



Kingston Engineering Co (Hull) Ltd  
Pennington Street Hull  
HU8 7LD East Yorkshire UK

Tel +44 (0)1482 325676  
Fax +44 (0)1482 216438

[sales@kingston-engineering.co.uk](mailto:sales@kingston-engineering.co.uk)

## Data Sheet 6 Corrosion Prevention

**Kingston Engineering** has been providing an anti-corrosive/erosive coatings service for more than 30 years and in that time has been involved across a wide range of applications. Examples of the types of work where we have been able to help are shown below.

### Surface Preparation

For larger ferrous components gritblasting in semi-automatic booth with angular chilled iron grit to British and Swedish standards. Nominal component capacity of 12m x 5m x 4m (40'x16'x13'), and up to 5 ton weight.

For smaller, more delicate components, we have variable blast pressure equipment available and hold stocks of less aggressive cleaning media, eg, for aluminium or brass components we recommend glass bead media. Kingston has capacity for 1m x 0.6m x 0.6m (3'x2'x2') fabrications.

### Surface Coatings and Treatments available

**Metal Spraying** to BS 2569: 1964 Part 1 in 99% pure zinc and aluminium for both marine and industrial applications. Coatings for elevated temperatures to BS 2569: 1965 Part 2.

Both of these materials offer excellent corrosion resistant properties; even thin coatings (minimum of 0.004" thick) will provide long life at a minimum cost. Both materials may be over-painted by conventional or airless paint sprayed applications.

**Paint Spraying** systems applied include zinc silicates, high-build 2-pack epoxy, chlorinated rubber, inorganic zinc, high-build vinyl etc.

**Ceramic Metal Coatings** are designed to re-build eroded material and to provide erosion/corrosion protection and increased operational life.

**Pickling** protection to BS CP3012: 1972 F2, for steelwork and pipes is available in Hydrochloric Acid tanks of 600 x 600 x 6m (2'x2'x20') and finished by oil spraying.

### Inspection, Protection and Transport

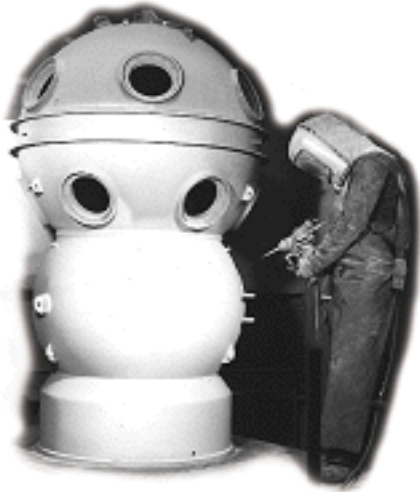
Trained Inspectors check all coatings for correct DFT. Finished sprayed or painted goods are wrapped for protection during transport throughout the UK.

Agents for





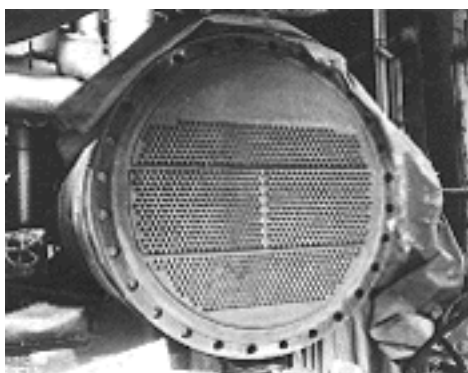
Metal sprayed coatings being applied to winch components for use in corrosive salt-water environment



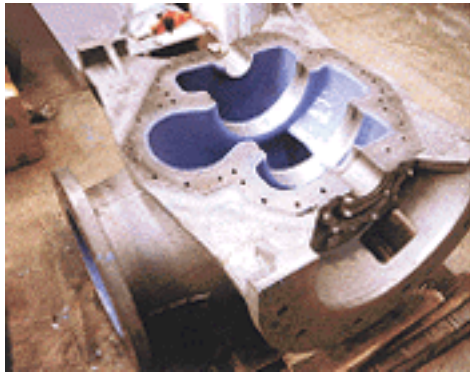
Zinc metal sprayed coatings being applied to the outer and inner surfaces of a Diving Bell.



The badly worn internals of this Deepwell Multistage Pump were rebuilt and coated with Ceramic Metal giving extended life.



This Condenser End Plate was fully rebuilt with Ceramic Metal using specialised application techniques.



This badly corroded, Split Casing Circulating Pump was completely refurbished using Ceramic Metal. Overall coating provided erosion-corrosion protection.