

LAMP PUMPED LASER HEADS

High performance and reliability



Part No: CHBA353/C

LASER SYSTEMS: LASER S.O.S. Compact Series, 25W TEM₀₀

DESCRIPTION: Single-Lamp Pumped Solid-State Laser Chamber used for precision material processing such as diamond processing, marking, engraving

ASSEMBLIES:

REFERENCE	PART NUMBER	DESCRIPTION
1	ORK353	O-Ring Kit 3 mm Rod
2	GC350	Gold Cavity Assembly, Complete
3	BA350	Head Block Assembly (Less Cavity, YAG Rod, Lamp & Carriage)
4	HBA353	Head Block Assembly (Less YAG Rod, Lamp & Carriage)
5	CHBA353	Head Block Assembly (Less Carriage), 3 mm Rod
6	CHBA353/C	Complete Head Block Assembly, 3 mm Rod

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LASER HEAD COMPONENTS:

REFERENCE	PART NUMBER	DESCRIPTION
1	HB300	Head Bolt, Stainless Steel
2	FIN350	Head Sink, Aluminium
3	UHB350	Upper Head Block
4	CEP300	Cavity End Plate
5	GCE350	Cavity Ellipse, Gold Plated
6	RFT350	Flow Tube, Rod
7	FT450	Flow Tube, Lamp
8	LL9300	Laser Lamp, 30 A
10	YRH333	YAG Rod Holder, 3 mm Rod
11	LC708	Lamp Contact Band, Gold Plated
12	LCB300	Lamp Contact Block
13	LTB300	Lamp Terminal Block
14	YRA453	YAG Rod Assembly, 3 × 108 mm Rod, TEM ₀₀
15	ORT3MM	O-Ring, Teflon, 3 mm Rod
16	REC300	Rod End Cap
17	RG300	Rod Guide
18	DB300	Dust Boot
19	ORK353	O-Ring, Silicone (Included in Kit)
20	ORK353	O-Ring, Silicone (Included in Kit)
21	LHB350	Lower Head Block
22	LHC350	Lower Head Carriage
23	HVP570	High Voltage Pin
24	WF012	Water Fittings 3/4" – 16 × 1/2"
25	WF021/2	Elbow Water Fitting, 1/2" for Q-Switch
26	WF041	Water Fitting, S/S
27	CLA500	Carriage Locking Assembly
28	HVC800	High Voltage Cap
29	YRI173B	YAG Rod, 3 × 108 mm, TEM ₀₀ , Unmounted

FREQUENTLY USED CONSUMABLES:

REFERENCE	ITEM	PART NUMBER
1	Lamp, 30 Amp	LL5028
2	Lamp Flow Tube	FT450
3	Rod Flow Tube	FT350
4	O-Ring Kit	ORK353
5	DI Cartridge	D150
6	Particle Filter	PF75
7	Front Mirror	MR3M80RHC
8	Rear Mirror HR	MR3M100R1MCXHC
9	Rear Mirror HR	MR3M100RHC

Other consumables upon request.

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