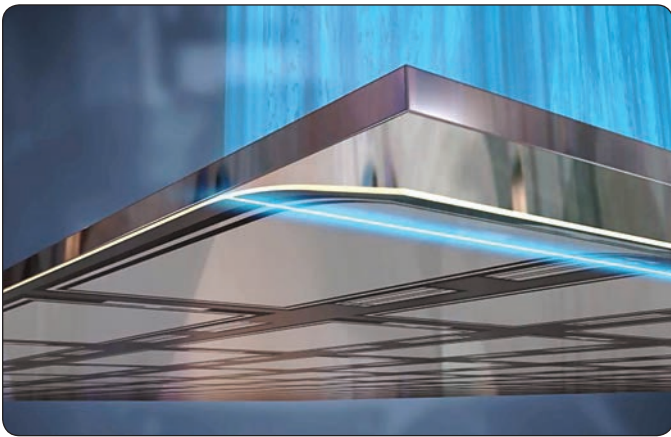


UVblade Series

Laser Lift-Off Processing

Cost-Effective UV-Solutions for Rigid Carrier Release

UVblade gently detaches delicate polymer-based displays of all types from their rigid glass carriers. Laser lift-off separation is the enabling technology in manufacturing flexible displays. UVblade is available at line beam lengths up to 750 mm supporting fast and effective separation of large glass substrates.



Superior Reliability & Performance

UVblade Features:

- Cost effective solutions for Laser Lift-Off (LLO) separation
- Single-shot processing
- Unmatched beam utilization
- Choice of line beam lengths

UVblade Options:

- BeamScout Beam Profiler

UVblade Applications:

- Laser Lift-Off Separation

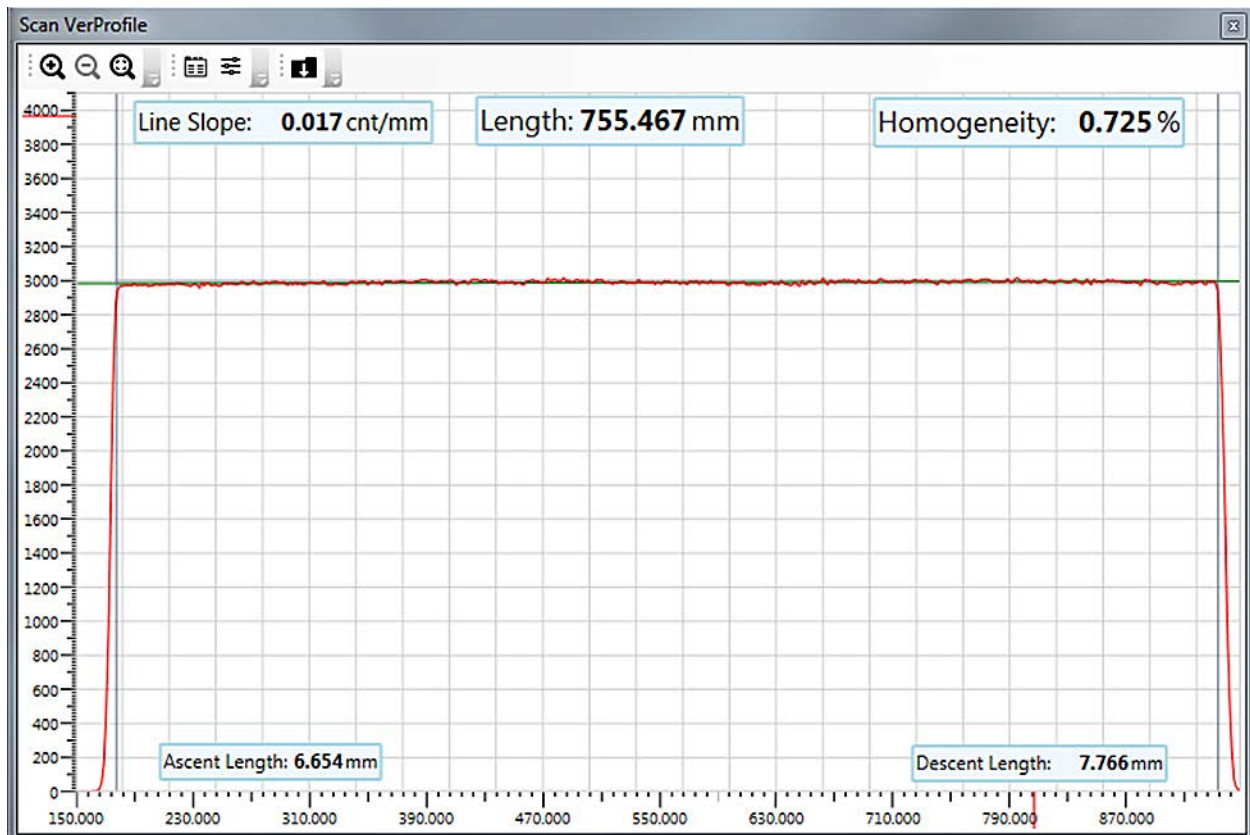
UVblade Series

Laser Lift-Off Processing

System Specifications

	UVblade 250	UVblade 380	UVblade 465	UVblade 750
Wavelength (nm)	308	308	308	308
Laser Pulse Energy (mJ)	580	580	900	950
Repetition Rate (Hz)	200	200	300	300
Energy Density (mJ/cm ²)	270	235	235	235
Beam Length (mm)	250	380	465	750
Beam Width (μm)	400	300	400	250
Homogeneity Long Axis (% 2σ)	1.8	1.8	1.8	1.8
Steepness Short Axis (μm)	100	70	70	70
Depth of Focus (μm)	±200	±200	±150	±100

UVblade Performance

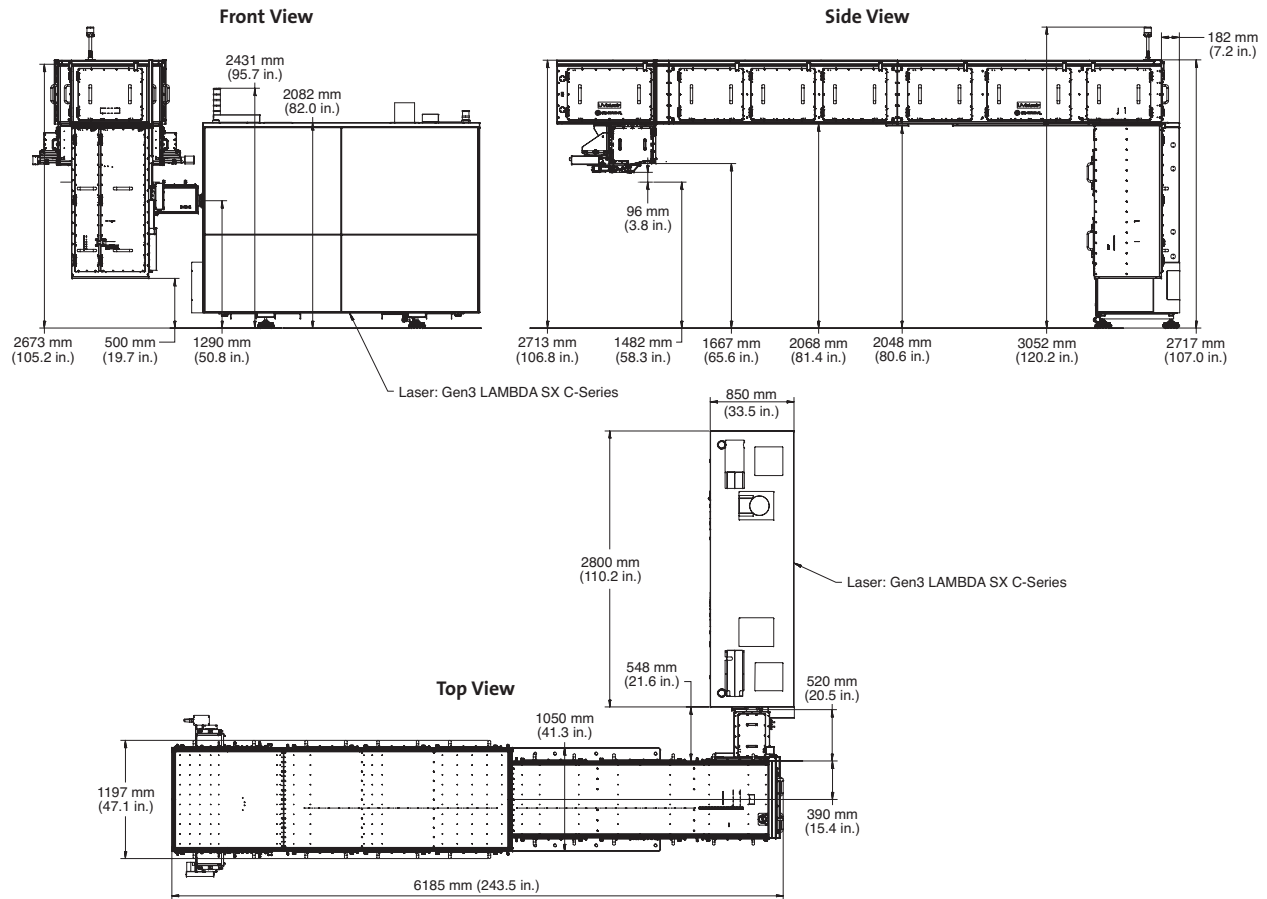


UVblade Series

Laser Lift-Off Processing

Mechanical Specifications

UVblade 750



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Coherent follows a policy of continuous product improvement. Specifications are subject to change without notice.

Coherent's scientific and industrial lasers are certified to comply with the Federal Regulations (21 CFR Subchapter J) as administered by the Center for Devices and Radiological Health on all systems ordered for shipment after August 2, 1976.

Coherent offers a limited warranty for all UVblade systems. For full details of this warranty coverage, please refer to the Service section at www.Coherent.com or contact your local Sales or Service Representative.