

LAMP PUMPED LASER HEADS

High performance and reliability



Part No: CHBA3117

LASER SYSTEMS: Quantronix 117, 117E; Excalibur XLS572; Orziv 2001; TLT 2400; Configured for 18 Watts TEM₀₀ mode.

DESCRIPTION: Single-Lamp Pumped Solid-State Laser Chamber used for precision material processing applications such as diamond sawing, cutting, bruting, shaping, kerfing and marking

ASSEMBLIES:

REFERENCE	PART NUMBER	DESCRIPTION
1	ORK3117	O-Ring Kit for 3 mm Rod
2	GCA117	Gold Cavity Assembly, Complete
3	BA117	Head Block Assembly (Less Cavity Reflector, YAG Rod & Lamp Assembly)
4	HBA117E	Head Block Assembly (Less YAG Rod & Lamp Assembly)
5	CHBA3117E	Complete Head Block Assembly (Includes 3 mm Rod)

NEW UP-GRADE ASSEMBLIES:

1	YRA1173ENHA	YAG Rod Assembly Complete, Fitted with new hardware yielding Low Noise and Enhanced Performance, 3 mm × 108 mm YAG Rod
2	RFTA1173ENHA	YAG Rod Assembly Complete, Less 3 mm YAG Rod

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LASER HEAD COMPONENTS:

REFERENCE	PART NUMBER	DESCRIPTION
1	CHI17T	Cavity Reflector, Top
2	CHI17B	Cavity Reflector, Bottom
3	GCEI17	Gold Cavity Reflector
4	CM114	Coolant Manifold Required for Water Fittings
5	CEP114	Cavity End Plate
6	WIB117	Water Inlet Block
7	LS117	Light Shield Sleeve
8	SEE KIT	O-Ring, Silicone (Included in Kit)
9	LHB117	Lower Head Block
11	CPP114	Crystal Pressure Plate, Front
12	LPP114	Lamp Pressure Plate, Front
14	LEP114	Lamp End Plate
16	UHB117	Upper Head Block
17	WF033	Water Fitting for Coolant Manifold CM114
19	YR1173A	YAG Rod, 3 mm, Unmounted, TEM ₀₀
21	YRA1173ENHA	YAG Rod Assembly Complete, 3 mm Rod, TEM ₀₀ , Enhanced, Low Noise
23	RFT117ENHA	Rod Flow Tube
24	YRHI173ENHA	YAG Rod Holder, 3 mm Rod
27	PR116	Pressure Ring
28	RR116	Retaining Ring
29	CNI17	Crystal Nut
30	ORS3MM	O-Ring Silicone, 3 mm
32	PT1173ENHA	Pressure Tube, 3 mm
34	LFT117	Lamp Flow Tube, Pyrex
35	LFT117CE	Lamp Flow Tube, Cerium Doped Quartz
36	LL117LL	Laser Lamp, 400 Hrs
37	LL117LLS	Laser Lamp, 600 Hrs
38	PW149	Pressure Washer
39	CSA116	Cathode Socket Assembly
40	ASA116	Anode Socket Assembly
41	ORN804	O-Ring Nitrile (10PCES/PKT)
42	THR150	Threaded Retainer

FREQUENTLY USED CONSUMABLES:

REFERENCE	ITEM	PART NUMBER
1	LFT117	Lamp Flow Tube, Pyrex
2	LFT117CE	Lamp Flow Tube, Ce doped quartz
3	ASA116	Anode Socket Assembly
4	CSA116	Cathode Socket Assembly
5	LL117LL	Laser Lamp, 400 Hrs
6	LL117LLS	Laser Lamp, 600 Hrs
7	MR2M80RHC, 80%	Front Mirror
8	MR2M100RHC, HR	Rear Mirror
9	D8822	DI Cartridge
10	PF30	Particle Filter

Other consumables upon request.

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