

MaK™ On-Site Machining Solutions

In-Situ Metal Stitching of Cast Iron

What is On-Site In-Situ Metal Stitching of cast iron?

Damages or cracks on large cast iron components can lead to a complex exchange in the field. MaK™ On-site Metal Stitching allows the repair of cast iron to OEM specification in a timely and cost-effective manner.

On-site and In-Situ Metal Stitching offers significant savings by avoiding the costs and additional downtime associated with heavy cast iron components like engine block disassembly, removal, logistics, transportation and reinstallation.



What are the key benefits of In-Situ Metal Stitching?

- On-site rework to minimize downtime
- Classification Society approved
- Reduced total costs of service
- Workshop-quality on site
- OEM certified

Which engine models are covered?

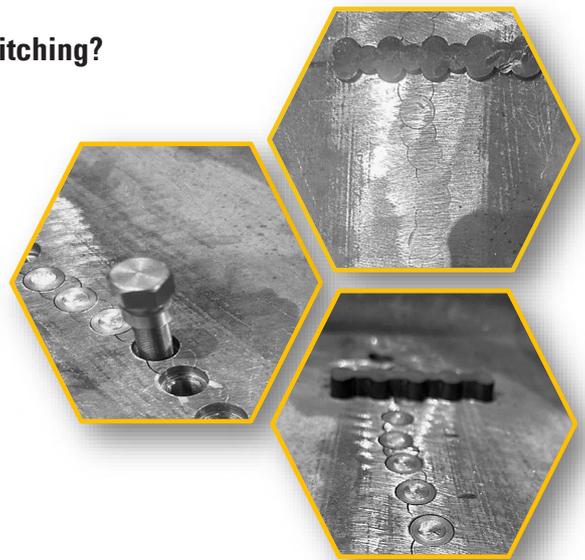
- All current engine models
- All legacy engine models

What does the Metal Stitching process look like?

1. Identification of the cracked area by none destructive testing and communicate to Marine Classification Society if applicable.
2. Adding pins and locks into the cracked area according to the OEM certified procedure ending in higher tensile strength as offered through competition.
3. Additional brackets or ribs will be designed and applied, if needed.
4. Regrind the reworked area.

Frequently Asked Questions

- Q Why choose Caterpillar?
A The MaK In-Situ Metal Stitching process is based on OEM calculation principles and are OEM and Marine Classification Society certified.
- Q Can all cast iron components be recovered?
A Most of the cast iron components are eligible for Metal Stitching repair. An investigation through Service Engineering will be performed upfront to grant immediate recommendation.





**Are you interested in MaK™ On-site Machining Solutions
or need further information?**

Please contact your dealer, local representative or the MaK REParts Center directly at:
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