

# Bescutter BSC-3000 Laser Cleaner

Laser cleaning is a cost effective, efficient, and safe method of industrial cleaning. Laser cleaning machines are class 4 laser products which include added safety measures for easy and safe operation in all industries and work environments. The 3000-watt laser is the most powerful laser cleaner which is best suited for large scale paint or corrosion removal projects, weld prep, and high production fabricators or manufacturers. This laser comes with a steel protective and lifting cage for portability

## SYSTEM SPECIFICATIONS

Laser Class	Class 4
Max Power (Watts)	3000 Watt
Laser Operation Type	Continuous wave
Adjustable Laser Power Settings	Adjustable from 100% to 20% rated power
Laser Wavelength	1064nm (+/- 10nm)
Operational Voltage/ Amperage	480V 3-phase 30 amps
System Weight	880 lbs.
Laser Head Weight	3 lbs.
Operational Temperature	35 Deg F – 95 Deg F
Auxiliary Compressed Air Debris Sweeper	Auto enabled when laser is in use
Air Knife lens protector	Compressed air knife valve located at the beam exit of laser head. (Air compressor sold separately)
Laser User interface and setting Adjustability	Touch screen monitor
Max Cleaning Pattern Width setting	300 mm
Max Effective Cleaning Width at surface	18 Inches
Scan Head Speed Range	1,000-20,000 mm/s
Safety Trigger settings	Triple click auto enabled
Quick Change Debris Lens Cassette	Included
Warranty/ Technical Assistance	2-year warranty/ 24/7 call assistance, onsite technical/ service support
Cooling Agent (S&A water chiller)	5 gallons of Distilled or De-ionized Water
Failsafe System Monitoring	Failsafe alarms do not allow operation of the laser if system detects an error.
Key Access	Password Protection, laser generator key ignition switch
Alarm Light tower	LED light tower/ alarm warning indicator
Fiber Optics Cable Length Range	Standard 30ft (Extended 50ft length available by special request)
Maintenance Toolbox	Included
Automation Compatible/ Auto Interlock Compatible	Yes/Yes
Optional Accessories Sold Separately	<ul style="list-style-type: none"> <li>- Protective Debris Lens,</li> <li>- Additional LSO and Laser Technician Certification training</li> <li>- Onsite Commissioning and Training</li> <li>- Additional Protective laser rated goggles/ glasses</li> <li>- PAPR Respirator Hood</li> <li>- Troubleshooting Software</li> <li>- Automatic interlocks and connections</li> </ul>

