

LCN03 (Manual 3KW)

low-power manual focusing cutting head



Technical Data

Model	LCN03
Interface types	QBH
Applicable Wavelength	1080±10nm
Rated power	3KW
Focal Length	125 mm/150mm
Collimating Focal Length	100 mm
Nozzle	Various Models and Specifications
Focus Adjustment Range	-7 mm~+6mm
Alignment Adjustment Range	±1mm
Gas Pressure	≤3Mpa
Weight	2KG



	Part Number	Reference	Description
Upper Protective Window Module			
Protective Window	LPTO11-3050E		
	LOSO11-3050S-O*	PMD30T5	
Collimation Module			
Fiber Collimating Lens	LOSO17-C100N03CP-O*	DF100D30	D30-C100 biconvex lens and meniscus lens
Fiber Collimating Lens Assembly	LOSO17-C100N03-O*		D30-C100
Focusing Module			
Fiber Focusing Lens	LOSO01-F125N03FP-O*	DF125D30	D30-F125 biconvex lens and meniscus lens
	LOSO01-F150N03FP-O*	DF150D30	D30-F150 biconvex lens and meniscus lens
Fiber Focusing Lens Assembly	LOSO01-F125N03-O*	D30-F125	
	LOSO01-F150N03-O*	D30-F150	
Lower Protective Window Module			
Middle Focus Protective Window	LPTO11-3050S		D30*5.0
	LOSO11-3050S-O*	PMD30T5	D30*5.0
Lower Protective Window	LPTO11-3050S		D30*5.0
	LOSO11-3050S-O*	PMD30T5	D30*5.0
Axial Gasket	LOSC08-3226-O*		D32*26*3
	LOSC08-3226		D32*26*3
Nozzle Assembly Module			
Nozzle Assembly	LOSE14-NB01*		2D F125
	LOSE14-NB01A		2D F125
	LOSE14-NB03*		2D F150
	LOSE14-NC04*		3D F150
	LOSE14-NC04A		3D F150
Nozzle Holder	LOSC09-FC02		2D D28H11.7M11
	LOSC09-FC02-O*		2D D28H11.7M11
	LOSC09-FC40		3D D21.4H13M8
	LOSC09-FC40-O*		3D D21.4H13M8
Nozzle	LPTN01-59XX		2D single D28H15M11
	LPTN02-59XX		2D double D28H15M11
	LCKN01-19XX		3D single D15H19M8
	LCKN02-19XX		3D double D15H19M8

LCS03C (AUTO 3KW)

Electric Focusing Laser Cutting Head



Technical Data

Model	LCN03
Interface types	QBH
Applicable Wavelength	1080±10nm
Rated power	3KW
Focal Length	125 mm/150mm
Collimating Focal Length	100 mm
Nozzle	Various Models and Specifications
Focus Adjustment Range	-7 mm~+6mm
Alignment Adjustment Range	±1mm
Gas Pressure	≤3Mpa
Weight	2KG



	Part Number	Reference Number	Description
Upper Protective Window Module			
Protective Window	LPTO11-2120E		D21.5*2.0
	LOSO11-2120S-O*	PMD21.5T2	D21.5*2.0
Collimation Module			
Fiber Collimating Lens	LOSO17-C100S03CCP-O*	DF100D30	D30-C100 biconvex lens and meniscus lens
Fiber Collimating Lens Assembly	LOSO17-C100S03C-O*	CL-S02-A038-R03-F127A-H01	D30-C100
Focusing Module			
Fiber Focusing Lens	LOSO01-F125S03CFP-O*	DF125D30	D30-F125 biconvex lens and meniscus lens
	LOSO01-F150S03CFP-O*	DF150D30	D30-F150 biconvex lens and meniscus lens
	LOSO01-F200S03CFP-O*	DF200D30	D30-F200 biconvex lens and meniscus lens
Fiber Focusing Lens Assembly	LOSO01-F125S03C-O*		D30-F125
	LOSO01-F150S03C-O*	FL-S02-A038-R03-F129A-H01	D30-F150
	LOSO01-F200S03C-O*		D30-F200
Lower Protective Window Module			
Middle Focus Protective Window	LPTO11-3050S		D30*5.0
	LOSO11-3050S-O*	PMD30T5	D30*5.0
Lower Protective Window	LPTO11-3050S		D30*5.0
	LOSO11-3050S-O*	PMD30T5	D30*5.0
Axial Gasket	LOSC08-3226-O*		D32*26*3
	LOSC08-3226		D32*26*3
Nozzle Assembly Module			
Nozzle Assembly	LOSE14-CB20*		2D F125
	LOSE14-CB20A		2D F125
	LOSE14-CB21*		2D F150
	LOSE14-CB21A		2D F150
	LOSE14-CB22*		2D F200
	LOSE14-CC23*		3D F125
	LOSE14-CC24*		3D F150
	LOSE14-CC24A		3D F150
	LOSE14-CC25*		3D F200
Nozzle Holder	LOSC09-FC02		2D D28H11.7M11
	LOSC09-FC02-O*		2D D28H11.7M11
	LOSC09-FC40		3D D21.4H13M8
	LOSC09-FC40-O*		3D D21.4H13M8
Nozzle	LPTN01-59XX		2D Single D28H15M11
	LPTN02-59XX		2D Double D28H15M11
	LCKN01-19XX		3D Single D15H19M8
	LCKN02-19XX		3D Double D15H19M8

LCR03(Manual 4KW 3D)

3D fiber laser cutting head



Technical Data

Model	LCN03
Interface types	QBH
Applicable Wavelength	1080±10nm
Rated power	3KW
Focal Length	125 mm/150mm
Collimating Focal Length	100 mm
Nozzle	Various Models and Specifications
Focus Adjustment Range	-7 mm~+6mm
Alignment Adjustment Range	±1mm
Gas Pressure	≤3Mpa
Weight	2KG



	Part Number	Reference Number	Description
Upper Protective Window Module			
Protective Window	LPTO11-2120E		D21.5*2.0
	LOSO11-2120S-O*	PMD21.5T2	D21.5*2.0
Collimation Module			
Fiber Collimating Lens	LOSO17-C75R03CP-O*	DF75D30	D30-C75 biconvex lens and meniscus lens
Fiber Collimating Lens Assembly	LOSO17-C75R03-O*	CL-S02-A040-R03-F139A-H01	D30-C75
Focusing Module			
Fiber Focusing Lens	LOSO01-F125R03FP-O*	DF125D30	D30-F125 biconvex lens and meniscus lens
	LOSO01-F150R03FP-O*	DF150D30	D30-F150 biconvex lens and meniscus lens
Fiber Focusing Lens Assembly	LOSO01-F125R03-O*		D30-F125
	LOSO01-F150R03-O*	FL-S02-A040-R03-F140A-H01	D30-F150
Lower Protective Window Module			
Middle Focus Protective Window	LPTO11-3050S		D30*5.0
	LOSO11-3050S-O*	PMD30T5	D30*5.0
Lower Protective Window	LPTO11-3050S		D30*5.0
	LOSO11-3050S-O*	PMD30T5	D30*5.0
Axial Gasket	LOSC08-3226-O*		D32*26*3
	LOSC08-3226		D32*26*3
Nozzle Assembly Module			
Nozzle Assembly	LOSE14-MC03*		3D F150
Nozzle Holder	LOSC09-FC40		3D D21.4H13M8
	LOSC09-FC40-O*		3D D21.4H13M8
Nozzle	LCKN01-19XX		3D Single D15H19M8
	LCKN02-19XX		3D Double D15H19M8

LCR04(AUTO 4KW 3D)

3D fiber laser cutting head



Technical Data

Model	LCR04
Interface Type	QBH
Wavelength	1080±10nm
Rated Power	≤4KW
Focus Length	150mm
Collimation Length	75mm
Focusing Range	-24mm~+20mm
Centering Range	±1.5mm
Focusing Speed	≤200mm/s
Repeated Positioning Accuracy of Focusing Axis	0.05mm
Focusing Stroke	12mm
Focusing Speed	≤50mm/s
Follow-up Stroke	27mm
Follow-up Speed	≤250mm/s
Gas Pressure	≤2.5Mpa
Weight	7.0KG



	Part Number	Reference Number	Description
Upper Protective Window Module			
Protective Window	LPTO11-2120E		D21.5*2.0
	LOSO11-2120S-O*	PMD21.5T2	D21.5*2.0
Collimation Module			
Fiber Collimating Lens	LOSO17-C75R04CP-O*	DF75D30	D30-C75 biconvex lens and meniscus lens
Fiber Collimating Lens Assembly	LOSO17-C75R04-O*	CL-S02-A015-R01-F033A-H02	D30-C75
Focusing Module			
Fiber Focusing Lens	LOSO01-F150R04FP-O*	DF150D30	D30-F150 biconvex lens and meniscus lens
Fiber Focusing Lens Assembly	LOSO01-F150R04-O*	FL-S02-A015-R03-F034A-H01	D30-F150
Lower Protective Window Module			
Middle Focus Protective Window	LOSO11-2540S-O*	PMD25.4T3	D25.4*3.0
Lower Protective Window	LOSO11-2540S-O*	PMD25.4T3	D25.4*3.0
Axial Gasket	LOSC08-2620-O*		26*19.4*3
	LOSC08-2620		26*19.4*3
Nozzle Assembly Module			
Nozzle Assembly	LOSE14-MC01*		3D F150
Nozzle Holder	LOSC09-FC40		3D D21.4H13M8
	LOSC09-FC40-O*		3D D21.4H13M8
Nozzle	LCKN01-19XX		3D Single D15H19M8
	LCKN02-19XX		3D Double D15H19M8

LCM08B0/LCM15B0 (AUTO 8KW/15KW)

Auto Focusing Fiber Laser Cutting Head



Technical Data

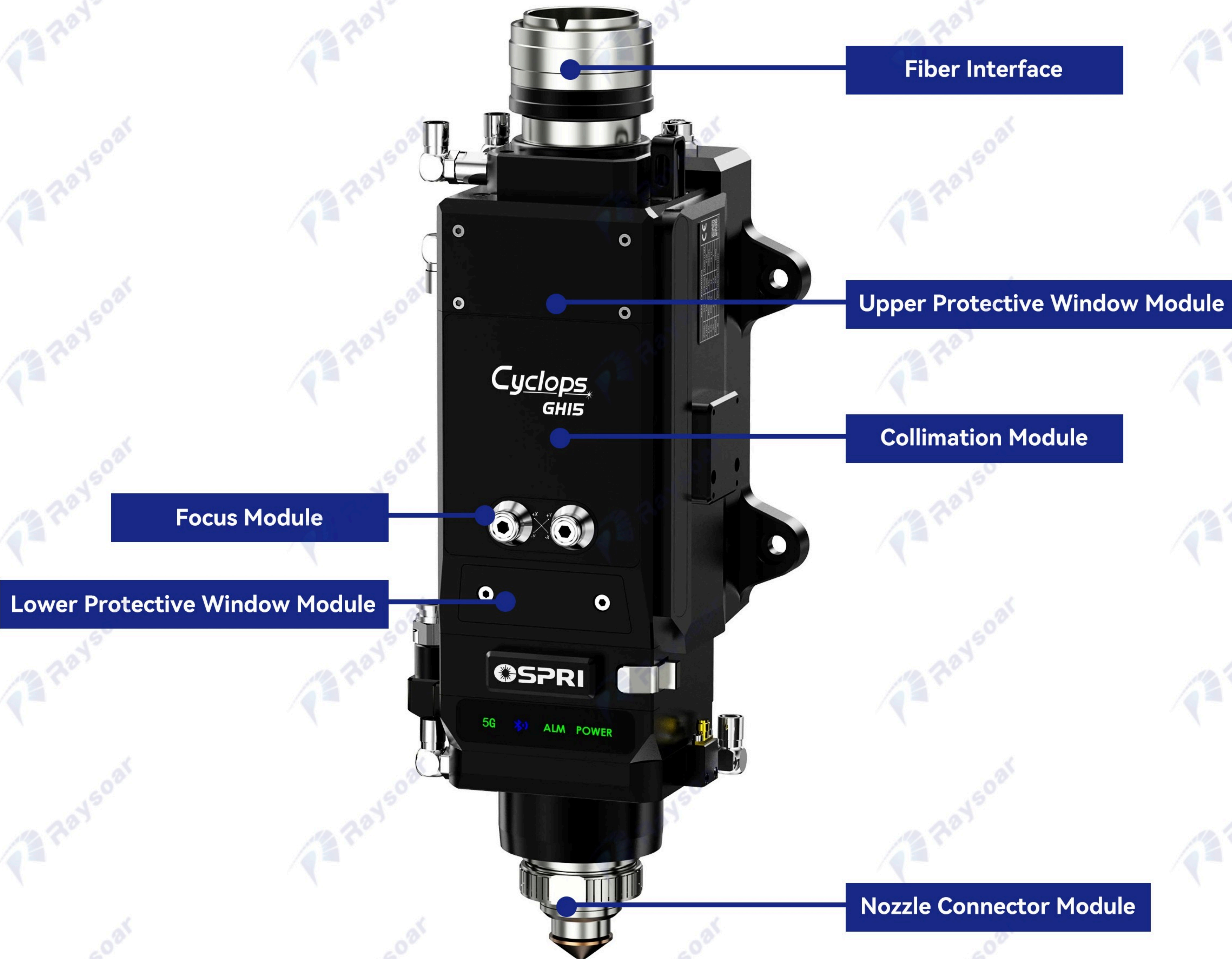
Type	Auto Focus Fiber Laser Cutting Head
Model	LCM08B0/LCM15B0
Wavelength	1080±10nm
Rated Power	8kw/15kw
Focal Length	150mm/200mm/250mm
Collimation Length	100mm
Focusing Range	-20mm~+15mm / -38mm~+30mm
Centering Adjustment Range	±1.5mm
Focusing Speed	100mm/s
Auxiliary Gas Pressure	≤3MPa
Weight	5kg ~5.5kg



	Part Number	Reference Number	Description
Upper Protective Window Module			
Protective Window	LOSO11-2120S08-O*	PMD21.5T2	D21.5*2.0 8KW
	LOSO11-2120P-O*	PMD21.5T2	D21.5*2.0 15KW
Collimation Module			
Fiber Collimating Lens	LOSO17-C100M08B0CP-O*	DF100D37	D37-C100 biconvex lens and meniscus lens 8KW
	LOSO17-C100M15B0CP-O*	DF100D37	D37-C100 biconvex lens and meniscus lens 15KW
Fiber Collimating Lens Assembly	LOSO17-C100M08B0-O*	CL-S03-A051-R03-F217A-H03	D37-C100 8KW
	LOSO17-C100M15B0-O*	CL-S04-A052-R03-F225A-H03	D37-C100 15KW
Focusing Module			
Fiber Focusing Lens	LOSO01-F150M08B0FP-O*	DF150D37	D37-F150 biconvex lens and meniscus lens 8KW
	LOSO01-F200M08B0FP-O*	DF200D37	D37-F200 biconvex lens and meniscus lens 8KW
	LOSO01-F250M08B0FP-O*	DF250D37	D37-F250 biconvex lens and meniscus lens 8KW
	LOSO01-F200M15B0FP-O*	DF200D37	D37-F200 biconvex lens and meniscus lens 15KW
	LOSO01-F250M15B0FP-O*	DF250D37	D37-F250 biconvex lens and meniscus lens 15KW
	LOSO01-F300M15B0FP-O*	DF300D37	D37-F300 biconvex lens and meniscus lens 15KW
Fiber Focusing Lens Assembly	LOSO01-F150M08B0-O*		D37-F150 8KW
	LOSO01-F200M08B0-O*	FL-S03-A051-R03-F218A-H03	D37-F200 8KW
	LOSO01-F250M08B0-O*		D37-F250 8KW
	LOSO01-F200M15B0-O*	FL-S04-A052-R03-F226A-H03	D37-F200 15KW
	LOSO01-F250M15B0-O*		D37-F250 15KW
	LOSO01-F300M15B0-O*		D37-F300 15KW
Lower Protective Window Module			
Middle Focus Protective Window	LBCO11-3450PZ	PMD34T5	D34*5.0
	LOSO11-3450S-O*	PMD34T5	D34*5.0 8KW
	LOSO11-3450P-O*	PMD34T5	D34*5.0 15KW
Lower Protective Window	LBCO11-3450PZ	PMD34T5	D34*5.0
	LOSO11-3450S-O*	PMD34T5	D34*5.0 8KW
	LOSO11-3450P-O*	PMD34T5	D34*5.0 15KW
Spring Actuated Seal Ring	LOSC08-3931-O*		38.6*30.5*3.8
Nozzle Assembly Module			
Nozzle Assembly	LOSE14-IB09*		2D F200
	LOSE14-IC06*		3D F200
Ceramic Body	LOSC09-FC02		2D D28H11.7M11
	LOSC09-FC02-O*		2D D28H11.7M11
	LOSC09-FC40		3D D21.4H13M8
	LOSC09-FC40-O*		3D D21.4H13M8
Nozzle	LPTN01-59XX		2D Single D28H15M11
	LPTN02-59XX		2D Double D28H15M11
	LCKN01-19XX		3D Single D15H19M8
	LCKN02-19XX		3D Double D15H19M8

LCH15B0/LCH20B0(AUTO 15KW/20KW)

Intelligent Information Laser Cutting Head



Technical Data

Product Model	LCH15B0/LCH20B0
Applicable Power	15kw/20kw
Applicable Wavelength	1080nm
Collimation Focal Length	100mm
Focusing Focal Length	200mm/250mm
Focus Adjustment Speed	200mm/s
Focus Adjustment Range	-43mm ~ +25mm(F200)
Alignment Adjustment Range	±1.5mm
Auxiliary Air Pressure	≤3Mpa
Overall Weight	7kg~7.5kg



	Part Number	Reference Number	Description
Upper Protective Window Module			
Protective Window	LOSO11-2120P-O*	PMD21.5T2	D21.5*2.0 15KW
	LOSO11-2120P20-O*	PMD21.5T2	D21.5*2.0 20KW
Collimation Middle Protective Lens	LOSO11-3220P-O*	PMD32T2	D32*2.0 15KW
	LOSO11-3220P20-O*	PMD32T2	D32*2.0 20KW
Spring Actuated Seal Ring	LOSC08-3729-O*		36.5*28.5*3.8
Collimation Module			
Fiber Collimating Lens	LOSO17-C100H15B0CP-O*	DF100D37	D37-C100 biconvex lens and meniscus lens 15KW
	LOSO17-C100H20B0CP-O*	DF100D37	D37-C100 biconvex lens and meniscus lens 20KW
Fiber Collimating Lens Assembly	LOSO17-C100H15B0-O*	CL-S04-A037-R04-F149A-H04	D37-C100 15KW
	LOSO17-C100H20B0-O*	CL-S05-A042-R04-F155A-H04	D37-C100 20KW
Focusing Module			
Fiber Focusing Lens	LOSO01-F200H15B0FP-O*	DF200D37	D37-F200 biconvex lens and meniscus lens 15KW
	LOSO01-F250H15B0FP-O*	DF250D37	D37-F250 biconvex lens and meniscus lens 15KW
	LOSO01-F300H15B0FP-O*	DF300D37	D37-F300 biconvex lens and meniscus lens 15KW
	LOSO01-F200H20B0FP-O*	DF200D37	D37-F200 biconvex lens and meniscus lens 20KW
	LOSO01-F250H20B0FP-O*	DF250D37	D37-F250 biconvex lens and meniscus lens 20KW
	LOSO01-F300H20B0FP-O*	DF300D37	D37-F300 biconvex lens and meniscus lens 20KW
Fiber Focusing Lens Assembly	LOSO01-F200H15B0-O*	FL-S04-A037-R04-F150A-H04	D37-F200 15KW
	LOSO01-F250H15B0-O*		D37-F250 15KW
	LOSO01-F300H15B0-O*		D37-F300 15KW
	LOSO01-F200H20B0-O*	FL-S05-A042-R04-F156A-H04	D37-F200 20KW
	LOSO01-F250H20B0-O*		D37-F250 20KW
	LOSO01-F300H20B0-O*		D37-F300 20KW
Spring Actuated Seal Ring	LOSC08-4743-O*		47*43*2.1
Lower Protective Window Module			
Focusing Middle Protective Lens	LBCO11-3450PZ	PMD34T5	D34*5.0
	LBCO11-3450P20	PMD34T5	D34*5.0
	LOSO11-3450P-O*	PMD34T5	D34*5.0 15KW
	LOSO11-3450P20-O*	PMD34T5	D34*5.0 20KW
Lower Protective Window	LBCO11-3450PZ	PMD34T5	D34*5.0
	LBCO11-3450P20	PMD34T5	D34*5.0
	LOSO11-3450P-O*	PMD34T5	D34*5.0 15KW
	LOSO11-3450P20-O*	PMD34T5	D34*5.0 20KW
Spring Actuated Seal Ring	LOSC08-3931-O*		38.6*30.5*3.8
Nozzle Assembly Module			
Nozzle Assembly	LOSE14-KB01H02*		2D F200
	LOSE14-KC01H02*		3D F250
Ceramic Body	LOSC09-FC17		2D D41H26.7M11
	LOSC09-FC17-O*		2D D41H26.7M11
	LOSC09-FC15		3D D21.4H13M8
	LOSC09-FC15-O*		3D D21.4H13M8
Nozzle	LHAN05-59XX		2D single D28H15M11
	LWSN04-59XX		2D double D28H15M11
	LCKN01-19XX		3D single D15H19M8
	LCKN02-19XX		3D double D15H19M8