

**Employer** | Solvay Derbyshire

**Designers** | Haviland Industrial Ovens and Solvay

**Title** | Loading of resin mixing bowls into a warming oven

“ The oven change has made a massive difference to us. It is so easy now to receive a bowl on a trolley and just push it into the oven. A great job by all. ”



## BEFORE



- Previously, two workers lifted 38-kg mixing bowls containing resin up to 48 times per shift. They did this from a trolley at ground level into and out of the warming oven at the front of the resin film coating production line.
- This activity involved manually handling the resin mixing bowls and was identified by the company as a significant ergonomic risk.
- The lifting of the resin bowls also caused other potential problems such as risk of burns from close contact with the oven and the hot resin.

## AFTER



- The company collaborated with Haviland Industrial Ovens to replace the high-level oven with a floor-level one.
- The company designed a bespoke trolley, with a removable handle which allowed the resin bowls to be wheeled directly into the new oven. This eliminated the need to lift the bowls and reduced the manual handling risks.
- There are also fewer risks of resin spills and contact with the hot oven. Only one person is required to carry out the task, increasing productivity.
- Workers were consulted on the location and design of the oven and the risk analysis.