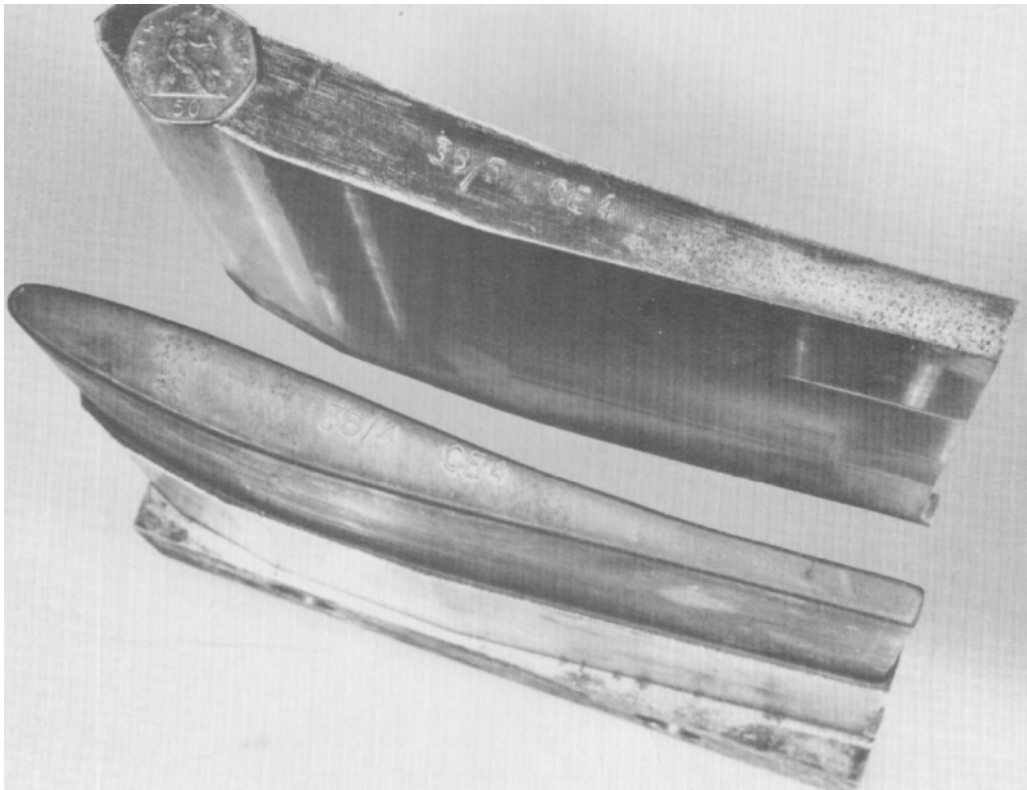


ECM electro chemical machining

application bulletin

The production of aerofoil forms by milling is very difficult even when using NC machines. The stainless steel component shown in the photograph has the aerofoil form "trepanned" along its 6" length by Electro Chemical Machining. A single station sinking machine equipped with a 900 litre electrolyte system with centrifugal clarifier produces these forms in just 45 minutes from the rough stage as shown. The additional benefits of ECM, such as no burrs and no blending of radii, add to the savings presently being enjoyed by the customer.



The ECM process has been chosen for this application for its repeatability and safety. This component is for the Nuclear Power Industry.

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