



Molnar Engineering's Powder Coating Facility



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Quality is at the top of the list of priorities for Molnar Engineering when it comes to manufacturing hoists. Quality however, does not stop at the components or operation, it is the complete finished product.

Frank Molnar has always placed a great emphasis on the appearance of Molnar hoists. A hoist is not just a workshop tool, it's part of the workshop and always on show.

The workshop can be a tough and dirty environment but pressure is always on to keep it a clean and pristine area. A hoist today needs to be able to stand up to the grease and grime, the bumps and scratches as well as the continual cleaning. It takes an

exceptional coating to stand up to all these demands and still keep its appearance after years of use.

From investigation into how to achieve a superior finish on the hoist, Powder Coating was found to be the best option. Whenever possible, manufacturing processes at



Spraying Powder onto Parts

Molnar Engineering are done in-house, so the decision to switch to Powder Coating

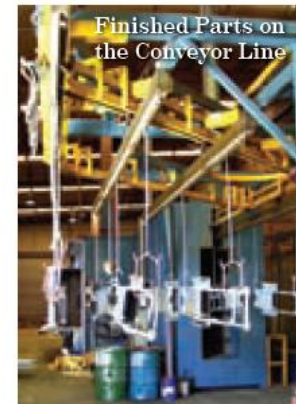
meant investing into an automated Powder Coating facility.

The process starts when parts are hooked onto a conveyor that takes them to a cleaning station where any dirt or oil is washed away to prepare the surface. The parts are dried on the conveyor line as they are taken to the spray booth. In the spray booth, two automated guns coat the parts coming through with the powder and an operator has a manual spray gun to ensure that no areas go uncoated. The dry polymer powder attaches to the metal surface electrostatically and can produce a thick, uniform surface coating while any overspray is recycled back into the system. From the spray booth the conveyor takes the parts to the oven where the powder is heated to a point where it flows out and bonds to create a skin over the part, which when cooled becomes a strong and durable coating.

Powder Coating does not just benefit the customer with a quality finish but from a manufacturing point of view,

Powder Coating is more efficient with less hazardous by-products than conventional liquid coating.

In Australia, there are not too many other Powder Coating facilities such as this one at the Molnar factory in Adelaide. The initial investment into such a large facility is a huge outlay but Molnar Engineering has seen it prove to be worth every dollar. With the manufacturing process improving and customers receiving the best finished product in their workshop, everybody wins.



Finished Parts on the Conveyor Line