

# LAMP PUMPED LASER HEADS

High performance and reliability



**Part No: CHBA7183/C**

**LASER SYSTEMS:** Lee Laser 718 TQ, Sahajanand Laser, 18W TEM00

**DESCRIPTION:** Single-Lamp Pumped Solid-State Laser Chamber used for processing diamonds.

## ASSEMBLIES:

REFERENCE	PART NUMBER	DESCRIPTION
1	ORK7183	O-Ring Kit
2	GC718	Gold Cavity Assembly, Complete (Less Teflon Light Shields)
3	GCA718	Gold Cavity Assembly, Complete (Includes Teflon Light Shields)
4	BA718	Head Block Assembly (Less Cavity, YAG Rod, Lamp & Carriage)
5	HBA718	Head Block Assembly (Less YAG Rod, Lamp & Carriage)
6	CHBA7183	Head Block Assembly, Complete (Less Carriage)
7	CHBA7183/C	Complete Head Block Assembly

## Part No: CHBA7183/C

### LASER HEAD COMPONENTS:

REFERENCE	PART NUMBER	DESCRIPTION
1	HB708	Head Bolt, Stainless Steel
2	H2	Stainless Steel Washer
3	HBW510	Nylon Washer
4	FIN718	Heat Sink, Aluminium
5	UHB718	Upper Head Block
6	CEP708L	Cavity End Plate, Left, Gold
7	LC708	Lamp Contact Band, Gold
8	LFT718	Lamp Flow Tube
9	RFT718	Rod Flow Tube, Doped
10	LL5028	Krypton Arc Lamp, 30 Amps
11	GCE718	Cavity Ellipse, Gold
12	ORK7183	O-Rings (Included in Kit)
13	HVP708	High Voltage Pin
14	LMB555	Lamp, Mounting Block, Screw
15	LCB708	Lamp Contact Block
16	LTB708	Lamp Terminal Block
17	LHB718	Lower Head Block
18	LHC718	Lower Head Carriage
19	CLA500	Carriage Locking Assembly
20	ORK7183	O-Ring (Included in Kit)
21	WF049	Water Fitting 5/8" O.D., Stainless Steel
22	YRI173A	YAG Rod, 3 mm Dia, TEM <sub>00</sub> , Unmounted
23	YRA7183	YAG Rod Assembly, Mounted
24	ORK7183	O-Ring (Included in Kit)
25	RG708	Rod Guide
26	REC718	Rod End Cap
27	DB718	Dust Boot
28	ORK7183	O-Ring (Included in Kit)
29	CEP708R	Cavity End Plate, Right, Gold
30	LS708U	Teflon Light Shield, Upper (Sold as TLS708KIT)
31	TLS718U	Teflon Light Shield, Upper (Sold as TLS718KIT)
32	LS708L	Teflon Light Shield, Lower (Sold as TLS708KIT)
33	WF022	Water Fitting, Reducer 1/2" O.D.
34	TLS718L	Teflon Light Shield, Lower (Sold as TLS718KIT)
35	WF016/2	Elbow Fitting 5/8" Nylon, Q-Switch Barb
36	H79	Stainless Steel Spilt Washer

### FREQUENTLY USED CONSUMABLES:

REFERENCE	ITEM	PART NUMBER
1	Lamp, 30Amp	LL5028
2	Lamp Flow Tube	LFT718
3	Rod Flow Tube	RFT718
4	Front Mirror 80% R	MR3M80RHC
5	Rear Mirror HR	MR3M100RHC
6	DF Cartridge	D700

Other consumables upon request.

# LAMP PUMPED LASER HEADS

High performance and reliability

Part No: CHBA7183/C

