

An aerial photograph showing a large, circular industrial machine mounted on a wooden deck, likely on a ship. The machine has a complex internal structure with various mechanical components and a central rotating part. Two workers in blue uniforms and white hard hats are standing near the machine, one is leaning over it. A black control console with various buttons and a water bottle is positioned to the left of the machine. Yellow and blue hoses are scattered on the deck. The word "TEAM" is overlaid in a blue box in the top left corner.

TEAM

A solid blue background with a white geometric pattern of overlapping cubes in the upper right corner.

Field Machining Services

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Bringing the Capabilities of a Fully Equipped Machine Shop to your Site

Dismantling of process equipment is sometimes impossible and often uneconomical. Enter field machining. Repair takes place on a piece of equipment without the need to strip it out and move it to a repair facility. Minimizing downtime can lead to great time and cost savings. The repair workshop is taken to the customer rather than the other way around.

Field machining can take place in a minimal timeframe and sometimes while adjacent machinery is still running. Tolerances and finishes are reliably reproduced in field environments using special portable machine tools.

However, even the best machining tools require experienced and well-trained operators. Precise measurements are essential to develop a suitable machining strategy.

Factors that Influence Onsite Machining

- Composition of the part's material
- Size, location and orientation of the equipment
- Distances and clearances to all obstructions near the machined area
- Special machining conditions at the work site
- Accessibility
- Environment and other restrictions
- Scope of work

Questions to Ensure the Right Machining Strategy is Employed

- What is the condition of the material being machined? Has it been heat treated, torched, hardened, exposed to constant high temperatures or otherwise had its properties changed? Has the part been welded?
- What level of precision needs to be achieved? Which machine is the right one to achieve that?
- What benefits would be offered by the next-higher level of machining quality?
- How will the field machining equipment be attached?

Solutions Offering

- Line boring
- Drilling and tapping
- Flange refacing
- 3-axis milling
- Foundation milling
- Valve seat grinding
- Key milling
- Shaft turning
- Pipe cutting and beveling
- Spot facing
- Self leveling machining
- Laser/optical measuring
- In-house engineering support and design
- In-house manufacturing
- Metal disintegration (MDM or spark erosion)
- Casing cutting
- External and internal tube cutting
- Finishing
- 3D modeling



Team strictly adheres to API, NBIC and ASME codes, guidelines, recommendations, and specifications.

TEAM®



TEAM has one of the largest in-stock supplies of field machining equipment in the world. Additionally, we custom design and fabricate specialty equipment to handle a number of challenges. All machines are pneumatically and hydraulically powered for use in plant environments where intrinsically safe operations are mandatory.

There is no one-size-fits-all approach to field machining. Our highly trained team is dedicated to formulating a repair procedure that minimizes downtime and ensures quality repair.

Advantages

- Offers precise, turnkey services with minimum dismantling required
- Provides compact tools for tight, cramped locations
- Enables simultaneous jobs with multiple tools and sizes
- Saves time, reduces costs compared to offsite services
- Benefits remote locations
- Improves repair accuracy and efficiency with our laser and optical measurement systems
- Utilizes stocked mobile shops with advanced machines for fast, efficient cutting, beveling and lathing

TEAM technicians are fully trained experts who have a high regard for both safety and the requirements of customer work sites. By utilizing the full range of TEAM's onsite Field Machining Services, you receive work and results that exceed any standard of quality – ensuring plant productivity and longevity. You'll also realize tremendous savings in transportation, logistics, labor, time, and – of course – money. Reliable repairs and modifications made right at your plant, right when you need them and right the first time.

Why TEAM?

- Single supplier for asset integrity management solutions worldwide
- Company-wide commitment to safety
- Trained and certified expert technicians
- Complete range of maintenance and repair services
- Engineering, manufacturing and technical support
- World-class quality processes and systems

TEAM experts are available 24 hours a day, 7 days a week, 365 days a year.

Find your local contact at TeamInc.com.

TEAM®



For over five decades, TEAM Inc. has been providing asset integrity to diverse industries, including oil & gas, aerospace, petrochemicals, pipeline, and power generation. Our integrated service approach covers everything from inspection to repair, ensuring our communities operate safely and efficiently.

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