

On-site Machining & Milling



KLINGER
trusted. worldwide.

Precision Mechanical Engineering Solutions

KLINGER Field Services

KLINGER offers cost-effective ON-SITE precision mechanical engineering solutions for modifications, repairs and maintenance.

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

KLINGER's field machining services enable cost-effective modification and repair of a variety of parts and equipment on site and in-place 24-hours a day. Ideal for new construction projects, modifications, planned shutdowns and emergency repairs, our comprehensive equipment has the capacity to face mill, bore drill or carry out any other machining activity normally associated with a machining workshop.

In-Situ Flange and heat exchanger machining is an integral part of a planned shutdown. At KLINGER we understand the importance of the correct surface finish on Gasket sealing faces, which is a fundamental to the joint Integrity and a Leak-free start-up. Our fleet of flange facing machines and qualified Technicians can ensure the quality of the sealing face is restored to the correct specification.

Our On-site 3-Axis Milling machine compliments the flange facing machines, whereby division plates in Heat Exchangers can be milled to ensure a uniform finish. The milling machine is also suitable for the milling of O-Ring Grooves; Crane pedestals; Heat exchanger repair; Motor and pump mounting pads; Steel mill housing; Turbine split line machining.



Technician preparing the Mounting Plate to ensure machine is set up Level with all surface



Rigging of Milling Machine into position



Milling of O-Ring Groove in Compressor

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.

Contact your local KLINGER Sales Representative for more information.

+27 11 842 8300 | sales@klinger.co.za | www.klinger.co.za

3-AXIS MILLING MACHINE

MRY1500, 3-AXIS MILLING MACHINE

- » Induction hardened 'V' rails ensure accuracy and durability
- » Ball-screw feed
- » Hand & auto feed to main axis
- » Direct drive ISO 40 spindle
- » Choice of Pneumatic and Hydraulic drive
- » Variety of mounting options including; bolting, switch magnets, chain clamps and gantry.



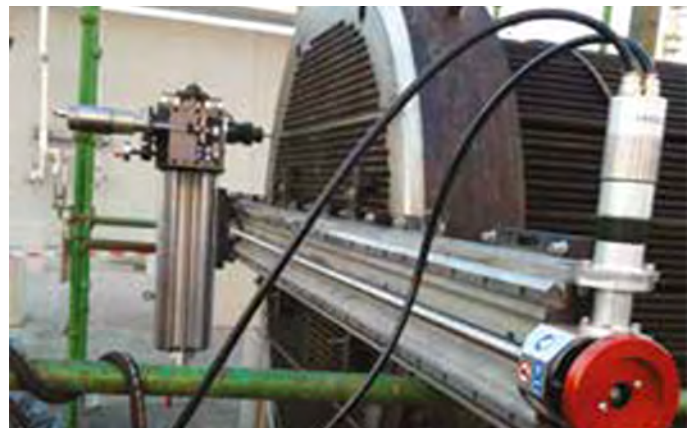
X-Axis Maximum Stroke		Y-Axis Maximum Stroke		Drive Power Options	
(inch)	(mm)	(inch)	(mm)	Pneumatic	Hydraulic
60	1500	12	305	•	•
80	2000	12	305	•	•
120	3000	12	305	•	•

APPLICATIONS:

KLINGER on-site milling rails are incredibly versatile.

Common on-site machining applications include: heat exchangers, pump and motor pads, steel mill stands, ship building, turbine split lines and many more.

Each machine is supplied complete with toolkit including tools and inserts, air filter lubricator (on air models) and horse connection, storage / shipping box, CE certificate, and packing list and manual.



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