



ECLIPSE® Anilox Roll Laser Cleaner

Advanced Cleaning Technology for Your Valuable Rolls and Cylinders

TECHNICAL DATA SHEET

Off-Press Models: Narrow Web R1000, Wide Web R2000



Key Benefits Include:

- Chemical and Waste Free
- No cleaning media required, so no “consumable” to purchase
- Low cost operation – only requires electric (no compressed air, no water required)
- Fully Automated – can leave unattended
- Meets or exceeds OSHA requirements for industrial laser system
- Class I

Designed to Clean:

- Rolls/Sleeves/Cylinders – Most kinds including anilox, gravure, chrome and steel rolls.
- Surfaces - Virtually any line screen, engraving, pattern or complex geometries without any damage to cells, walls or landings.
- Residues – Water, UV and solvent-based inks, various coatings, cross-linked materials, adhesives and other residues.

Proprietary Circular Scan Pattern:

- Our exclusive circular scan laser is a “hot-spot” free generating light beam.
- Our solid-state diode style laser is a built-to-last; no flash lamp
- Laser LINEAR cleaning speed is about 1-6” (25.4 mm – 152.4 mm) per minute depending on residue type and buildup.



Unique Eclipse® Features:

- Process viewing windows with internal LED lighting
- Quick & Easy laser assisted focus
- Multi-stage filter system
- “Tunability” – easily fine tune cleaning parameters by controlling the laser pulse frequency, RPM and scanning speed, roll surface speed, and the number of cleaning cycles.

Safety Features:

- Key control and password protected PLC
- Touch screen indicator icons
- Interlock Circuit
- Emergency stop
- System default to zero power
- OSHA Compliant
- System sensors for air flow
- System sensors for filter life
- Audible indicator for start & end times
- LED status indicator light
- Count-down clock
- LO/TO Compliant



Laser Safety:

- Fully enclosed, Class I System (no laser goggles required)
- Industrial laser safety training recommended for all Eclipse® operators
- The safety procedures contained in the ANSI Z 136.1 American National Standard for the Safe Use of lasers and/or the IEC 60825-14 Users Guide should be followed.

System Maintenance and Service:

- Uses a solid-state diode style laser designed to operate at full strength with an average life of 100,000 hours.
- Included special crystal lens cover to protect actual lens.
- Fume extractor filters - this system will automatically indicate when filters need to be changed out.
- Warranty - A full 1-year warranty is offered with purchase of machine. Any warranty and service issues will be responded to within a 24-48 hour time period. The system has a USB port for remote access through a laptop for system updates and remote diagnostics.

System Specifications	Narrow Web R1000	Wide Web R2000
Max Overall Anilox Length	57" total length / 42" face length (1448/1067 mm)	110" total length /90" face length (2794/2286 mm)
Max Anilox Diameter	10" (254 mm)	12" (304 mm)
Min Anilox Diameter	3" (76 mm)	4" (101 mm)
Max Anilox Weight	1000 lbs. (453 kg)	1,200 lbs. (544 kg)
System Foot Print	100" L X 65" H X 57" D (2540 mm x 1651 mm x 1448 mm)	152" L X 65" H X 57" D (3861 mm x 1651 mm x 1448 mm)
Fumex <small>AIR FILTRATION SYSTEMS</small> Filter Specifications		
Pre-Filter	MERV 11 (85% @ 3 microns)	MERV 11 (85% @ 3 microns)
HEPA Filter	99.97% @ .3 microns	99.97% @ .3 microns
Gas/Odor	Blended bonded carbon	Blended bonded carbon
Filter Replacement Notification	Yes	Yes
System Details		
Average Power	50W	50W
Wavelength	1064nm	1064nm
Operating Temperature	0-40 °C (32-120°F)	0-40 °C (32-120°F)
Storage Temperature	-10 - 60 °C (14-140°F)	-10 - 60 °C (14-140°F)
Operating Humidity	10%-95% (Non-condensing)	10%-95% (Non-condensing)
Input Voltage	208/220/240V ±10% 50-60Hz ± 6%	208/220/240V ±10% 50-60Hz ± 6%
Input Voltage Fuse	240V @ 10A	240V @ 10A
Power Draw	< 10A @ 208/220/240V	< 10A @ 208/220/240V
Laser Class	Class I	Class I

