

Combined Spray / Bake Downdraft Spray Booth



Model Shown S-Line+, rear panel in Blue



Model Shown S-Line+, right panel in White

Genlab 'S-Line' Range

Genlab offers the ultimate spraying room conditions with 3 product lines in our range, all with full width roof filtration ensuring uniform air movement throughout the booth. All ranges combine decades of experience in heat treatment and airflow designs to offer premium levels of performance, efficiency and accuracies. We pride ourselves on creating the ultimate clean air environments for spraying to ensure faster drying times.

Genlab S-Line Booths are designed with compact, high performance rear wall extraction spraybooths, ideal for any bodyshop. This range of rear-wall extract semi-downdraft spraybooths offers a level of performance and specification that outperforms its rivals yet is extremely competitive.

Genlab S-Line⁺ is our flagship design of booths offering excellent downdraft performance on a solid raised floor hence no need to excavate floors on installation. Manufactured with 75mm insulated double skin panels, it helps prevent heat loss and makes our booths efficient and quiet to run. Downdraft booths are generally accepted as the best air flow to control overspray and contamination by creating a protective envelope of air around the vehicle.

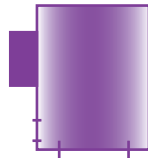
Genlab S-Line^{XL} Booths are designed for large commercial sized vehicles. They offer the same premium levels of design and build as our S-Line⁺.

Genlab S-Line⁺ Features

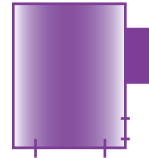
- Spray & Bake with full re-circulation facility to 80°C
- Touchscreen PLC Interface with trending
- Direct gas fired heating – Natural gas or LPG
- Double skin bi-folding triple frameless front doors
- Single fire escape door
- Ducting package included
- Suitable for use with water based paints
- Low running costs
- Pressure monitoring, linked to alarms and spray solenoids for safe operation
- High intensity LED lights
- Mist clearance indicator
- 6 way explosion relief roof panels

Genlab S-Line⁺ Options

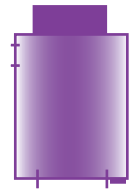
- Various colour choices – White (Standard), Red, Blue, Silver
- Choice of trim colours and OEM branding
- Oil fired options to include in-direct heat exchanger
- Traceable calibration services
- Temperature uniformity surveys
- Battery back up emergency lighting
- Fire alarm systems
- Economical maintenance contracts
- Mode indicator lights - Idle, Spray, Flash Off, Bake, Job Complete
- Burner / control panel layout - Left, right, or rear with remote front mounted HMI panel.
- Energy saving mode



Left Air Handling Unit



Right Air Handling Unit



Rear Air Handling Unit

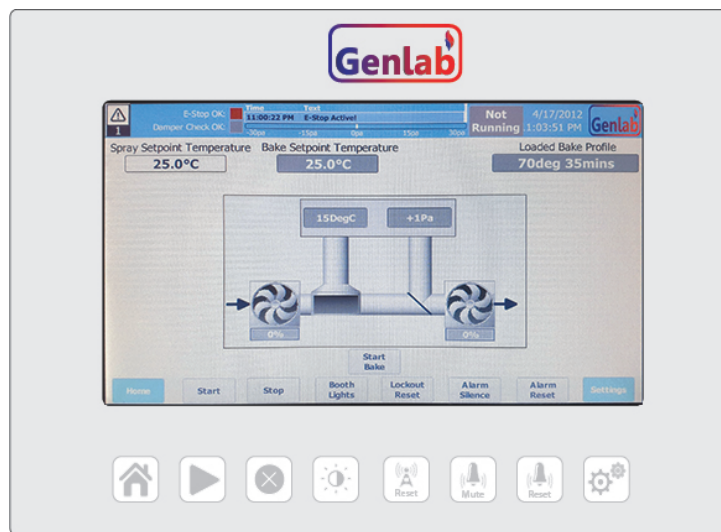
Genlab S-Line⁺ Specifications

Exterior Size:	7050 * 4050 * 3500mm(L * W * H) + Air handling unit & Ramp
Interior Size:	6900 * 3900 * 2800mm(L * W * H)
Front Door:	2940 * 2800mm(W * H)
Side Door:	700 * 2000mm(W * H)
Temperature Range:	Ambient to 80°C
Floor:	Galvanized steel sheet and square steel pipe assembling 5 rows of grid plates made by flat bar and round steel
Intake	Two sets of 4kw Centrifugal fans for intaking air, air capacity 25000mm ³ /h
Extraction:	One set of 5.5kw Centrifugal fan for exhausting air, air capacity 15000mm ³ /h
Circulation air velocity:	0.3-0.45m/s
Recirculations capacity:	330 times/h
Filtration:	Pre-filter, filtering rate > 83% 600G high efficiency ceiling filter, filtering rate > 97% Floor filter(fiberglass filter), filtering rate > 70%



Genlab S-Line⁺ Intelligent Control System

Our reliable control panels are tailored to the bespoke requirements for each installation. Using the latest touch screen PLC control, and developed over many successful projects, they provide accurate temperature and airflow control with upgrades available to fully automated energy saving modes. Features include pre-set time & temperature profiles for bake and spray modes, pressure monitoring and control and automated burner purge protection. The HMI screen provides a visual gauge showing booth pressure and temperature and damper position. On screen trending of temperatures, pressures and fan speeds are available to view. A pressure transducer monitors booth pressure and varies the inlet and exhaust fan speed to compensate for dirty filters and to maintain the pre-set required booth pressure.



Run Screen

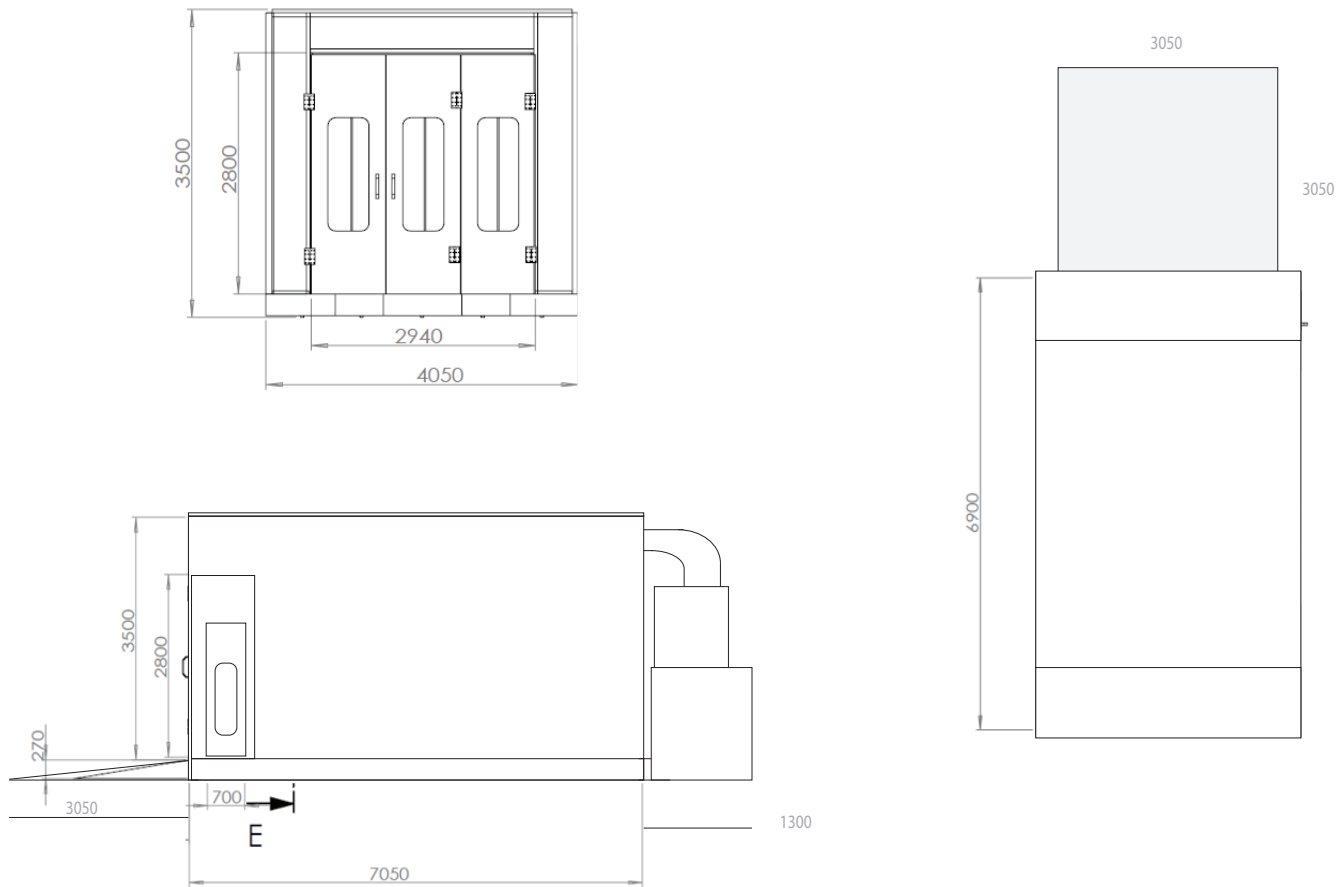
Downdraft design

Downdraft booths are generally accepted as the best air flow to control overspray and contamination by creating a protective envelope of air around the vehicle.

5 modes of operation:

- Idle / standby / preparation 25% airflow Recirculated
- Spray 100% airflow Total Loss
- Flash Off 50% airflow Total loss / recirc
- Bake 60% airflow Recirculated
- Cool 100% airflow Total loss

Outline Drawing



About Genlab

Established in 1963 Genlab currently employs approximately 50 people at its headquarters in Widnes, Cheshire. We have been designing, building and revolutionising industrial thermal treatment ovens and booths for over 50 years.

We have a clear focus on providing the service and quality levels that our customer's demand, at highly competitive prices. Alongside this many of our staff are long serving members, with an enormous wealth of experience in bringing thermal engineering to the customer.

Quality has always been at the centre of Genlab's business activities and the company has held the BS EN ISO 9001 quality standard for over 15 years. We offer full turnkey solutions on all our spray booth projects including :

- Assembly, testing at Genlab head office
- Disassembly and packaged for transport to site
- Delivery to site
- Off loading of goods
- Field wiring
- Commissioning
- LEV & Mist clearance testing
- Calibration
- Extended warrantee and maintenance contracts



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