



3 Series Spray Booth Oven

The industry choice for quality, speed of process and energy savings.

The Junair 3 Series spray booth oven has been developed for customers who want a high performance booth built to individual requirements. Choices of central pit extraction, EVAC or LEVAC floor extraction deliver excellent downdraft airflow, performance and unrivalled reliability.

- ➔ High Quality Construction
- ➔ HSE & FPA Fire Compliant
- ➔ High Specification as Standard
- ➔ Bespoke LED Lighting Design
- ➔ Full Range of Spray Booth Options

3 Series - Standard Features

The Junair 3 Series is designed and manufactured in the UK using premium quality construction materials. Its white polyester paint finish on galvanised steel substrate offers excellent corrosion resistance and a light working environment whilst also providing a modern and clean appearance. Wall and roof panels are sealed internally ensuring optimum cleanliness. A balanced input plenum is incorporated for improved air-movement within the booth. Filter media is quick and simple to change.

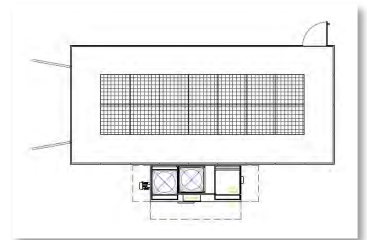
Performance

- ➔ Designed for use with all paint finishes.
- ➔ Direct gas fired with fully modulating burner ensures fast temperature rise and accurate temperature profiling. Direct firing saves approximately 30% of fuel cost compared to indirect gas fired systems. If you prefer, a fully electric booth is also available.
- ➔ Quiet in operation, 76-78dBa. Sound attenuation is an integral part of the air handling plant, conforming to HSE legislation.
- ➔ Direct drive backwards curve centrifugal fans with aluminium impellers are reliable and efficient with no drive belts to change.

Internal Dimensions

Junair 3-Series spray booth can be designed and manufactured to any size, please call for more information. Standard sizes below.

- ➔ **Length:** 7,000mm, 8,000mm, 9,000mm, 10,000mm +
- ➔ **Width:** 4000mm, 4,500mm, 5,000mm +
- ➔ **Height:** 2500mm, 3,100mm, 3,600mm +



Fully Glazed Entrance Doors

- ➔ 2-Leaf fully glazed access doors providing 2650mm wide opening



Energy Efficiency

- ➔ **Fuel Saver Mode:** Automatic recirculation of air on stand-by and flash off mode. Requires no operator input. Saves 22% of fuel cost over conventional equipment.
- ➔ **Variable Speed Drives:** Automatically control spray booth cabin pressure ensuring optimum conditions during the lift of the filters.

Air Handling Plant

- ➔ 12, 20, 25, 30, 35,000m³/hr direct, fully modulating, gas fired burner—natural gas, oil or LPG. A fully electric AHP is also available as an alternative option. (AHP size is dependent on spray booth cabin size)
- ➔ Chest mounted to the side or rear of spray booth
- ➔ Downdraft air movement, ceiling input with floor extraction



Central Pit Floor Extraction

- ➔ Extraction is via a central gridded pit; its size is dependent on spray booth specification.



Filtration

- ➔ **Input Filter:** EU5, with resin applied
- ➔ **Extract Filter:** PolyMat EX long-life filter lasts longer than traditional duplex extract filters, offering more time between filter changes. The inner workings of the spray booth are kept cleaner, reducing the build up of overspray inside the air handling plant.



UltraLux LED Lighting

- ➔ Bespoke LED lighting design
- ➔ Provides excellent colour rendition and uniform lighting
- ➔ UltraLux LED light fittings reduce shadow areas within the cabin
- ➔ Accessible from inside spray booth for ease of maintenance.



eSystem Control Panel

- ➔ Easy to use Siemens PLC control system offering the user a straight forward method of operating the spray booth. Siemens technology ensures you have the most reliable product possible.



Warranty, Service and Support

- ➔ 3 year warranty available subject to service contract and terms and conditions.
- ➔ Skilled engineers provide national service support with maintenance divisions nationwide.
- ➔ Spare parts available.

Junair 3 Series Spray booth	Technical Specification	12,000m ³ /h AHP
7,000mm long x 4,000mm wide x 2,500mm high	Burner	100kW
Central Pit Extraction	Input & Extract Fans	3.0kW
Polymat EX™ Extraction Filter	Electrics - 415v / 50Hz	20A
12,000m ³ /hr Air Handling Plant	Input - Natural Gas	9.2m ³ /h
2-leaf fully glazed access doors giving 2,600mm opening	Input - LPG	14l/h
eSystem PLC Control System	Gas Pressure	Minimum 20mbar / Maximum 50mbar
Fuel Saver Mode		
Variable Speed Drives		
UltraLux LED Lighting		

Call us now on ☎ 01706 363 555 to discuss your requirements, arrange a site survey and quotation.

3 Series - Additional Options

The Junair 3 Series spray booth is customisable with the following design, performance and HSE options.

LEVAC Floor — Surface Mounted Fully Gridded Floor

- ➔ Fully extracted, fully gridded floor with balanced airflow and duplex filtration. The low profile design requires no excavation and sits just 180mm from floor to top of grid. A fully extracted floor provides better air movement reducing contamination from overspray and speeding up the curing process.



EVAC — Fully Gridded Floor / 500mm Pit

- ➔ Designed to finish flush with the building floor. The EVAC floor is fully extracted, fully gridded with balanced airflow and duplex filtration. Shallow excavation of just 500mm using steel constructed sides as shuttering for speed of installation, reducing builders work cost.



Auxiliary Air Movement Systems-QADS™

- ➔ Junair QADS provide heated auxiliary air movement to a painted surface speeding up the spraying and baking process by up to 35%, enhanced quality and reduced operating costs. Each QAD tower had 8 adjustable nozzles to direct the airflow against the painted surface.



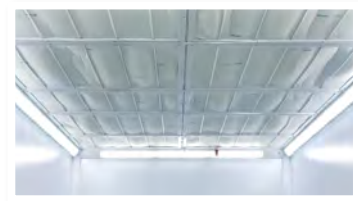
Entrance Doors Upgrade - 3 Leaf, Large 3 Leaf or 4-Leaf

- ➔ **3.0m** - Upgrade entrance door set to 3-leaf fully glazed doors, providing 3,051mm wide opening.
- ➔ **3.6m** - Upgrade entrance door set to large 3-leaf fully glazed doors, providing 3,600mm wide opening.
- ➔ **4.0m** - Upgrade entrance door set to 4-leaf fully glazed doors, providing 4,000mm wide opening.



Halo LED Lighting Upgrade

- ➔ Halo LED 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.



Control System Upgrade—iSystem³

- ➔ The iSystem³ is a programmable logic controller (PLC) and provides an improved digital display and functionality. Designed with operators in mind, it has an intuitive and user friendly menu system, includes pre-set time and temperature curves and auto balance.



Side Loading Transfer System

- ➔ A skate and rails system to enable the easy movement of products to suit the process.



Through Loading Spray Booth

- ➔ Additional vehicle doors at the rear of booth to enable through loading, enhancing body shop functionality.

Roof / Machinery Platform Mounted Air Handling Plant

- ➔ If space is premium and your building has the headroom consider locating the air handling plant above the spray booth. The AHP can be sited on the spray booth roof (dependent on size of AHP) or on a machinery platform.



Mist Clearance Indicators

- ➔ An automatic system indicating when harmful overspray is present within the cabin and unsafe to enter.



Fire Alarm Strobe

- ➔ A fire alarm strobe light is integrated into the lighting frame inside the spray booth cabin and connected to your existing fire alarm system.
Clients specialist fire alarm contractor to make connections.



Mode Indicator Lights

- ➔ Provides a clear indication of the current spray booth operating mode. Lights indicate idle, spray, flash off, bake and job complete.



Emergency Lighting

- ➔ Non maintained, battery back up light installed adjacent to each personnel door within the cabin. The light operates for 30 minutes when power is cut to the spray booth.



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The Junair 3 Series spray booth is customisable with the following design, performance and HSE options.

Compressed Air Filter Regulator

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



In Booth Vehicle Lifts

- ➔ Electro-hydraulic mid-rise scissor lift available in 3 or 4 tonne load capacity. Ideal for Strip/fit and wheel repair operations.



Viewing Windows

- ➔ Window panels can be installed into your spray booth, improving the working environment and enhancing the appearance of the equipment installed.



Why Choose Junair?

- ✓ FREE site and energy efficiency survey
- ✓ FREE design and layout
- ✓ FREE no obligation quote

Lowest total cost of ownership

Complete project management

Energy efficient technology

High quality products and installation

