

# ECCODIPP

## Immersion Cleaning and Pre-Treatment Systems

Ideal for preparing parts for Powder Coating, Painting, Corrosion Protection and Architectural Certifications

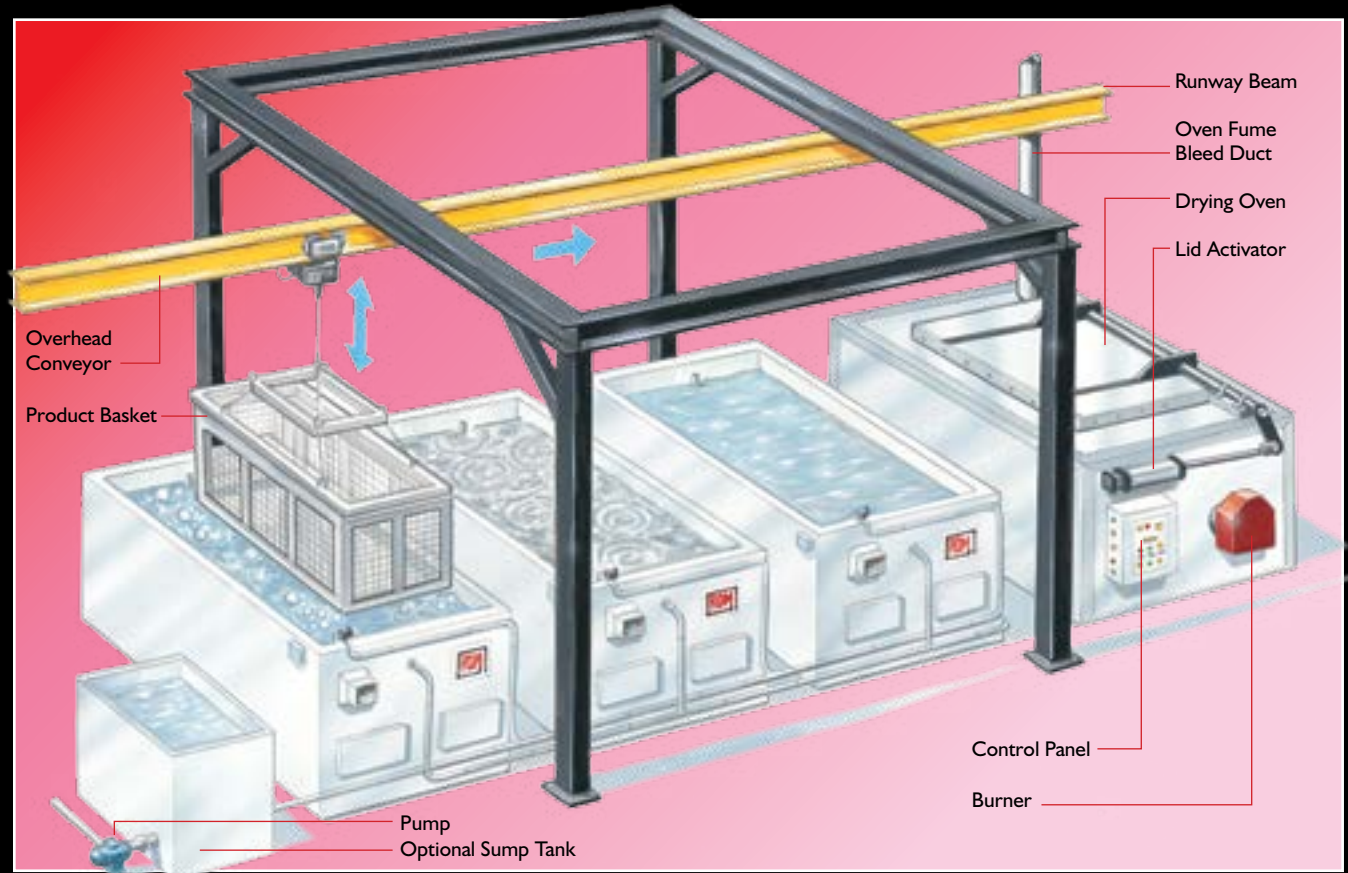


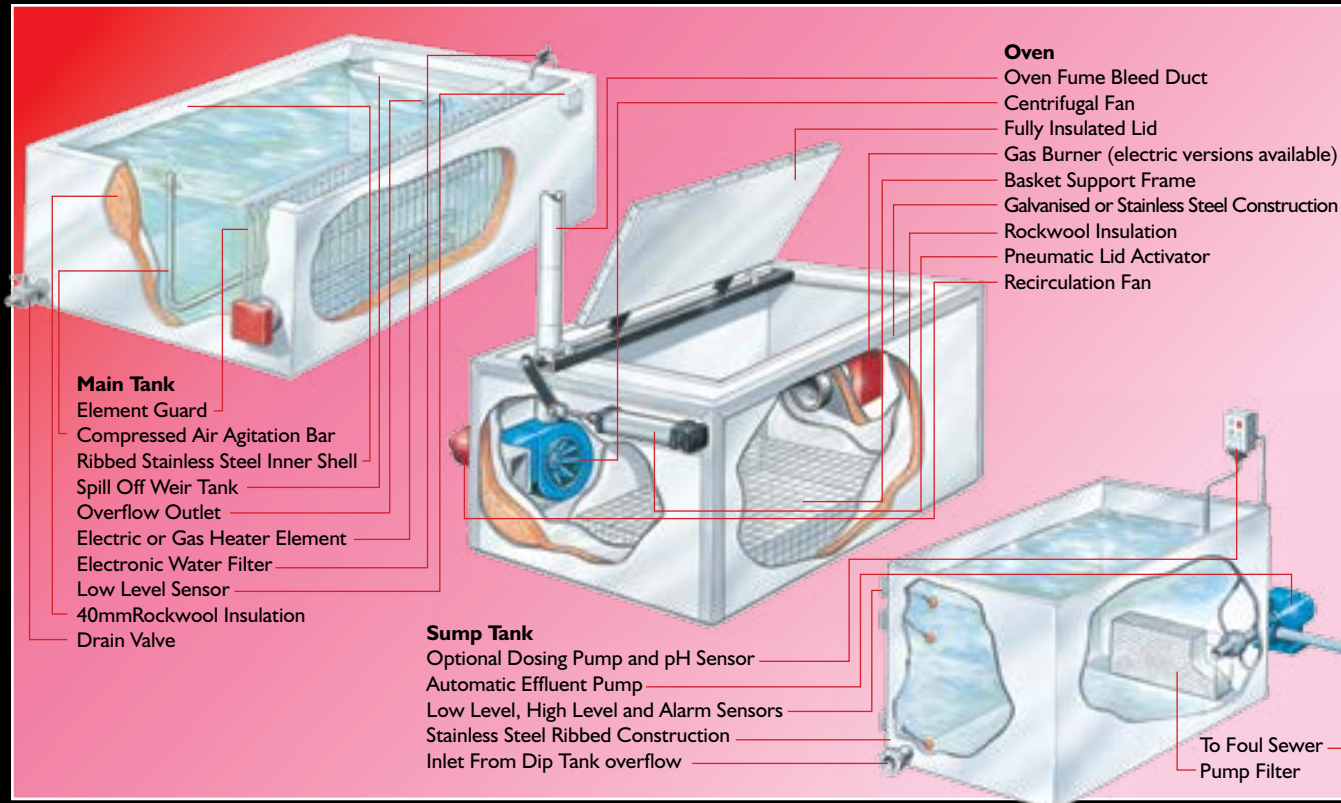
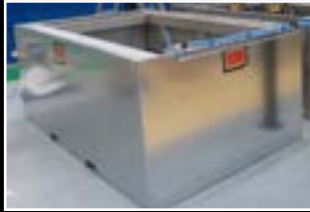
Established 1951

When optimal cleaning performance, efficiency, space saving and low running costs really matter, Dip Tank Cleaning Plant, manufactured by RDM Engineering, offer an ideal solution. A large range of tank sizes, tank materials and types as well as a huge range of commercially available and ecologically sound chemicals makes these systems unbeatable for performance and value.

- Unmatched cleaning performance
- Huge range of chemical options
- Very low operating costs
- Minimal energy consumption
- Stainless steel tank interiors
- Complete parts cleaning, even of hidden 'nooks and crannies'
- Fully insulated and double skinned heated tank versions
- Gas heated versions with 'Lanemark' tube burners
- Oil heated versions with immersed tube heaters
- Electric versions with immersed multiple and flanged elements, integrated thermostats and overheat protection
- Electronic level control with low voltage solenoid water fillers and adjustable float type level sensors
- Low air consumption liquid agitators as standard
- Choice of hoists, baskets and gantry types
- Minimal maintenance required
- Manufactured in the UK by RDM Engineering

The illustration shows a typical RDM heated degreasing and chemical treatment plant. Typically there would be heated cleaning and chemical process tanks and unheated cold rinse tanks. Products, either placed in baskets or individually, are lowered into each tank in turn for just a few minutes and the agitated solution within thoroughly cleans the products. In most of our installations, a 'well oven' with an automatic lid, placed at the end of the line, rapidly dries the products.





## Standard specification

- Tanks of 316 grade stainless steel construction as standard (other materials possible), providing a long service life.
- Tanks are fully welded of modular stiffened sections. All tanks are fully tested prior to delivery.
- Low voltage mains water feed valves and float type level sensors for safety and accurate level control.
- 40mm thick high density rockwool lagging with steel outer skin on heated tanks and 100mm thick high density rockwool lagging with steel outer skins on ovens to save energy.
- Electric elements are multiple oncoloy shielded type mounted onto a large sealed flange for simple removal.
- Gas heating is by ultra efficient 'Lanemark' tube heaters with suction fan and stainless steel heat exchangers for low running costs and very long life.
- Digital temperature control with thermocouple sensors on gas or oil heated versions for simple and accurate temperature control.
- Option of system start up and shut down clock to maximise productive time.
- Low level sensors utilising magnetic float switch technology shuts off heaters.
- Stainless steel perforated micro tube runs along the base of the tank. This provides compressed air agitation of the liquid and uses minimal compressed air.
- Large weir at the end of the tanks allows overflow liquid to skim the tank surface and is connected to a suitable drain or sump tank.
- Optional sump tank of stainless steel construction to collect overflows and allow tanks to be drained to a central location.
- Sump tanks remove the need for local pits, drain or foul sewer connections and they incorporate a heavy duty suction pump (for connecting to remote drain) and pump strainer.
- Sump tanks incorporate automatic high level pump start float switch and low level pump shut off, plus emergency very high level liquid system shut down with alarm and main water shut off to eliminate possibility of system tanks overflowing into work areas.
- Drying ovens have full fan air recirculation system with oversized centrifugal plug fan.
- Drying ovens have pneumatic ram type powered door, full control system with digital temperature control, electronic over temperature protection, electronic fan and flame failure protection, automatic ignition and gas pressure sensing.
- Overhead gantry and hoist systems available to suit a range of weights. Hoists have powered travel and powered rise/fall with simple pendant controller.
- Chemicals are widely available for a range of metal substrates and cleaning requirements including: iron phosphating, degreasing, zinc phosphating, alochrome, acid-picking, chromate conversion, rust preventatives, blackening and so forth.