



Pioneer Forge and Die Limited

'Forging your success'



Proven, Reliable Refurbishment of
Manufacturing Dies and Plant



ABOUT US

Manufacturing dies sets, tools and plant will last longer in the hands of experts, and no company has more expertise in repairs to forging dies than Pioneer.

In fact, Pioneer has been repairing and improving these parts for over 25 years.

During that time our passion for quality, our competitiveness and customer service has helped us to build an enviable reputation as a market leader in the United Kingdom and further afield, with work carried out in Eastern Europe, Poland, Slovakia, Czech Republic and in the emerging economies of India, Pakistan, Russia and China.

Pioneer specialise in flood and overlay welding repairs of forging dies and heavy plant repairs. We provide a "one-stop" service with all of the services required for a rapid and successful repair, including CNC machining and heat treatment, under one roof.

Based in Middlesbrough in North East England, we are probably the most experienced flood welding operator in the UK. We can boast a committed and motivated workforce,

We are well known for the quality of their work and innovative ideas. We are always investigating new ways of tackling manufacturing and equipment repair problems so that we can provide our customers with even longer lifetimes and higher performance.



FLOOD AND OVERLAY WELDING



PLANT MACHINERY REPAIR



CNC MACHINING

**PROVEN, RELIABLE REFURBISHMENT OF
MANUFACTURING DIES AND PLANT**

ZYGMUNT 10000B RAM

Zygmunt Hammer Forge Ram

Approximate weight 4.5T

Length 2.5m

Full Repair Procedure :

Stage 1 - On Delivery

RAM delivered to our works in Middlesbrough

Pre work goods inward inspection

Pre stress relieve heat treatment (in house) to remove residual stresses in the ram

100% MPI (magnetic particle inspection) inspection to identify cracks, defects etc

Report to customer



Stage 2 - Weld Repair

Scarf (arc air gouge) all defects out and MPI again to confirm defect free

Full weld repair procedure using tried and tested weld alloy

Cool to ambient and 100% MPI to confirm defect free



Stage 3 - Machining and Despatch

Pass to cnc machining section to re-machine damaged areas with respect to drawing provided by the customer

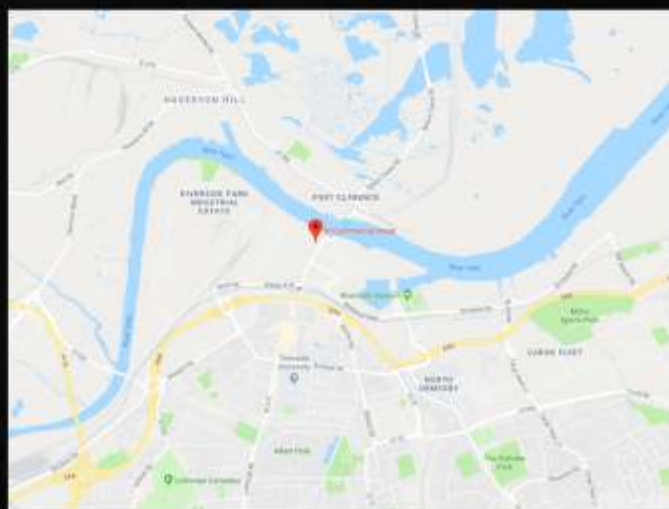
Supply and fit aluminium bung into piston head end using liquid nitrogen to freeze fit into position

Supply and fit tup insert as above

On completion 100% visual and dimensional inspection prior to despatch.



Find us....



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