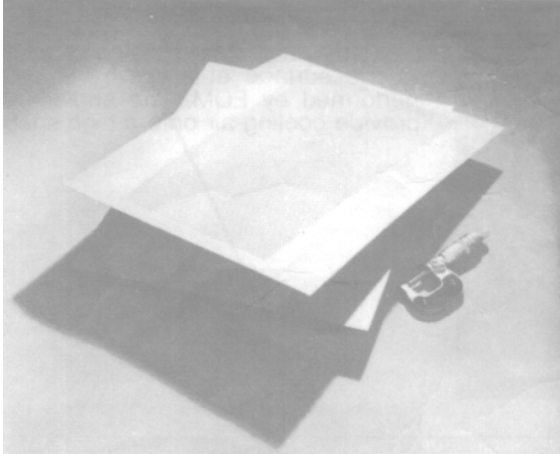


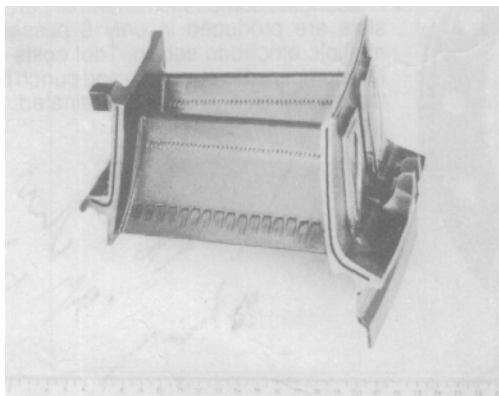
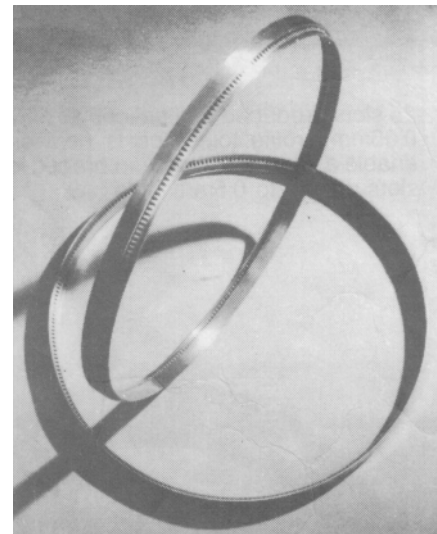
EDM electro discharge machining

application bulletin



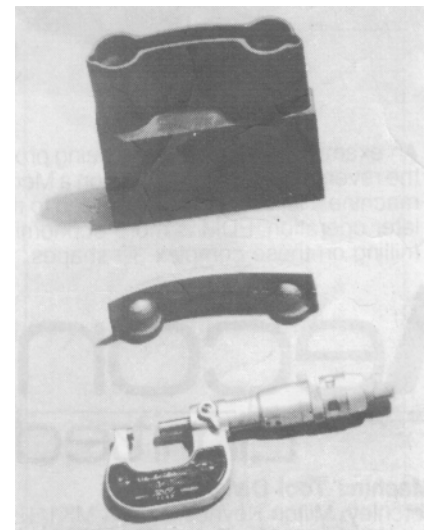
7,500 holes are produced simultaneously in this temperature resistant nimonic alloy sheet . EDM has enabled rapid machining without the distortion problems of punching and the time consuming method of NC drilling and drill breakage problems.

An example of the ability to EDM holes in multiples with a curved surface entry and exit in temperature resistant alloy. There are no cutting forces with EDM so the electrodes cannot be deflected from their true path.



A jet engine nozzle guide vane. The sealing strip slots in the root and shroud platform abutment faces and the cooling air slots and holes in the concave aerofoil surface were all produced by EDM. Vanes such as these, operating at very high temperatures, would not work without boundary layer cooling air produced by the introduction of these features which can only be achieved by EDM.

An aerospace part in titanium produced in one pass using the graphite electrode in the top of the picture. The components are trepanned from titanium sheet providing accuracy and reducing lead times not possible by forging.



ANOTRONIC LTD.

Unit 3, Hollingdon Depot, Stewkley Road, Soulbury,
Nr. Leighton Buzzard, Beds., LU7 0DF. England.

Telephone +44 (01525) 270261 Fax +44 (01525) 270235

E-Mail sales@anotronic.com

Internet <http://www.anotronic.com>



Anotronic Ltd is a company registered in England & Wales with company number 1658055
Registered at the above address. • VAT number 382-1697-32 • © copyright Anotronic Ltd. 1999-2013

AN17