

LAMP PUMPED LASER HEADS

High performance and reliability



Part No: CHBA9800/C

LASER SYSTEMS: Laser SOS Model SOS500WQSS, 500 Watt Multimode

DESCRIPTION: Single-Lamp Pumped Solid-State Laser Chamber used for marking, deep engraving applications, cutting and welding

ASSEMBLIES:

REFERENCE	PART NUMBER	DESCRIPTION
1	ORK9800	O-Ring Kit 8mm Rod
2	GC9000	Gold Cavity Assembly, Complete (Less Teflon Light Shields)
3	BA9800	Head Block Assembly (Less Cavity, YAG Rod, Lamp & Carriage)
4	HBA9800	Head Block Assembly (Less YAG Rod, Lamp & Carriage)
5	CHBA9800	Head Block Assembly, Complete (Less Carriage),
6	CHBA9800/C	Complete Head Block Assembly, 8mm Rod
7	YRA8178	YAG Rod Assembly, Mounted, 8mm Rod

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LASER HEAD COMPONENTS:

REFERENCE	PART NUMBER	DESCRIPTION
1	HB530	Head Bolt, Stainless Steel
2	H5B	Head Bolt Washer, Stainless Steel
3	HBW510	Head Bolt Washer, Nylon
4	FIN9000	Heat Sink, Aluminium
5	UHB9000	Upper Head Block
6	GCE900	Cavity Ellipse, Gold Plated
7	CEP530R	Cavity End Plate, Right
8	CEP530L	Cavity End Plate, Left, Gold Plated
9	RFT9800SM	Rod Flow Tube, Doped
10	LFT9000	Lamp Flow Tube
13	LL8000	Krypton Arc Lamp, 50A-255V
14	TLSKIT9800	Teflon Light Shield Kit
15	LCB818L	Lamp Clamp Assembly (LCB818R not shown)
16	LTB818L	Lamp Terminal Block (LTB818R not shown)
17	YR8178	YAG Rod, Crystal Only, 6.35mm Rod
19	YRA8178	YAG Rod Assembly, Mounted, 6.35mm Rod
21	DB9800WC	Dust Boot, Water Cooled
22	LC708	Lamp Clip
23	SEE KIT	O-Ring, (included in kit)
24	RG9800	Rod Guide
25	SEE KIT	O-Ring, (included in kit)
26	ORT8MM	O-Ring, Teflon 8mm Rod
28	LHB9800	Lower Head Block
29	LHC9000	Head Carriage
30	HVC800	Cable Cap
31	DOWTYSEAL	Water Sealing Ring
32	SEE KIT	O-Ring, (included in kit)
33	WF047	Water Fitting, Barbed
34	WF049	Water Fitting 3/4" - 1/2"
35	HVP776	High Voltage Pin, Gold Plated
36	CLA500	Carriage Locking Assembly
37	WF016/1	Elbow Water Fitting, 5/8", Swagelok
38	WF016/2	Elbow Water Fitting, 5/8", Barbed
39	WFO16	Elbow Water Fitting, 5/8", No QS
40	WF022	Water Fitting, 5/8", Stainless Steel

FREQUENTLY USED CONSUMABLES:

Reference	Item	Part Number
1	Lamp, 40Amp	LL854
2	Lamp Flow Tube	LFT9000
3	Rod Flow Tube	RFT9800SM
4	DI Cartridge	DII 50
5	Front Mirror 80%	MR3M80RHC
6	Front Mirror 90%	MR3M90RHC
7	Rear Mirror HR	MR3MI00RHC

Other consumables upon request.

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