



7 Series Spray Booth Oven

The rear extraction spray booth designed for larger products

The Junair 7 Series spray booth oven uses the design approach and know-how of the 1 Series and takes it to a larger scale.

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

7 Series - Standard Features

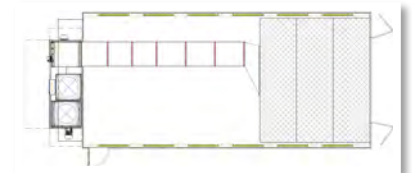
The Junair 7 Series is designed and manufactured in the UK using premium quality materials. Typically constructed using a box section steel frame for increased rigidity over larger areas, its white polyester paint finish on galvanised steel substrate offers excellent corrosion resistance and a light working environment. Wall and roof panels are sealed internally ensuring optimum cleanliness. 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.

Dimensions

- ➔ The Junair 7 Series can be any size as it is custom designed and built to suit your space, product and painting requirements.



Glazed Entrance Doors

- ➔ 4-Leaf glazed access doors sized to suit the cabin width



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 life of the filters.

Air Handling Plant

- ➔ 25,000m³/hr, 35,000m³/hr or 45,000m³/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 rear of spray booth
- ➔ Semi downdraught air movement, ceiling input with rear chest extraction.



Filtration

- ➔ **Input Filter:** Sized to suit cabin. Resin applied EU5
- ➔ **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.

Standard Specification

| Junair 7 Series Spray Booth | Technical Specification | 25,000m ³ /h AHP |
|---|-------------------------|------------------------------------|
| Dimensions to suit product | Burner | 212kW |
| Rear Chest Extraction | Input & Extract Fans | 11kW |
| Polymat EX™ Extraction Filter | Electrics - 415v / 50Hz | 63A |
| 25,000m ³ /hr Air Handling Plant | Input - Natural Gas | 20m ³ /h |
| 4-Leaf glazed access doors | Input - LPG | 30l/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.

7 Series - Additional Options

The Junair 7 Series is customisable with the following design, performance and HSE options.

Entrance Doors Upgrade

- ➔ The Junair 7 Series spray booth comes with 4-leaf access doors as standard; however you may prefer a different configuration such as 2-leaf, 3, 4 or even 6 leaf.
- ➔ **Roller Shutter Doors:** Electrically operated, insulated roller shutter doors can also be installed as an alternative.



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.
Installed at high, mid or low points, dependent on cabin size.



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.



Halo LED Lighting

- ➔ Halo LED incorporates 360° of UltraLux LED light fittings, offering full coverage over the entire cabin, minimising shadow areas. This overcomes the common problems of dark spots at the ends of the booth. Light can be installed at high and/or Low Levels ; central 'V' Lighting is also available.



Filtration

- ➔ **Extract:** Concertina filters and higher capacity extract filter are available to suit heavy paint process.



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.



Mist Clearance Indicators

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

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.

Compressed Air Filter Regulator

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

In Booth Lifts

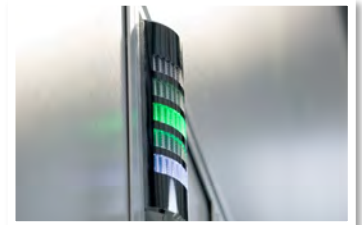
- ➔ Electro-hydraulic mid-rise scissor lift available in 3 or 4 tonne load capacity. Ideal for Strip/fit and wheel repair operations.

In Booth Platforms

- ➔ 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

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