

POWDER BOOTH

A spray booth is a necessity for every powder coating operation to:

- ◆ Effectively Extract material overspray from the work area.
- ◆ Control Environmental Emissions through the combination of appropriate Filtration Media and correctly specified ductwork and termination cowl.
- ◆ Comply with legal Health and Safety requirements as stipulated in Control of Substances Hazardous to Health (COSHH) regulations.
- ◆ Reducing fire hazards from combustible powder dust.

Features:

- ◆ Our Powder Booths are designed specifically for powder coating extraction and offer the optimum solution available when compared to other types of booth.
- ◆ Modular Design is available in a variety of sizes and specifications to suit your application.
- ◆ The booth's 'plug and play' design requires only an electrical and compressed air supply for installation.
- ◆ Optional Castors allow the booth to be taken around the factory for manual rework jobs where needed.

- ◆ The Booth operates on the principle that the powder laden air is drawn through filters. Clean air is extracted back to the factory, and the powder is trapped on the surface of the cartridges.
- ◆ Operating on a re-circulating airflow principle. Air is drawn evenly across the face area and towards the filter section in the back of the enclosure. Over sprayed powder is drawn from the operators breathing zone, keeping the workplace clean and usable. This self-contained closed loop system causes no emissions to atmosphere thus eliminating environmental concerns.
- ◆ Pleated cartridges with a large surface area are used to maximise life and extraction rates.
- ◆ During the cleaning cycle a partial filter by-pass damper is operated, reducing airflow across the filter cartridges. This makes for more complete cleaning, whilst still containing dust within the enclosure.
- ◆ The clean air is diffused back into the work area at high level above the working enclosure. This means no ductwork to atmosphere is required, and no holes need be cut in the building. As air is returned to the factory, no separate fans for replacement 'make-up' air are needed, and there is no heat loss from the factory.
- ◆ A single slow speed belt driven fan delivers flexible performance with maximum efficiency.
- ◆ All booths comply to ATEX requirements.
- ◆ Collection bins are built to conveniently take standard powder boxes as liners in each wheeled bin section. The box of waste powder can then be stored in the oven and normally placed in a skip saving disposal costs.

