

LAMP PUMPED LASER HEADS

High performance and reliability



Part No: CHBA600/C

LASER SYSTEMS: Baasel Lasertechnik 600, 601, 612, 615; AB Lasers; M. Pfaffen DS-5000, Zanaboni, 60W Multimode.

DESCRIPTION: Single-Lamp Pumped Solid-State Laser Chamber used for precision marking & engraving applications.

ASSEMBLIES:

REFERENCE	PART NUMBER	DESCRIPTION
1	ORK600	O-Ring Kit
2	GC600	Gold Cavity Assembly, Complete
3	BA600	Head Block Assembly (Less Cavity, YAG Rod, Lamp & Carriage)
4	HBA600	Head Block Assembly (Less YAG Rod, Lamp & Carriage)
5	CHBA600	Head Block Assembly, Complete (Less Carriage)
6	CHBA600/C	Complete Head Block Assembly

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LASER HEAD COMPONENTS:

REFERENCE	PART NUMBER	DESCRIPTION
1	HB600	Head Bolt, Stainless Steel
2	FIN6000	Heat Sink, Aluminium
3	UHB600	Upper Head Block
4	ORK600	O-Rings (Included in Kit)
5	GCE600	Cavity Ellipse, Gold Plated
6	CEP600U	Cavity End Plate, Upper
7	CEP600L	Cavity End Plate, Lower
8, 9, 12, 13	LCA600	Lamp Clamp Assembly, Gold Plated
10	LL601S	Krypton Arc Lamp 30A, Ball Connector, 80750-006
11	LL512AS/LL512BS	Krypton Arc Lamp, 20A, Ball Connector, 80750-005/ 80750-015
14	LTB600	Lamp terminal Block Assembly, Gold Plated
14a	H41A	M3 × 6 Machined Head Screws
14b	LVB600	Lamp V-Block
14c	ORK600	O-Ring (Included in Kit)
14d	LTP600	Lamp Terminal Post
15	YRA6479	YAG Rod Assembly, Mounted, Multimode
16	YR479	YAG Rod, 4 mm Dia, Multimode
17	ORK600	O-Ring (Included in Kit)
18	DB600	Dust Boot
19	REC600	Rod End Cap
20	RG510	Rod Guide
21	ORK600	O-Ring (Included in Kit)
22	LFT512	Lamp Flow Tube
23	LHB600	Lower Head Block
24	LHC600	Lower Head Carriage
25	H113	M10 Nylon Nut
26, 29	HVI600	High Voltage Insulators
27	H7	M5 Stainless Steel Washer
28, 30	HVP600	High Voltage Pin
31	CLA600	Carriage Clamp Assembly
32	WF032	Water Fitting, Head Block & Q-Switch
33	H26	M4 × 50 Stainless Steel Screw
34	RFT512C	Rod Flow Tube, Cerium Doped
35	TLS600	Teflon Light Shield
36	YR512	YAG Rod, 4 mm Dia, TEM ₀₀
37	YRA6512	YAG Rod Assembly, Mounted, TEM ₀₀

FREQUENTLY USED CONSUMABLES:

REFERENCE	ITEM	PART NUMBER
1	Lamp, 20 Amps	LL512AS (20A, 145-155V), LL512BS (20A, 155-165V)
2	Lamp Flow Tube	LFT512
3	Rod Flow Tube	RFT512C
4	Lamp 30 Amps	LL601S
5	Lamp 30 Amps	LL601LL Long Life
6	Front Mirror 80%	MR3M80R1MCXHC
7	Rear Mirror HR	MR3M100RHC
8	Particle Filter	PF9/BAASEL
9	DI Cartridge	D8822

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