

Laser Cleaning Machine

RL-HLC-3000



Model Features

- ★ Suitable for market general QBH laser connector.
- ★ Support hand-held /automatic equipment.
- ★ Meet the long-term stable operation of the laser.
- ★ Adapt to F800 focusing lens, ultra-long-distance cleaning linear state can reach more than 300mm.
- ★ Adapt to air knife device, protective lens is effectively protected.
- ★ Light and convenient hand-held, suitable for long-time hand-held use.
- ★ All parameters are visible, real-time monitoring of the whole machine status, avoid problems in advance. Convenient to troubleshoot and solve problems to ensure stable system operation.
- ★ High Safety: Safety lock and protective cover to prevent laser emission caused by misoperation.

Application Areas



Shipbuilding Industry



Aerospace



Rail Transit



Automobile Manufacturing



Metal Manufacturing

Technical Parameters

Item	RL-HLC-3000
Working Mode	Continuous
Rated Output Power	3000±50W
Power Adjustment Range	10-100%
Central Wavelength	1080±5nm
Power Instability	<±1%
Maximum Modulation Frequency	1-20000Hz
Duty Cycle Range	1-100
Red Light Power	0.5-1mW
Output Optical Fiber Core Diameter	50μm
Output Optical Fiber (NA)	0.11
Beam Quality (M ²)	1.8mm*mrad
Cable Length	10m/20m
Working Voltage	AC380±20V, 50/60Hz
Control Mode	Built-in control cable
Maximum Power Consumption	<10KW
Electro-optical Conversion Efficiency	>35%
Product Dimensions	1078*530*775mm
Weight	160kg
Cooling Capacity (W)	7000
Minimum Flow Rate (L/min)	27
Maximum Input Pressure (Bar)	7
Water Pipe Outer Diameter (mm)	19
Cooling System Water Temperature (°C)	25°C(Laser Module), 30°C(QBH)

Sample Display

