

Automotive Spraybooths



- Highest Quality
- Fully Compliant with UK Legislation
- Fastest Process Times
- Lowest Whole Life Cost
- Largest UK Support Network

"The decision to invest in two new ovens has transformed our paint shop, not only have they helped improve upon our high standards in the finish of our paintwork but have also increased our throughput. The spraybooths energy saving features have reduced noise levels in the workshop and we're confident that we have a business ready for the future."

Ivan Dodman, Bodyshop Manager Peter Cooper Motor Group



ColourBox Spraybooth Oven

- Ideal for primers or cosmetic repairs
- Semi-downdraught
- eSystem PLC control
- Easy to change long life filters
- No excavation required

ColourBox has been developed for customers wanting an economical, cost effective spraybooth oven, but also requiring high quality construction, excellent performance and unrivalled reliability. ColourBox is a rear extract, open filtered, semi-downdraught spraybooth designed to the high standards synonymous with Junair.

The ColourBox spraybooth has a reduced number of optional extras available in order to standardise the manufacturing process and ensure the lowest possible unit cost and shorter lead times. For more information about the sizes and options that are available with the ColourBox see the table on the inside back cover of this brochure.

1 Series Spraybooth Oven

- Highest quality rear extract booth
- Excellent lighting
- eSystem PLC control
- Full set of spraybooth options available
- Fully modulating burner



The 1 Series is a cost effective spraybooth oven made with the quality construction and excellent performance synonymous with Junair. The 1 Series is a semi-downdraught spraybooth with enclosed rear extraction for a cleaner spraybooth environment.

There are many features on this spraybooth that are normally associated with higher cost equipment. The option of a compact roof mounted air handling plant makes it ideal for installations where space saving is critical. The 1 Series requires no floor excavation and can be designed and built to any size to accommodate vans, light commercial vehicles and special vehicles. Its fully glazed 2 leaf door set offers excellent visibility into and out of the spraybooth and provides a wide opening for entry and exit.



3 Series Spraybooth Oven

- Dowlndraught spraybooth
- Central pit extraction or fully gridded floor
- Low profile no excavation floor option
- eSystem PLC control
- Full set of spraybooth options available

The 3 Series is our core offering to the professional bodyshop, offering enhanced features to increase the quality of your paint finish. Constructed from high quality, insulated double skinned steel finished ensuring reliability and durability. The 3 Series is a dowlndraught spraybooth which can be manufactured to any size.

The quality of construction and component selection make this spraybooth top in its class. The 3 Series options list is extensive, giving our customers the opportunity to tailor their spraybooth to their individual requirements.

5 Series Spraybooth Oven

- Full dowlndraught spraybooth
- Touch screen iSystem³ control as standard
- LED lighting as standard
- 3 Leaf door set as standard
- Energy saving pack as standard



The 5 Series is our flagship model, combining state of the art technology with outstanding build quality offering the most advanced spraybooth on the market. With energy saving and production enhancing equipment the 5 Series delivers the highest quality paint finish at the lowest cost per unit. A fully extracted, balanced floor is incorporated as standard, this in combination with the full width, full length plenum, ensure its dowlndraught airflow is second to none. An industry first halo lighting design delivers the best quality lighting.

The 5 Series comes with many options as standard such as an energy saving pack, 3 leaf door set, mist clearance and mode indicators as well as the state of the art iSystem³ touch screen controller.

Introduction

All spraybooths are designed and manufactured in the UK using premium quality construction materials. White polyester paint finish on galvanised steel substrate offers excellent corrosion resistance and a light working environment whilst also providing an aesthetically pleasing modern and clean appearance. Wall and roof panels are sealed internally ensuring optimum cleanliness, and are insulated with mineral wool (not foam). Filter medias are quick and simple to change by individual operatives. Fully glazed doors provide a wide door opening for ease of loading and unloading whilst offering undisturbed views into and out of working areas.



Performance

- Designed for use with all paints and finishes
- Junair QADs provide more consistent results than conventional spraybooth oven equipment. Typically reducing process times by 35%
- Direct gas fired with fully modulating burner ensures fast temperature rise and accurate temperature profiling using sophisticated control systems
- Quiet in operation. Sound attenuation is an integral part of the air handling plant
- Direct drive centrifugal fans, with aluminium impellers, ensure reliable and efficient use with no drive belts to change

Lighting

Junair UltraLux LED lighting has been developed specifically for use in bodyshops and spraybooths. Providing excellent colour rendition and uniform lighting across the working area. Junair LEDs can save up to 60% in operating costs when compared to the like for like LUX levels in traditional bodyshop lighting. Lighting is accessible from inside the spraybooth for ease of maintenance.

Junair Halo LED lighting incorporates 360° of UltraLux LED light fittings, offering full coverage over the entire cabin and minimising shadow areas. This is a first for the industry and overcomes the common problems of dark spots at the ends of the booth.



Junair UltraLux LED



Junair Halo LED

Air Handling Plant Location

The air handling plant for your spraybooth can be situated to suit your bodyshop. Where space is at a premium the plant can be roof mounted to minimise the footprint. For those where space is not an issue the air handling plant can be floor mounted, offering easy access for servicing. The air handling plant can also be mounted on the extract chest where required. For details of air handling plant options available for individual models see the table on the inside back cover of this brochure.

Energy Efficiency

- QADs auxiliary air movement system (40% energy saving) and 35% faster
- FS Mode - automatic recirculation for idle and flash off (saves a further 20%)
- Variable speed drives (70% energy saving when combined with the above)
- Eff3 energy efficient motors fitted as standard: a tax rebate can be claimed for these



QADs auxiliary air movement system option



eSystem



iSystem³

Control Panels

Junair eSystem is an easy to use Siemens PLC control system offering the user a straight forward method of operating the spraybooth.

Junair iSystem³ is an easy to use programmable touch screen PLC with selectable and consistent bake cycles ensuring paints aren't under or over cured. Its latest Siemens technology ensures you have the most reliable product possible.

Door Sets

Junair offer a variety of spraybooth door options. As standard we offer a 2 leaf door for a 2.65m wide opening. 3 and 4 leaf door sets are options for the 1, 3 and 5 Series spraybooths offering a wider door opening and also taking up less space within the bodyshop. Corner doors and sliding doors can also be provided where space is at a premium. For details of door options available for each spraybooth see the table on the inside back cover of this brochure.



2 Leaf Door



3 Leaf Door



4 Leaf Door

Extraction - Floor, EVAC Ex & LEVAC Ex

Airflow can be extracted using different methods. Our ColourBox and 1 Series spraybooths are semi downdraught spraybooths with rear extraction. The booth sits on the customers own floor requiring no floor excavation. The ColourBox has an open filter extraction system whereas the 1 Series is an enclosed filter for cleaner operation.

The 3 Series is a downdraught spraybooth with central pit extraction as standard. This can be upgraded to either EVAC Ex or LEVAC Ex.

The 5 Series spraybooth is fully downdraught, fully filtered and offers the best extraction possible. 2 floor options are available as standard LEVAC Ex and EVAC Ex. The EVAC Ex floor is designed to finish flush with the buildings floor level. Where customers wish to avoid floor excavation a LEVAC Ex floor can be installed. LEVAC Ex is a surface mounted design requiring no excavation. The booth is raised by just 140mm and is accessed via a small ramp.



Open Rear Extract



Enclosed Chest Extract



EVAC Ex



LEVAC Ex

Optional Equipment (for information on which options can be specified for which spraybooth models see overleaf.)



Mist Clearance Indicator

An automatic system indicates when it is unsafe to enter the spraybooth because harmful overspray is likely to be present in the cabin.



Side Loading System

Some bodyshop designs can work well with side loading systems where a vehicle is placed on skates and rails for ease of movement.

Fire Alarm Strobe

A fire alarm strobe light is integrated into the lighting frame inside the cabin, with connections available for clients specialist fire alarm contractor to connect to.



Emergency Lighting

Non maintained, battery back up lights installed adjacent to each personnel door within the cabin. The lights operate for 30 minutes when power is cut from the lighting system.



Mode Indicator Lights

Provides operators and managers with information about the spraybooths operating mode at a glance. Lights indicate, idle, spray, flash off, bake, job complete.



Compressed Air Filter Regulator

Three stage compressed air filter regulators are used to provide the best quality of compressed air for spraying and breathing.

Viewing Windows

Large and medium size windows can be specified. Windows can improve the working environment and enhance the aesthetics of the equipment installed.



Vehicle Lift

Hydraulic or pneumatic vehicle lifts can be supplied as part of the spraybooth floor construction. Fully recessed to fit flush with the floor grids.



Mechanical & Electrical Services

Junair can offer mechanical and electrical services to suit your needs. Installation can be coordinated with other project activities ensuring there are no omissions from the specification and no clashes with other services on site. These packages include; Compressed Air, Builders works, Gas and LPG pipe work, Electrical Installation.

Legislation Designed manufactured and installed to meet the latest government legislation; EU machinery directive CE, COSHH, Environmental Protection Act, Health and Safety at Work Act, ATEX.

Warranty, service and support

- 3 year warranty is subject to service contract
- Skilled engineers provide a comprehensive service support with maintenance divisions nationwide
- Spare parts available ex stock for next day delivery

Standard
Cost Option
Not Available



		ColourBox	1 Series	3 Series	5 Series
Length in mm	7,000	✓	✓	✓	✓
	8,000	£	£	£	£
	9,000	×	£	£	£
	10,000	×	£	£	£
	11,000	×	£	£	£
Width in mm	4,000	✓	✓	✓	✓
	4,500	×	£	£	£
	5,000	×	£	£	£
Height in mm	2,500	✓	✓	✓	×
	3,100	£	£	£	✓
	3,600	×	£	£	£
AHP	12,000 m³/h	✓	✓	✓	×
	20,000 m³/h	×	£	£	×
	25,000 m³/h	×	£	£	✓
	30,000 m³/h	×	£	£	£
	35,000 m³/h	×	£	£	£
	40,000 m³/h	×	×	×	£
	45,000 m³/h	×	×	×	£
AHP Location	Floor	×	×	✓	✓
	Chest	✓	✓	✓	✓
	Roof (12 & 20k plant only)	×	£	£	×
	Machinery Platform	×	£	£	£
Lighting	UltraLux LED	✓	✓	✓	✓
	Halo LED	×	×	×	£
Energy Saving Pack	Multi Speed VSD	×	£	£	✓
	QADs	£	£	£	✓
	QADs Static Neutralisation	×	£	£	£
Controls	e System	✓	✓	✓	×
	i System³	×	£	£	✓
	Data logging	×	£	£	£
Extraction	Rear	✓	✓	×	×
	Single Side	×	£	×	×
	Twin Side	×	×	£	£
	Central Pit	×	×	✓	£
	LEVAC Ex / EVAC Ex	×	×	£	✓
Door Set	2 leaf	✓	✓	✓	×
	3 leaf	×	£	£	✓
	4 Leaf	×	£	£	£
	Corner doors	×	£	£	£
Other	Viewing Windows	×	£	£	£
	Drive Through	×	£	£	£
	Side Loading	×	£	£	£
	Mist Clearance	£	£	£	✓
	Fire Alarm	£	£	£	£
	Emergency Lighting	£	£	£	£
	Mode Indicator	×	£	£	✓
	Silencers	£	£	£	£
	In Booth Lift	£	£	£	£
	Filter Regulator	£	£	£	£

*Junair Product Range 2018



After Sales Support

Junair Spraybooths are able to offer service and maintenance via the UK's largest support network. With over 25 years' experience of working with Junair Spraybooths, service centres strategically based across the UK and a team of fully qualified mechanical and electrical engineers you can be sure that your spraybooth is in the best possible hands.

