

METAL STITCHING - COLD METAL REPAIRS

If you have responsibility for the maintenance of large items of industrial or marine plant the reality is that you may have suffered a major failure to a large casting. If so you will also be familiar with the cycle of events machine breakage ... lost production time, delayed orders.

Fortunately this sort of thing can be averted. Nicol and Andrew offer fast permanent repairs to castings using cold metal **stitching techniques**.

The repair we offer maintains alignment of original parts including machined surfaces. As there is no heat in our process, every part stays intact. The result is a repair that puts your casting back into production without costly delay.

Metal Stitching or Welding?

A major advantage of cold metal repair is that it provides an exceptionally high level of strength, typically 2 to 3 times that of a welded repair.

Furthermore cold metal stitching can actually strengthen weak areas of casting and you can end up with a casting stronger than when it was new.

Economical size?

There is no limit to the size of casting that can be repaired economically, large or small, thick or thin section_ even sections as thin as 6mm. With our inserts and patches equipment that appears to be beyond any hope of repair can be restored to an "as new" condition.

In-situ or Strip out?

As there is no heat in our process there is usually no need to strip equipment. Cold metal stitching allows repairs to be carried out without time consuming and costly dismantling and re-assembly procedures. Repairs can often be effected while the equipment is still in use preventing disruption to production schedules



Replacement of A Main Bearing Pocket



Removing & Inserting a Complete Top Section due to cracks



Removing a Damaged Diesel Engine Door And Metal Stitching In A New Insert



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**ISO 9001
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