK-8x100x210-5x8	6	8	100	210	5x8

2. High Performance Pulse Flashlamps for Lasers

Flash lamps are gas discharge lamps that are used in many applications. By far the most demanding of these is the optical pumping of lasers. The high optical power per pulse requires the best materials and designs to achieve long lifetimes. We manufacture customized flash lamps in a wide range of power and design as well as standard replacement lamps.

With an innovative technology that optimizes the quartz glass envelope, gas fill and electrode design, our flash lamps combine high pulse energy and very long lifetime. Automated manufacturing ensures constant quality through minimized tolerances.

For cosmetic pulsed light applications like hair removal and skin rejuvenation, specially designed flash lamps are available. Also for flash lamp applications like UV curing and sun simulation, we work closely with customers to design the optimum lamp.

Model	Bore (mm)	OD (mm)	Arc (mm)	OAL (mm)	Gas	End Style	Equivalent to	Remark
ST7047	4	5	48	108	Xe	4.75x10		Continuum, Quantel, Hoya
STXF158	4	6	75	165	Xe, 450 torr	BASE	QXF158	
STK479	4	6	76		Xe, 700 torr	WIRE		Laservall
ST5712	5	7	31	90	Xe, 600PSI	BASE	AQL5712	for acne treatment or hair removal
ST2821	5	7	50	110	Xe, 450 torr	5x10	P2821	
ST7030	5	7	102	204	Xe, 3atm	BASE	NL7030	
STXF789	5	7	120	246	Xe	5x13		
ST1500	6	7	45	105	Xe, 450 torr	BASE	QXF1334	Quanta System
F275	6	8	50.8	155	Xe, 450 torr	BASE		
ST800	6	8	100	190	Xe, 450 torr	4.75x13		
ST9764	6	8	100	246	Xe, 450 torr	BASE	P2015A STQXF337	NEC
STPL50	6	8	102			WIRE		Laservall
ST9751	7	9	102	220	Xe, 450 torr	BASE		Miyachi
ST7000	8	9	170	256	Xe,	5.8x12		
ST9762	8	10	150	298	Xe, 450 torr	BASE	P2014 STQXF345	NEC
F292	8	10	189	333	Xe, 450 torr	BASE	P2021	NEC
ST5618	8		5				NL7083, AQH5618	Plasmalite

STX Series Xenon Lamps

Description of model number: STXxxx-yyy-zzz-Waaa or STXxxx-yyy-zzz-DxL

STX – Xe lamp

xxx – outside diameter (In general, the thickness of the glass tube is 1mm)

yyy – arc length

zzz – over all length

W -- WIRE end style (no W means BASE end style), aaa is the wire length

DxL – diameter and length of BASE if the end is BASE.

Model	Bore (mm)	OD (mm)	Arc (mm)	OAL (mm)	BASE (dia.xlength)	User
STX-5x75x140-3x5	4	5	75	140	3x5	
STX-7x70x150-4x5	5	7	70	150	4x5	

STX-7x100x210-4x8	5	7	100	210	4x8	
STX-7x100x186-4x8	5	7	100	186	4x8	
STX-8x85x178-5x17	6	8	85	178	5x17	
STX-8x90x190-5x13	6	8	90	190	5x13	
STX-8x90x220-5x8	6	8	90	220	5x8	
STX-8x90x240-5.5x8	6	8	90	240	5.5x8	
STX-8x95x237-6x8-B	6	8	95	237	6x8	Lelee Laser
STX-8x100x200-5.5x8	6	8	100	200	5.5x8	
STX-8x100x230-5x8	6	8	100	230	5x8	
STX-8x100x250-5x8	6	8	100	250	5x8	
STX-8x100x288-5x10	6	8	100	288	5x10	
STX-8x110x250-5x8	6	8	110	250	5x8	
STX-8x120x240-5x8	6	8	120	240	5x8	
STX-8x120x260-5x8	6	8	120	260	5x8	
STX-8x140x280-5x8	6	8	140	280	5x8	
STX-8x150x297-5x10	6	8	150	297	5x10	
STX-9x130x264-6x8	7	9	130	264	6x8	
STX-9x280x390-6x8	7	9	280	390	6x8	
STX-10x45x125-6.5x5	8	10	45	125	6.5x5	

3. IPL Lamps

Model	Bore (mm)	Arc (mm)	Quartz type	Lamp type	Typical IPL maker & system or equivalent to	Application
ST1601	3	35.5	CDQ	XFP		
ST2026	4	50	CDQ	XFP	Sciton	Hair removal & skin rejuvenation
ST7081 (=ST1062)	4	50	CFQ	XFP	DDD, Ellipse	Hair removal
ST7079 (=ST1062)	4	50	CFQ	XFP	Energies	Hair removal
ST7080 (=ST1062)	4	50	CFQ	XFP	Equinox, Light Touch	Hair removal
ST7081 (=ST1062)	4	50	CFQ	XFP	Greenton	Hair removal
ST7084	5	16	CDQ	XFP	MBC, Plasmalite	Skin rejuvenation
ST7088	5	16	CDQ	XFP	MBC, Plasmalite	Skin rejuvenation
ST7083	5	18	CDQ	XFP	MBC, Plasmalite	Hair removal & skin rejuvenation
ST7087	5	18	CDQ	XFP	MBC, Plasmalite	Hair removal & skin rejuvenation
ST7086 (=ST7082)	5	20	CDQ	XFP	MBC, Plasmalite	Hair Removal
ST7082 (=ST7086)	5	20	CDQ	XFP	MBC, Plasmalite	Hair removal
ST5712	5	31	CDQ	XFP	Med-Op	Hair removal
ST5712G	5	38	CDQ	XFP	Med-Op	Hair removal
ST2253	5	45	CDQ	XFP	Primary Technology	Hair/skin treatments
STX7x45x90-W	5	45	CDQ	XFP	P3096	Hair removal
ST2305	5	48	CDQ	XFP	Palomar	Hair/skin treatments
ST-1906-1	5	48		XFP	Syntechlaser, Apollo III	Hair removal
ST2306/8667	5	50	CDQ	XFP	Palomar	Hair/skin treatments
STX7x50x125-W	5	50	CDQ	XFP		Hair removal
ST2216	5	76	CDQ	XFP	Lumenis, Epilight	
ST2216	5	76	CDQ	XFP	Lumenis, Vasculite	
ST2216	5	76	CDQ	XFP	Lumenis, Photoderm	
ST2237	5	76	CDQ	XFP	Lumenis, Epilight	
ST2237	5	76	CDQ	XFP	Lumenis, Vasculite	
ST2237	5	76	CDQ	XFP	Lumenis, Photoderm	
ST9862-700	6	36	CDQ	XFP		
ST-1907-1	6	36		XFP	Sharplight, Beamax	Hair removal
ST3028	6	38	CDQ	XFP		Hair removal
ST2125	6	50	CDQ	XFP	Active Beauty	
ST2307	6	50	CDQ	XFP	Lord Ingenierie	Hair removal
ST2308	6	50	CDQ	KPP	Lord Ingenierie	Hair removal
ST2252	6	50	CDQ	XFP	Primary Technology	Hair/skin treatments

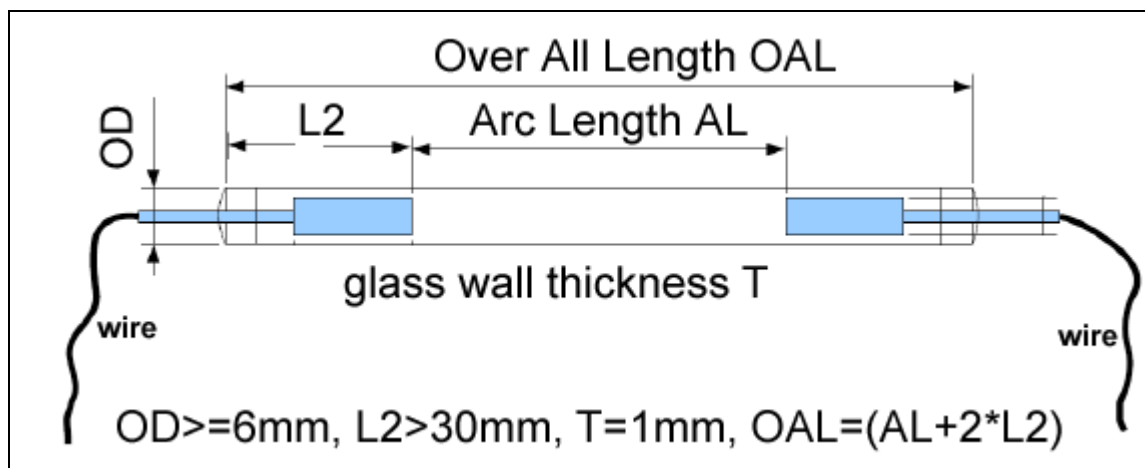
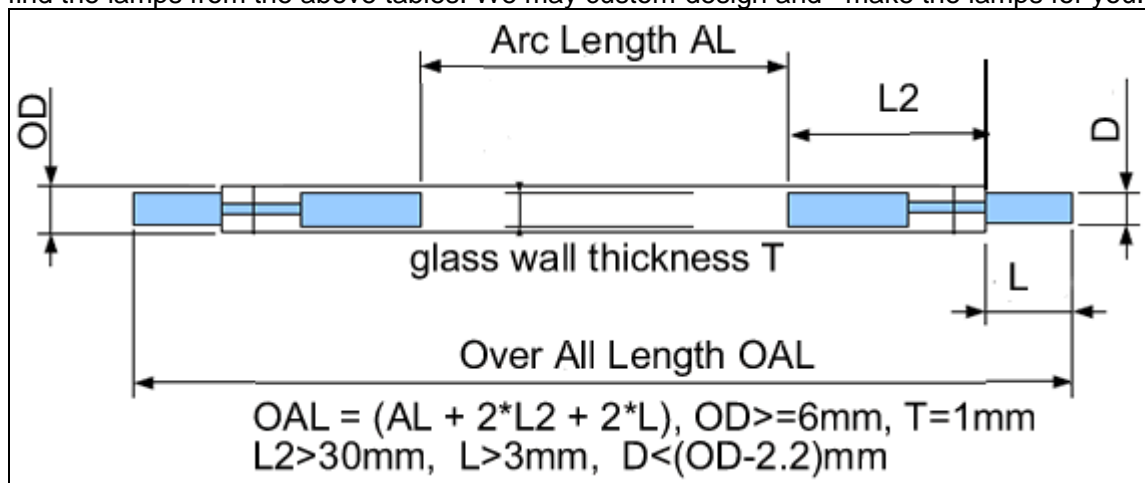
CDQ - UV absorbing Cerium doped quartz; XFP - Xenon gas filled

Model	Bore (mm)	OD (mm)	Arc (mm)	OAL (mm)	BASE (DxL, mm)
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STX-6.5x50x116-3x4	4.5	6.5	50	116	3x4
STX-6.5x50x130-4x8	4.5	6.5	50	130	4x8
STX-6.5x50x180-4x8	4.5	6.5	50	180	4x8
STX-6.5x70x135-W	4.5	6.5	70	135	WIRE
STX-6.5x70x180-4x8	4.5	6.5	70	180	4x8
STX-7x50x116-3x4	5	7	50	116	3x4
STX-7x60x125-4x8	5	7	60	125	4x8
STX-7x60x156-4x8	5	7	60	156	4x8
STX-7x75x160-4x8	5	7	75	160	4x8
STX-7x100x184-4x8	5	7	100	184	4x8
STX-7x100x186-4x8	5	7	100	186	4x8
STX-9x70x140-4x5	7	9	70	140	4x5

Remark: 1) UV absorbing cerium doped quartz is used in the STK series lamps.
2) End style WIRE is available upon request.

For STX and STK series lamps, please refer to the following figure to tell us what you want if you can not find the lamps from the above tables. We may custom-design and –make the lamps for you.



4. Other Lamps

Lamp model

Laser Manufacturer

ST512AS

AB LASER INC. (ROFIN GROUP)

Baasel 600, 80750-005, 131100029, 209-08890

ST601S

Baasel 601, 80750-006, 131100030, 202-08330

ST166, NL5057A

Baasel 2001, 6000, StarMark SM65, 80750-009, 131100032, 131100054, 209-08891

ST209

Baasel 2001, 6000, StarMark SM90, 80750-008, 131100031, 202-0831

ST700

Baasel StarMark SM150, 80750-029, 131100046, 209-10481

STXF889

Baasel StarCut 10, 4001, BLS27, BLS701, BLS710, BLS720, 80750-026, 131100043

ST9600

Baasel StarWeld Performance, 80750-012, 131100035

ST9615

Baasel StarWeld, 80750-027, 131100044

ST2412

Baasel StarWeld Tool 100W, 80750-043, 131100052

STJK37

Baasel StarWeld 150W, BLS730, 80750-010

ST9674	Baasel StarWeld 250W, 80750-028, 131100132
ST1122	Baasel StarWeld 500W, Xenon
ST1123	Baasel StarWeld 500W, Krypton/Xenon, 80750-031
	ADRON LASER
STQJK96	Adron AYS450
	ADVANCED LASER
ST4462S	Lee Laser Model 712
	AEM Holdings (AEM-Ever Tech)
STXF683	LD310, F450-2
	AESFULAP
ST776	Aesculap Laser Model Vision
STX83	Aesculap – Meditec MCL 29 – Dermablade Er-YAG
	ALCON LASER
ST354	Alcon Surgical model 532
	ALLIED/APOLLO
ST6063	Allied Laser 1610, Krypton, YAG
ST4678	Allied Laser 1610, Xenon, ALEXANDRITE
	ALLTEC
ST5112	Alltec LN30
ST5113	Alltec LN100W
	ALPHA LASER GmbH
STJK281	Pulspower JMM 150
STJK237	Alpha Laser ALS35 (Old Model)
STJK574	Siro Laser ALC35, ALO35, ALS35,
STK394	Siro Laser ALS35S, SL50, SL75, AL75, AL100, ALV100, ALW100, ALM150
STAL200	Alphalaser AL200, 600M130229
STK571	ALW75, ALW1000
	APPLIED PHOTOPHYSICS
STXA108	Applied Laser LR10
STXA109	Applied Laser LR16
	APOLLO
STH2300	Helical Flashlamp for Laser Ruby Rod 3/4" x 3"
STH2600	Helical Flashlamp for Laser Ruby Rod 3/4" x 6", Apollo Model 35
STH2800	Helical Flashlamp for Laser Ruby Rod 1" x 8"
STH2900	Helical Flashlamp for Laser Ruby Rod 1 3/4" x 4"
	ARCOTRONICS
STXF3	B.O.C. Laser Model 203
	ARGES LASER
ST450	Hammerhead 200Hz, F126
	AUREL
ST512AS	Aurel NAVS2
	BAASEL LASERTECHNIK (ROFIN GROUP)
ST512AS	Baasel 600, 80750-005, 131100029
ST601S	Baasel 601, 80750-006, 131100030
ST166, NL5057A	Baasel 2001, 6000, StarMark SM65, 80750-009, 131100032, 131100054
ST209	Baasel 2001, 6000, StarMark SM90, 80750-008, 131100031
ST700	Baasel StarMark SM150, 80750-029, 131100046
STXF889	Baasel StarCut 10, 4001, BLS27, BLS701, BLS710, BLS720, 80750-026, 131100043
ST9600	Baasel StarWeld Performance, 80750-012, 131100035

ST9615 Baasel StarWeld Performance, 80750-027, 131100044
 ST2412 Baasel StarWeld Tool 100W, 80750-043, 131100052
 STJK37 Baasel StarWeld 150W, BLS730, 80750-010
 ST9674 Baasel StarWeld 250W, 80750-028, 131100132
 ST1122 Baasel StarWeld 500W, Xenon
 ST1123 Baasel StarWeld 500W, Krypton/Xenon, 80750-031
 ST601LL Baasel 601, 80750-006, 131100030

BAUBLYS

ST1313 Baublys PCBL4-3, BL150 150W (CW) 120W (Q Switched) Laser AL150
 STS27 Baublys BL65, 65W (Q Switched) Laser
 ST5129 (=ST5161H) Baublys BI00, 100W (Q Switched) lase

BEKO

ST1448 Beko WL-40 Laserstar, Xenon

BENTZY LASER SERVICES

ST749 Bentzy Multitasking Diamond processing system

BIG SKY

ST8142 Big Sky Part number 03665515
 ST7941 Big Sky CFR400

BIOPHARM

ST26 Biopharm IPL lamp
 ST1061 Biopharm IPL lamp

BIOS

ST1500 IPL Dual Mode

Blueshine

ST1500 IPL

BMI

ST1788 BMI Laser Model LK741 5011
 ST164 BMI Lamp Part Number LK535

BOC

ST201 BOC Laser 201
 ST561 BOC Laser 101, 102
 STXF3 BOC Laser 203

CANDELA LASER

ST5233 Candela lamp part number 05-CAN-12-5
 ST4665 Candela lamp part number 05-CAN-24-5
 ST5501 Candela lamp part number 05-CAN-24-7
 ST8511 Candela laser model Gentlelase 9908-02-0408

CHEVAL LASERS

STK329 Cheval 400W laser, 24600L
 STJK310 Cheval M-L 005

CHICAGO LASER

ST510S Chicago Laser CLS510
 ST512AS Chicago Laser CLS512, CLS37S
 ST4522S Chicago Laser CLS 520
 ST708S Chicago Laser CLS37W, CLS39, CLS977, CLS 907, CLS960, Lee Laser 708
 ST4462S Chicago Laser CLS37W, CLS39, CLS977, CLS907, CLS960, Lee Laser 708

CHROMATIX

STXF4 Chromatix Laser CMX4

CHROMATRON

ST747 Chromatron Laser Model Induwrite
ST767 Chromatron Laser Model Induwrite 2

Chutian Laser

STK-8x100x250-5x10
STK-8x125x270-5x10
STX-9x130x264-5x10
50W laser marker

CLARK-MXR

ST520B Clark Laser Model ORC-1000

CLYXON LASER

ST1341 Clyxon Pulsed Laser, Krypton
ST1531 Clyxon Pulsed Laser, Xenon

COHERENT/COHERENT GENERAL/LASER INC.

ST7668 Coherent Omega 34, Krypton
ST6054 Coherent Omega 34, Xenon
ST7104 Coherent 7900
ST4533 Coherent Antares
ST4669 Coherent Everpulse 11 &14, Hufmann Ind. 0513-002-01
STM14 Coherent M14
STFDB Coherent Model 60
ST8588 Coherent Infinity
ST7734 Coherent Versapulse Medical, 0619-450-01, Ultrafine Er:YAG
ST8114 Coherent Medical
ST7903 Coherent Medical

CONTINUUM/QUANTEL U.S.A.

ST5260 Continuum 203-0007
ST5960 Continuum FL408, 203-0022
ST5961 Continuum YG481, FL410, 203-0023
ST5962 Continuum FL406-04, 203-0001
ST6064 Continuum FL-312 Ruby, 203-0026
ST7045 Continuum Minilite I, Minilite II, 1998 onwards, 203-0039
ST7047 Continuum 203-0041, MiniLite I, Minilite II
ST8007 Continuum PC700-10, TO3-008
ST6213 Continuum FL611-09, PY61C-10 (Amplifier), PY61C-20, 203-0018
ST6358 Continuum FL-315-09, 203-0009
ST6379 Continuum 203-0027
ST6497 Continuum FL310G, 203-0011
ST6802 Continuum SFL312R
ST7383 Continuum FL-312-Glass, 203-0024
ST7716 Continuum Surelite II, Powerlite 7010, 7020, 7030, 8010 (oscillator), 203-0035
ST7886 Continuum Powerlite 9000 Series Amplifier, Medilite Amplifier, 203-0036
ST8044 Continuum FL611-07, YG571C, YG580, 203-0012
ST8045 Continuum FL611-06, YG660, YG682, Powerlite 6000, 7000, 8000 and 9000 series (oscillator), Powerlite plus, Surelite I, Medilite, PY61C-10 203-0019
ST8046 Continuum FL506-04, PY61-10, 203-0017
ST8047 Continuum Surelight III, Powerlite 8000 series Amplifier, powerlite 9050, Amplifier, Powerlite plus Amplifier, Medilite IV 203-0032
ST7039 Continuum Minilite 10, 20, early models, 203-0037
ST8595 Continuum model 203-9001

CONTROL LASER

ST510S Control Laser 255, 256, 510, 511
ST512AS Control Laser 512, 513, Instamark, Script
ST512BS Control Laser Instamark, Script, Emblem
ST520S Control Laser 258, 520, H-518, 620
ST4522S Control Laser 520, Extended arc length
ST532S Control Laser 531, 532, 534, 536, 630

CONTROL LASER

ST612S Control Laser 612, Elite, Signature, Emblem
 ST5461 Control Laser 612, Special Voltage 150 –170V lamp
 ST400S Control Laser 400, 428, 438, 440-8, 480-16, Huffman, XMR, (Arc Length 101mm)
 ST987 Control laser 612, Special 30A 131-138 Volts
 ST400L Control Laser 400, 428, 438, 440-8, 480-16; Huffman, XMR, (Arc Length 117mm)
 ST6645 Control Laser 512 PLUS, Signature 100, Script 100
 ST5116 Control Laser, Insignia, Icon
 ST264 Control Laser, 258, 520, 620, High stability (30A 117-127V)
 ST1019 Control Laser, Insignia, Icon, High Stability (15A 165-175V)

CONVERGENT ENERGY

ST1873 Convergent Energy Aurora P-10
 ST1525 Convergent Energy Aurora P-50

COOPER LASERSONICS/MOLECTRON

ST536 Cooper 8000, 8900, 2500
 ST534 Cooper 4000, 6000
 ST3409 Cooper MY32
 ST3410 Cooper MY34, MY35

CRAFFORD PRECISION PRODUCTS

ST8624 CPP Laserstar, 405-2460-405
 ST8623 CPP Laserstar Hi Performance 405-2460-406

CVI LASER

STEJG CVI YAG MAX C95
 ST502 CVI YAG MAX 210
 ST4461 CVI YAG MAX 212

CYNOSURE

ST499 Cynosure, Apogee Modular
 ST9551 Cynosure, Apogee Non-Modular
 ST9856 Cynosure, LPIR, LCY-7043
 ST1158 Cynosure, Photogenica dye lamp
 ST1612 Cynosure, Photogenica T10 Alexandrite lamp

DDD

ST1062 (=ST7081) DDD Ellipse

DEK

STS26 DEK Laser Trimmer

DORNIER

STQCW187 Dornier Lamp part number B 3003687
 STS26 DEK Laser Trimmer, Spectron SL501Q, SL501TQ

EKSMA

ST7077 Eksma Laser Model PL 2143B, 45mm arc length lamp
 ST7074 Eksma Laser Model PL 2143B, 58mm arc length lamp
 ST7054 Eksma Laser Model PL 2143B, 75mm arc length lamp

ELECTRONICA VALSERIANA

STK509 Electronica Valseriana Lamp part number 022500038, Softlight, EV5000
 ST5008 Electronica Valseriana CW Lamp

ELECTROX

ST908 ElectroX Raymarker 1, 262-000-010
 ST786 ElectroX Scriba I and II, 85W with end plugs New model
 ST484 ElectroX Scriba I and II, 120W (upgrade)

ENERGIS

ST1062 Energis Elite IPL

E.S.I.
 ST510S E.S.I. 25, 44
 ST512AS E.S.I. 44
 ST570S E.S.I. 44, 80, 4000A, 4200, 3570, 3572, 5100, 5150
 ST520S E.S.I. 44
 ST65 E.S.I. Japan

EQUINOX
 ST1062 Skinsoft Equinox IPLS

ESTELUX
 ST1062 Estelux IPL, LUX Y

EXCEL PHOTONIX
 ST1062 Excel Photonix IPL
 ST7031 Excel Photonix Pulsar

FANUC
 ST272 Fanuc 500W CW Laser
 STYP500B Fanuc YP500 Laser, 500W Pulsed laser

FERRANTI
 STXF35 Ferranti Die Driller 611, 651

FLOROD
 ST512AS Florod 40, 41, 42, 70, Control Laser 512
 ST4182 Florod LRY, LWY
 ST6473 Florod LCM30

FOBA
 ST5112 Fobalas 84S, 30 Watt
 ST5113 Fobalas 90 MK-DT, 94S, 100 Watt
 ST258 Fobalas 114S, 200 Watt

FOTONA
 STS27 Fotona YAG-22
 ST1852 (LONG LIFE) Fotona YAG-22
 ST2007 Fotona WL-40 Spotlight, Krypton
 ST1448 Fotona WL-40, Laserstar, Xenon
 ST7060 Fotona Fidelis, 1 Joule Er:YAG
 ST2284 Fotona Fidelis M002A
 STXF1141 Fotona Fidelis M320A

FOX LASERS
 ST114 Fox 7400

FUJI
 ST5025 Fuji 100W Laser Marker
 ST365 Fuji 50W Laser Marker

GENERAL SCANNING/GSI LUMONICS
 ST9300 General Scanning Hi-Mark 400, 800, 1400, 6000
 ST8090LL (LONG LIFE) General Scanning Hi-Mark 400, 800, 1400, 6000

GREENTON
 ST1062 Greenton IPL

GRETAG/TRUMPF
 STS27 Gretag 6210, 6211
 ST1852 (LONG LIFE) Gretag 6210, 6211

GTE

STEJG	GTE606
STS27 ST1852 (LONG LIFE)	HAHN & KOLB, HK TECHNOLOGIES Hahn & Kolb Enigma Hahn & Kolb Enigma
ST5166 STX-8x125x270 ST641 STK6.5x100x250-4x9 STK6.5x120x300-4x9 STK8x120x270-5x9 STK8x120x290-5x9 STX9x130x264-5x9	Hans Laser 50W laser marker, YAG-M50 (NL5166) YAG-T50 YAG-T80C (P2875, P2793)
ST536 ST534 ST3409 ST3410 ST5045 ST5087 ST5022	HERAEUS LASERSONICS/SURGICAL Heraeus 8000, 8900, 2500 Heraeus 4000, 6000, LUXUS100 Heraeus MY32 Heraeus MY34, MY35 Heraeus Lasersonics Hercules 5060 Heraeus Lasersonics Hercules 5100, 5000-100 Heraeus Lasersonics Hercules 5040
ST604	HOBART Hobart Model 3750-0007-00
ST510S ST520S ST532S	HOLOBEAM Holobeam 255, 256 Holobeam 257, 258 Holobeam 2660
ST512BS	HONG LUNG Control 512
ST4669	HUFMANN INDUSTRIES Hufmann Ind. 0513-002-01
ST4517 ST7045 ST7047	HOYA Hoya lamp part number 3.5 X AMG, L/2.11/G Hoya laser model HCL-2100 Hoya laser model HCL-2100F
STQCW135 ST58 ST5048 STM ST908 STPAQ ST166, NL5057A ST209 ST2045	HYSOL/PARTRIDGE LASERS Hysol HM100, 100 watt Hysol HM100, HDU6520 Hysol HM100, HDU6520 ILM/Electrox Raymarker 1 Impaq laser model CWQ2025 Impaq laser model CWQ2040 Impaq laser model CWQ2045
STJK386	INLASER InLaser LWD4 9 LWD4V
STS27 ST1852 (LONG LIFE) ST9155	INNOLAS Innolas Model 1000, 2000 Innolas Model 1000, 2000 Innolas 701, 702

	ISKRA
STS27	Iskra YAG-22
ST1852 (LONG LIFE)	Iskra YAG-22
ST4190	Iskra Models UPLAS 502, YAG 20, YAG 21, QT/E8WR
	JEC
ST510S	JEC 1020, 1028
ST512AS	JEC 1024
	KMS FUSION
ST3457	KMS-Fusion Pulsed Laser, Krypton
	KOMATSU
STQCW108	Komatsu Q120W, PH15L-1
ST517	Komatsu Q150W
	KORAD
STKY3	Korad KY3
STKY5	Korad KY5
STH6000	Helical flashlamp for Korad K-1
STH6020	Helical flashlamp for Korad K-2
STH6050	Helical flashlamp for Korad K-5
STH6060	Helical flashlamp for Korad K-6
	LASAG
ST1767	Lasag KLS246-040FC, 64-0153
ST5006	Lasag LAK101, KLS11, LAK100, KLS016, Topaz, 64-0156, 64-0302
ST6638	Lasag LAK101, KLS111, LAK100, KLS016, 64-0158, 64-0371
ST4605	Lasag LAK101, KLS11, LAK100, KLS016, 64-0114, 64-0116
ST5007	Lasag LAK301-302, KLS321-322, LAK400-401, 64-0157, 64-0324, Krypton
ST5009	Lasag LAK301-302, KLS321-322, LAK400-401, 64-0159, 64-0372, Xenon
ST6073	Lasag LAK601, LAK501-502, KLS521-522, 64-0309
ST1807	Lasag LAK601, LAK501-502, KLS521-522, KLS 24E, LAK542-300, 64-0551
ST5010	Lasag LAK101-102, KLS111-112, KLS126, 64-0154, 64-0323
ST1798	Lasag LAK101, KLS11, LAK100, KLS016, Topaz, 64-0579
ST9405	Lasag, 64-0552
ST1927	Lasag, 64.0553
ST1800	Lasag Slab FM 015, 64.0649
	LASER APPLICATIONS – FRANCE
ST6461	Laser Applications Model LAP988 (Upgrade)
	LASER APPLICATION/LASERMETRICS
ST4191S	Laser Application 9560, 28 Amp
ST550S	Laser Application 9560, 9555, 40 Amp
ST5845	Laser Application 95100
ST8205	Laser Application 95150
ST400L	Laser Applications 94100 (Arc Length 117mm)
ST400S	Laser Applications 94100 (Arc Length 101mm)
	LASER ASSOCIATES
ST560	Laser Associates 254B
STX11	Laser Associates 252C
STSPACERAY	Laser Associates 211A Ruby Laser
	L.B.T
ST341	L.B.T Model MYLS60
STQCW419	L.B.T Model MYLS100
	LASER DESIGN
STQCW189	Laser Design P.E.I. SLEEVES
STQCW189Q	Laser Design, Ceramic Sleeves

LASER IDENTIFICATION SYSTEMS

ST116LL (LONG LIFE) LIS Wafer Mark 345, II (ST116LL is the new version of ST116)
 ST116LLS LIS Wafer Mark 345, II (long life 800 hours) (ST116LLS is the new version of ST116LLXL)

LASER INDUSTRIES – USA

STSPACERAY Laser Industries Spaceray

LASER INDUSTRIES

ST95 Toshiba LAY618, 652, Sharpplan 2100, 3000

LASER INNOVATIONS

STQCW336 Laser Innovations Emerald

LASER ITALIA

ST9650 Laservall Compac

LASER OPTRONICS

ST747 Laser Optronics 747, 757
 ST767 Laser Optronics 767
 ST804 Laser Optronics 777

LASER PHOTONICS

Enquire Please specify laser model and lamp part number

LASERSCOPE

ST520BC Laserscope 804, 102, LSY, BL3, CL20YAG, Aura
 ST241 Laserscope KTP/YAG 800
 ST8280 Laserscope Lyra, lamp part number 0124-0350
 ST321 Laserscope lamp part number 0113-2260
 ST520S Laserscope infinity
 ST5001 Laserscope Erbium Venus

LASERSTAR TECHNOLOGIES

ST1715-1 Bright Star, laser welding machine, L8624

LASIT

ST218S Lasit Fleximark, Easymark 80 Watt
 STQCW336 Lasit Fleximark, Easymark 120 Watt

LASITRON

STQCW189 Lasitron ML136

LASERVALL

ST479 Laservall Vall mark 7, 8, 10, 11
 STK372 Laservall JL15
 STPL50LL (LONG LIFE) Laservall PL50, PL75, PL100, JL30, Cyberwelder
 ST295 Laservall IPL unit

LEE LASER

ST708S Lee Laser 708, 808, 750, LKA3020
 ST4462S Lee Laser 708, 712, 808, 812, LKA3330
 ST9300 Lee Laser 715, 718, 818, 815, 825, LKA4030
 ST93 Lee Laser 715, 718, 818, 815, 825, LKA4030
 ST5206 Lee Laser, LKA5340
 ST1689 Lee Laser LKF-650
 ST6914 Lee Laser 703, LKA2020
 ST5028 Lee Laser Diamond processing lasers
 ST1689 Lee Laser 615M

LIGHTAGE

ST6790	Lightage Alexandrite laser
	LITRON LASER SYSTEM
ST401 ST1240	LPY732-50
	LPKF
STXF720	Baasel Laser 4001, SC18
STXF889	Baasel Laser Starcut, BLS27, SC18
ST2007	LPKF Stencil Cutting Laser SL25, SL600
ST5176	UV350L
	LS LASER SYSTEMS/M.L.S.
ST767	MLS 035
ST7544	MLS 500 watt slab Model FBS500
STQCW360	MLS 100 watt
ST9651	MLS KB50
ST6775	MLS 300 watt slab laser model FBS300
	LUMENIS, SHARPLAN
STX737	Lumenis Derma K
ST8586	Epi-Light Hair Removal Laser, Photoderm
ST95	Toshiba LAY618, 652, Sharplan 2100, 3000
ST7112	Sharplan 5100 Epitouch, High power
ST2028	Sharplan 5100 Alexandrite laser, Epitouch, New version
STXF390	Sharplan 2000 Ruby
ST1311	Sharplan 5000 Ruby
ST9860	Lumenis D-Light
ST2216	Epilight System
	LYNTON MEDICAL
ST1522	Lynton Lumina IPL for Hair reduction & Vascular Lesions (old model ST995)
	GSI LUMONICS/JK LASER
STJK1	JK MS800, MS330, MS820, MS830LD, 12280090A
STJK26	JK 700, 701, 702, 706, 12280180A, P55B6770B
STXF69	JK 704, 12280200A, P55F3830B
STQXF54	JK 2000, HY750, MS25, HY200, HY450, 12280070A
STXF63	JK MS20, MS35, YM-800 12280020A
STXF65	JK 2000, HL52, GSG1/6, Derma Ruby Laser, 12280030A
STXF2	JK MS10, 12280050A
STJK23	JK MS300, 12280060A
ST5913	JK MS810, 12280100A
ST259	Lumonics Multiwave
ST9153	Lumonics Luxstar LXTR50, P61R4980X, 12280250A, 50W laser
STX634	Lumonics Luxstar LXTR30, P61Y6980X, 30W laser
STJK214	Lumonics Screencut P55Y4051B
ST9300	Lumonics HM series
ST1010	Lumonics ScreenCut 4000, ScreenCut 5000 , F410-4
ST2202	Lumonics AM356 Multiwave
ST116LL	Lumonics Lightwriter (long life 400 Hrs)
ST116LLS	Lumonics Lightwriter 217.020.00, (extra long life 600 Hrs)
ST116LLXL	Lumonics Lightwriter 217.020.00, long life 800 Hrs
STMW200	Lumonics Multiwave
	MARCRIST
ST5138	Marcris Marking Laser
	MBB-MEDILAS
ST747	Medilas 1 & 2
ST51	Medilas 4060-40
STQCW146	Medilas 100N
STQCW187	Medilas 4060 Fiberton

	MEDICAL BIOCARE, LUXSANO, MBC NORSK
ST7082	MBC Plasmalite 20mm gap
ST7083	MBC Plasmalite 18mm gap
ST7084	MBC Plasmlite 16mm gap
	MEDICOM
ST1776	Medicom LS-100
	MICRO-CONTROLE – FRANCE
ST164	Micro-Controle FLI 705C, Maria III
	MICRON/LASITRON
STQCW39	Lasitron 120
	MIYACHI
ST6755 (=NL9751)	Miyachi ML2330, ML2100A, ML2200A, ML2331B, ML2332B, ML2333A, MLD-0603
ST9771	Miyachi ML2350A, ML2351A, ML2450A, A-02914, MLD0603 with clips
ST7153	Miyachi 2332, 2330
ST7353	Miyachi ML1330D
ST6847	Miyachi ML2600B
ST6848	Miyachi ML2500A, ML2360A
ST6663	Miyachi ML2600B
ST910	Miyachi ML4141A, ML4141B, MLD0406
ST8516	Miyachi LW10/15, ML2030A, ML2030B, ML2130A, ML2050A, ML2150A, ML2051A, ML2052A, 13813, MLD-0608, MLD0902
ST7965	Miyachi MLD-0601
ST8613	Miyachi MLD-0861
ST9553	Miyachi MLD-0602
	M.L.S./LS LASER SYSTEMS
ST767	MLS 035, MLS 7032
ST7544	MLS 500 watt slab laser model FBS500
STQCW360	MLS 100 watt
ST9651	MLS KB50
ST6775	MLS 300 watt slab laser model FBS300
	N.E.C.
ST545	NEC SL114A, 114F, 114G, SL475H, SL5 & 5ZA, P2002D
ST547	NEC SL1150G, 1150H, 1150J, 1150K, 116A, 116B, SL475E, SL436G, P2008E
ST546	NEC SL115A, YL452
ST7003	NEC SL117-2C, 3C, 4C
STQXF337	NEC SL476A2, P2015A, NL9764
ST5416	NEC P2013
ST3171	NEC YL451, P2007
STQXF345/NL9762	NEC SL124E, YL478IS, M801B,C, M802C, P2014, P2019
ST292	NEC P2021
	NEW WAVE RESEARCH
ST6811	Medilite 1
ST7886	Solo PIV 0002-0036, Tempest, Gemini
	NIDEX
STGYC1500	Nidex laser model GYC1500
	NIHON LASER SYSTEMS
STQJK302	Nihon RC150YWF, LY-300
	N.W.L
ST1311	NWL Meltemi, LSY BL8
STXF390	NWL Levante, Meltemi, LSY BL2
STS27	NWL Dali, Maestro, Mistral
ST1852 (LONG LIFE)	NWL Dali, Maestro, Mistral

ST1398	OBARA LASER Obara laser YPR-005062, 50W
ST117LL ST5129 (=ST5161H) ST749 ST749A	ORZIV Orziv 2001 400 Hrs Orziv Spectron Express, Spectron F950-4 Orziv 2001, 800 Hrs, 35 Amps Maximum Orziv 2001, 800 Hrs, 40 Amps Maximum
ST118 ST118E	OTARI Otari, 250W & 350W Otari, 250W & 350W
ST6962 ST2306/8667	PALOMAR Palomar Spektrum Ruby Palomar IPL hair removal lamp
ST500	PM INDUSTRIES PM 45, 200, 300
STXF777 ST1165	POLARIS Polaris Ruby Polaris Ruby, Folded cavity
STQCW324	POSITIVE LIGHT Positive Light Merlin
STDCR1 ST4539	QUANTA RAY Quanta Ray DCR1 Quanta Ray DCR2, GCR Series, PRO 250-10, 350, INDI series, SP-0004-0725
STXF920 ST2003 ST135 ST1035 ST1017 ST2226 ST1500	QUANTA SYSTEMS Quanta Pulsed Laser , Aphrodite Quanta QMI-120 Quanta QMI-80 Quanta QMI-70 Quanta Palladio Quanta IPL systems IPL Dual Mode, CM1
STYG581C STX557 STQXA63 ST6903 ST8306 ST8045 STXF405	QUANTEL FRANCE Quantel YG581C Quantel SFLBR1-06, Brilliant Quantel Ruby FC-312 Quantel IQL30 Quantel E8-10B Quantel SFL-611-06 Quantel SFL-511-07
ST218S STQCW336	QUANTUM LASER Quantum laser maxi mark (80 Watt) Quantum Laser Maxi mark 2 (120 Watt)
ST510S ST512AS ST550S	QUANTRAD Quantrad 1733 Quantrad 1969 Quantrad 9555, BLAZER 2000, COMET, GALAXY
ST114E ST116LL ST116LLXL	QUANTRONIX Quantronix 114, 602, 603, Warranty 200 Hrs Quantronix 116, 604, 416, 4916, 4216 (Long Life) Warranty 400 Hrs Quantronix 116 laser lamp 800 hours lifetime

ST117LL Quantronix 117, 117E, 4217 (Long Life), Warranty 400 Hrs
 ST749 Quantronix 117 laser lamp 800 hours lifetime
 ST118 Quantronix 118, OTARI
 STDRS Quantronix DRS1, DRSII
 ST749A Quantronix 117 Laser lamp 800 hours lifetime, 40 Amps Maximum

RASEL

ST5126 Rasel Lamp MS6384AL, 20 Amps 156/162V
 ST5093 Rasel Laser, 20 Amps 154/160V

RAYTHEON

STSS500K Raytheon SS500, SS525, SS531, SS550, Krypton
 STSS500X Raytheon SS500, SS525, SS531, SS550, Xenon
 STRSS117 Raytheon SS-117
 STR323 Raytheon 117, 323
 STR380 Raytheon 380, 480, 484
 STR107RD Raytheon Ruby Driller
 STR371 Raytheon 371
 STR347 Raytheon 347
 STR136 Raytheon 136

ROFIN BAASEL

ST512AS Baasel 600, 80750-005, 131100029, 209-08890
 ST601S Baasel 601, 80750-006, 131100030, 202-08330
 ST601LL Baasel 601, 80750-006, 131100030, 202-08330
 ST166, NL5057A Baasel 2001, 6000, StarMark SM65, 80750-009, 131100032, 131100054, 209-08891
 ST209 Baasel 2001, 6000, StarMark SM90, 80750-008, 131100031, 202-08331
 ST700 Baasel StarMark SM150, 80750-029, 131100046, 209-10481
 ST800 Baasel Laser Epixan Alexandrite
 STXF889 Baasel StarCut 18, 4001, BLS27, BLS701, BLS710, BLS720, 80750-026, 131100043
 ST9600 Baasel StarWeld Performance, 80750-012, 131100035, 5000 Series, 6000 Series
 ST9615 Baasel StarWeld 80750-027
 ST2412 Baasel StarWeld Tool 100W, 80750-043, 131100052
 STJK37 Baasel StarWeld 150W, BLS730, 80750-010
 ST9674 Baasel StarWeld 250W, 80750-028, 131100132
 ST1122 Baasel StarWeld 500W, Xenon
 ST1123 Baasel StarWeld 500W, Krypton/Xenon, 80750-031

ROFIN SINAR

ST767 Rofin Sinar Evermark 8070, 815, 860,
 ST726 Rofin Sinar RSY90Q, RSY120Q, PowerLine, 751015A –NL5023 Equivalent
 ST9607 Rofin Sinar RSY300, 751-429, 131100084
 ST9601 Rofin Sinar Pulsed, 710824, 710799
 ST1445 Rofin Sinar RSY500, 710798

SCHWARTZ E-O

ST6834 Schwartz 1-2-3 HoYAG

SCITON

ST2062 Sciton IPL System

SEI

STQCW336 SEI 120W laser
 ST9300 SEI 80W laser

SLS BIOPHILE, ICN

STXF716 Chromos 694 Ruby, MEHL, Chromos 585 Dye laser, N Lite

SIEMENS

ST512AS Siemens Silamatic

SIMRAD

ST1803 Simrad LP1

STJK574 STK394	SIRO LASERTEC Siro Laser ALC35, ALO35, ALS35, Siro Laser ALS35S, SL50, SL50P, SL75, SL75P, SLI150, Thunder, Tornado, Hurricane, Thunderstorm
STK372 STK479 STPL50LL (LONG LIFE)	SISMA Sisma SL25, SL35 Sisma SL25, SL35 Laservall SL50, SL80, SL100, LM series
ST9858	SOLAR LASER SYSTEMS Solar laser 50J
ST570S ST4462S STDCR1 ST4539 STQCW324	SPECTRA PHYSICS/QUANTA-RAY Spectra Physics 3000, 3400 Spectra Physics 3800 Quanta Ray DCR1 Quanta Ray DCR2, DCRII, GCR Series, PRO 250-10, PRO 350, INDI series, LAB130, SP-0004-0725 Spectra Physics Merlin
STS26 STS27 STQXF166 STQXF169 STQXF182 ST1311 STXF390 ST1852 (LONG LIFE) ST1313 ST1010 STXF888 ST5129 (=ST5161H) ST2260 ST2260/50A STS62 STXF683 ST2343 ST8324	SPECTRON Spectron SL500W, SL501, SL501Q, SL50Q, SL501T, SL501TQ, F900-3 Spectron SL502, SL502Q, SL902, SL902Q, SL902T, SL902TQ, SL903, F900-4 Spectron SL400-800, SLD601, F400-3 (Oscillator) Spectron SL400-800, SLD613, F400-4 (Amplifier) Spectron SL1 Spectron F1220-4 Sharplan 5000 Ruby Spectron F1200-4, Sharplan 2000 Ruby, NWL Levante, Limmer Ruby Spectron SL502, SL502Q, SL902, SL902Q, SL902T, SL902TQ, SL903, F500-4 Spectron SL1302Q, SL1308TQ, F1500-5 Spectron SL603, F410-4C Spectron SL456G, F1200-2 Spectron F950-4 Spectron F5501-6 Spectron F5501-6P F5501-60P (50A 210-220V) Spectron 3580-3, Lasermatic Spectron SL852G, F450-2 Spectron SL1310, F900-5 Spectron 2w Yag
Enquire	SPEKTRUM GmbH Please specify laser model and lamp part number
ST5064	SURGICAL LASER TECHNOLOGY SLT 0300-6040
ST4678 ST6063 ST9504	SYLVANIA Sylvania 1610, Xenon Sylvania 1610, Krypton Sylvania GTE 612-1
ST4801	TECHNOMED Technomed MC2500
ST510S ST512AS ST708S ST4462S ST114	TERADYNE/TLSI/GENERAL SCANNING L.S.D. Teradyne 311, H-507 Teradyne 411, H-514, WD411 TLSI W614, W670 TLSI W614, W670 Teradyne M118

ST116LL Teradyne W419, W421, W429, W614, M118 (Long Life)
 ST116LLS Teradyne W419, W421, W429, W614, M118 (Long Life 600 hours)
 ST116LLXL Teradyne W419, W421, W429, W614, M118 (Long Life 800 hours)

TEXAS INSTRUMENTS

ST6016 Texas Instruments 803285-4

THALES

ST1788 Thales Saga lasers Nd:YAG 220/20, 220/10, Pulsed
 ST164 Thales Saga lasers Nd:YLF laser, 120/10, CW

THERMOLASE

ST8142 Thermolase Softlight

T.L.T.

ST4491S T.L.T. Model 800
 ST601S T.L.T. Model 1200, 1400
 ST117LL T.L.T. Model 2400, Quantronix 117, Long Life, 400hrs
 ST749 T.L.T. Model 2400, Quantronix 117, Extra Long Life, 600hrs

TOSHIBA/SHIBAURA

ST501 Toshiba LAY711, 614, 631, 20A, 140-162V
 STAY606 Toshiba LAY606A, 608A
 STAY803 Toshiba LAY803, P8FA013
 STAY806 Toshiba LAY806
 ST95 Toshiba LAY616, 618, Sharplan P8FC010
 ST114 Toshiba LAY612, 624
 ST325 Toshiba OTARI, LAY791, P8FC013
 STQCW18 Toshiba LAY714, 651, 717, 601, 602, 603
 STAY600 Toshiba LAY600A, C, D
 STAY601 Toshiba LAY601, 602, 603, 619, P8FA019
 STAY605A Toshiba LAY605A
 ST4465B Toshiba P8FC011, 20A, 145-155V
 ST5024 Toshiba LAY729EB-5AP, 3000W P8FC016A LAY664D
 ST5092 Toshiba P8FC018D, P8FC018E
 ST9756 Toshiba P8FA002
 ST4465A Toshiba P8FC011, 20A 151-155V
 ST5093 Toshiba P8FC011, 20A 154-160V
 ST7760 Toshiba LAY729GC
 ST6925 Toshiba P8FA013B
 ST9753 Toshiba LAY822A/B, P8FA018
 STXF1124 Toshiba 600W LAY828HA, P8FA024
 ST5147 Toshiba UYH-01900, 100W laser, P8FC019B
 ST600 Toshiba P8FC018B
 ST5149 Toshiba LAY688, 2kW laser, P8FC020
 ST5145 Toshiba P8FC018E, P8FC018F

TRUMPF/HAAS

STS27 VectorMark (Standard Version)
 ST1852 VectorMark (Long Life Version)
 ST2000 HL353D, HL556D, HL703D, HL1003D, HL1006D, HL1504D, HL2006D, HL3006D,
 HL4006D, 759082, 01-04-23-00 (Standard Version)
 ST9000 HL353D, HL556D, HL703D, HL1003D, HL1006D, HL1504D, HL2006D, HL3006D,
 (old model ST1000LL) HL4006D, 1252860, 01-04-34-00 (Long Life Version)
 ST260 HL124P

UNIVERSAL LASER SYSTEMS

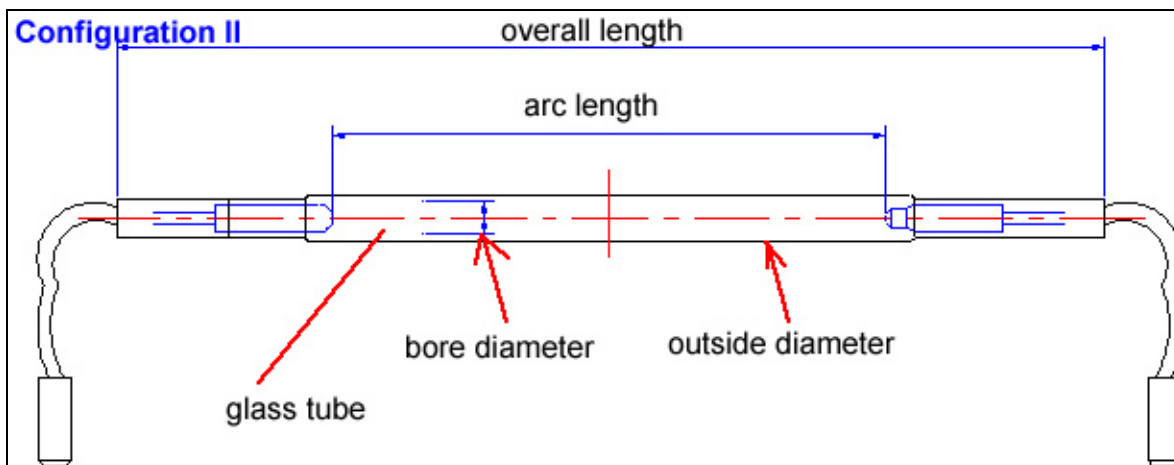
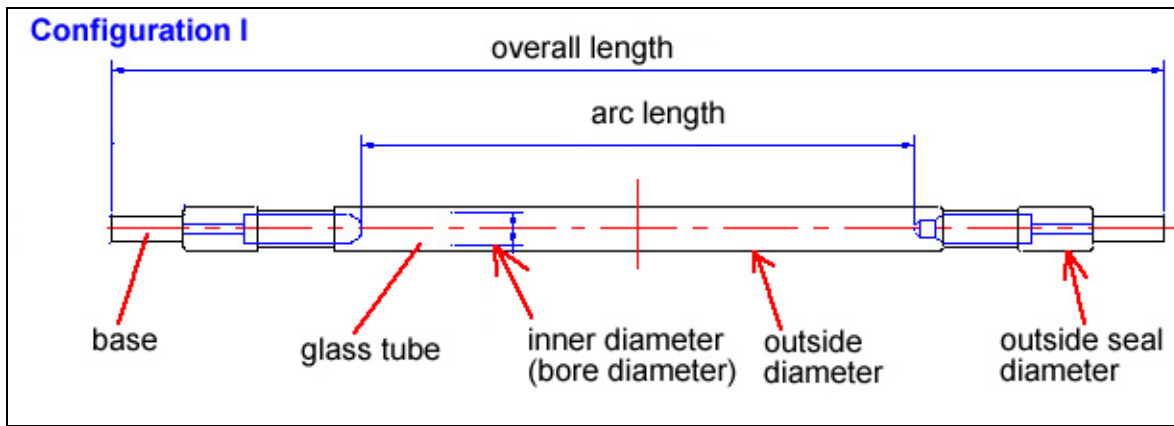
ST708S LEE 808, 812, 20 Amp Lamp, High Stability
 ST4462S LEE 808, 812, 29 Amp Lamp

U.S. LASER

ST521 US Laser Model 403TQ3

ST5132	USHIO 40W laser system
ST9654 ST9656 ST250H	VISION LASERTECHNIK GMBH / VISION LASER Vector Vision laser 50W Vector Vision laser 100W (LWI III) Vision laser (LWI IV)
STXF701 ST8280 ST5001 STXF889 ST520BC ST800	WAVELIGHT Wavelight Burane Er:YAG Wavelight Lyra, LSY BL12 Wavelight Venus Er:YAG Wavelight Arion Wavelight Aura & Orion, LSY BL3 Wavelight Alexandrite EpiXan
ST7078	WORLD OF MEDICINE UV-100
ST1062	XENOLITE Xenolight IPL system
ST601LL	ZANOBONI Zanaboni 60W Marking System

Form of Specifications of Lamps



	Required	Remark
Operation mode & configuration		
CW or pulse		
Configuration I or Configuration II		
Mechanical		
Filled gas (Kr or Xe)		
Filled gas pressure (torr)		
Glass tube: bore diameter (mm)		
Glass tube: outside diameter (mm)		
Arc length (mm)		
Overall length (mm)		
Base: diameter (mm)		
Base: length (mm)		
UV filtering (needed or not)		
Electrical		
Max. voltage (V)		
Max. current (A)		
Max. power (W)		
Trigger voltage (V)		
Quantity (pcs)		
Additional information		

If the buyer does not know the above parameters, please provide following parameters:

	Specification	Remark
Manufacturer of machine		
Model of machine		
CW or pulse		
Laser power		