

Established in 1999 by Amarjit Binji, AJB Woodworking specialises in the design and manufacturing of high quality internal and external doorsets, windows and internal joinery. It provides a service for residential and commercial renovation, as well as new-build developments.

Schuberts solves AJB Woodworking bottleneck

Contrary to many in the industry, AJB Woodworking has grown and expanded during the recession. As a result of its increased production, the main factory bottleneck became the spray finishing, handling and curing process.

AJB Woodworking sprays both solvent AC and water-based coatings in clear, tinted and pigmented finishes, and required a very flexible system in terms of ability to deal with variation of coatings, film thicknesses and substrates.

From an early stage, Schuberts was involved in the design and specification of the overhead handling system, the spray process and the final cure of the pieces. Each product to be coated is hung on a dedicated carrier trolley on the overhead track, and then presented to the spray booth for manual spray coating with a high solids AC lacquer.

Immediately after coating, the wet pieces are pushed into a dedicated flash-off zone for around five minutes. This is a clean zone, with filtered air extraction that not only allows the piece to settle and flash, but also allows the operator to get started on the next piece.

Each coated piece is stacked in the flash-off zone and then introduced into the Schubox



Schubox will accept wet product on overhead conveyor as well as finger trolleys

catalytic IR curing system for a maximum of 30 minutes at 35°C. The wet lacquer is fully cured with long wave IR and at a temperature that does not affect the substrate in any way. After 30 minutes, the pieces are removed from the Schubox and are taken straight to fitting up and then despatch.

Another part of the Schubert supply was the ATE Simple Paint unit which was installed next to the spray booth. This not only cleans the compressed air supply to the

spray gun completely of any dust, oil or water contamination, but also de-ionises the air.

AJB Woodworking has found that not only has it dramatically increased the quality of the sprayed finish, but it has saved on paint and compressed air consumption within the spray booth. The Simple Paint is an easy retro-fit to any existing spray set up, and the differences are clear to be seen on both manual and automatic systems.

Mandeep Binji, development



Extra wide 3m Schubox with special bi-fold doors and cut outs for conveyor system



Dedicated clean, filtered flash-off zone after spraying and prior to Schubox

manager at AJB Woodworking, says: "We would be lost without the equipment from Schuberts. The flash-off/Schubox combination saves us a tremendous amount of production time due to the rapid curing process, and the ATE has improved our flat panel finishing quality." To learn more about how Schuberts can help businesses become more efficient, readers should contact the company directly.

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Products curing inside Schubox