

LAMP PUMPED LASER HEADS

High performance and reliability



Part No: CHBA620/C

LASER SYSTEMS: Control Laser 620, 18W TEM₀₀

DESCRIPTION: Single-Lamp Pumped Solid-State Laser Chamber used for laser trimming, wafer marking & diamond processing.

ASSEMBLIES:

REFERENCE	PART NUMBER	DESCRIPTION
1	ORK620	O-Ring Kit
2	GC258	Gold Cavity Assembly, Complete
3	BA620	Head Block Assembly (Less Cavity, YAG Rod, Lamp & Carriage)
4	HBA620	Head Block Assembly (Less YAG Rod, Lamp & Carriage)
5	CHBA620	Head Block Assembly, Complete (Less Carriage)
6	CHBA620/C	Complete Head Block Assembly

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LASER HEAD COMPONENTS:

REFERENCE	PART NUMBER	DESCRIPTION
1	HB612	Head Bolt, Stainless Steel
2	HBW510	Head Bolt Washer, Nylon
3	FIN512	Heat Sink, Aluminium
4	UHB620	Upper Head Block
5	GCE258	Cavity Ellipse, Gold Plated
6	CEP258R	Cavity End Plate, Right, Gold Plated
7	CEP258L	Cavity End Plate, Left, Gold Plated
8	RFT258	Rod. Flow Tube
9	LFT258X	Lamp Flow Tube
10	LL520S	Krypton Arc Lamp, 40 Amps (Standard)
12	ORK620	O-Ring, Silicone (Included in Kit)
13	LVB612	Lamp V-block
14	ORK620	O-Ring, Silicone (Included in Kit)
15	LHB620	Lower Head Block
16	LHC612	Lower Head Carriage
17	RFT258C	Rod Flow Tube, Doped
18	ORT3MM	O-Ring, 3 mm, Teflon
19	CLA500	Carriage Locking Assembly
20	YRA620	YAG Rod Assembly, Mounted, TEM ₀₀
21	YR258	YAG Rod, Crystal Only, 3 mm Rod, TEM ₀₀
22	RG510	Rod Guide
23	REC510	Rod End Cap
24	DB510	Dust Boot
25	HVP510	High Voltage Pin
26	HVI510	High Voltage Insulators (2 pces)
27	SNY632	Nylon Screw, 6-32 × 1/4"
28	WF013	Water Fitting, 3/4 – 16 × 5/8"
29	WF016	Water Fitting, Head Block & Stainless Steel Q-Switch
30	LCA512	Lamp Clamp – Not Shown
31	LC510	Lamp Retaining Clip, Gold – Not Shown
32	LLF620	Lamp Lifter – Not Shown

REQUENTLY USED CONSUMABLES:

REFERENCE	ITEM	PART NUMBER
1	Lamp, 40 Amp	LL520S
2	Lamp Flow Tube	LFT258X
3	Rod Flow Tube	RFT258
4	Front Mirror 80% R	MR3M80RHC
5	Front Mirror 90% R	MR3M90RHC
6	Rear Mirror HR	MR3MI00RHC
7	DI Cartridge	D8822
8	Particle Filter	PF10
9	Lamp V-Block	LVB612

Other consumables upon request.

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