



In-Situ Machining Services





Focusing on Prolonging your Machinery Life Cycle

KIMI

18+
**Years of on-site machining
experience around the globe**

24/7
**On-site specialists
availability anytime,
anywhere**

200+
**On-site solutions for engines
of any type and size**

With over 18 years of experience, our on-site specialists have the expertise, skills, and tools to undertake the on-site machining and restoration of almost any engine crankshaft back to Manufacturer's specifications.

Our portfolio of services involves a wide range of in-situ machining solutions, from crankshaft machining, line boring solutions to customized machining solutions with tailored tools designed for unique applications.



In-Situ Machining and Annealing

Our value proposition is our teams consisting of technicians experienced, not only in the use of in-situ machining equipment but also in material analysis, identifying failure causes and proposing the most appropriate reconditioning solutions.

We offer:

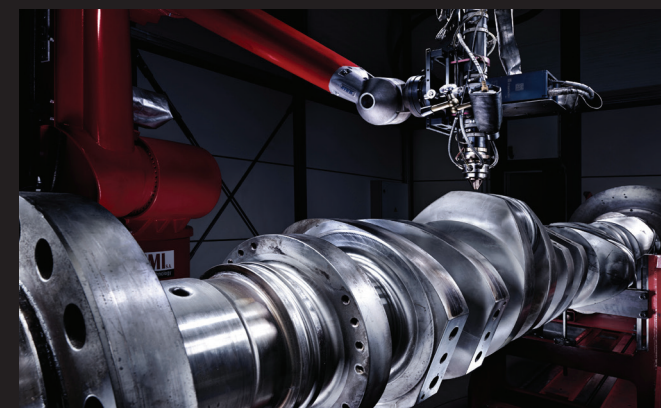
- **Machining or grinding of journals** for diameter range 135-600 mm
- **Material identification**
- **Hardness, roughness testing** and certificate issued in accordance with ISO 17025
- **Annealing** in the event of over hardness
- **NDT** services, blue marking and measuring provided by certified personnel (Level II PCN)
- **Radius / fillets** rectification
- **Blue marking** to ensure sufficient contact surface to the new undersize bearings
- **Undersized / oversized bearings** supply on very short delivery time



Complete Crankshaft Solutions: On-site or In-house

Severe bearing failures with sharp temperature fluctuations may cause the formation of “hard spots”. Our expertise in metallurgy enables us to effectively remove over hardness on site through a portable induction system, minimizing downtime and avoiding costly option of replacing crankshaft.

When dismantling and transportation of the crankshaft is feasible, KIMI offers a wide range of in-house crankshaft reconditioning services including journal restoration to original diameters with laser cladding and straightening.



On-site Line Boring

Our cutting-edge portable line boring tool, combined with our legacy of experience, ensure high precision and on-spec output.



When it comes to addressing critical bore failures, our experienced on-site specialists can offer a variety of in-situ line boring applications. From machining of bearing caps to larger scale projects such as machining of blocks, bedplates, rudder upper and lower bearing and V-bracket.

We offer:

- Laser alignment measurements
- Specially designed, portable line boring equipment with adjustable length tailored to meet the client's requirements
- High accuracy on site boring of any bore in-line, cylindrical components or rotating machinery
- Main bearing saddle restoration back to manufacturer specifications
- Quality control and testing by certified personnel (Level II PCN)

Key Benefits

- Extensive Global expertise across multiple Manufacturers, including Daihatsu, MAN, Yanmar, Ruston, Mak
- Cost effective in-situ solutions: avoiding costly replacement and transportation expenses
- Fast response time: 24/7 on-site specialists' availability
- Solution provider: tailor-made machining solutions and purpose-built tools, even for the most demanding cases
- Certified on-site personnel ensure quality assurance and restoration back to Manufacturer's specifications. Our services are certified to the standards ISO 17025, 9001 and 14001





SCAN ME



KIMI is an independent service organization that offers premium repair solutions for marine and power equipment. The company was established in 1984 and has since then evolved to a one-stop shop with a wide service portfolio.



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