

VALUE ENGINEERING PVT LTD

FABRICATION PROFILE



Value Engineering Fabrication Department was established primarily with the view of becoming a service provider that provides sustainable solutions to the mining and heavy-duty industrial operations.

We design, manufacture, repair and recondition earthmoving equipment i.e., front end loader buckets, dragline buckets, excavator buckets, H frames, Swing levers, Z bars and associated linkages, as well as machining of pins, bushes and line boring – both in the shop and on site. We also manufacture new components as well as offering on-site repairs.

Our commitment to our clients is to provide sound advice, timely deliveries and quality service and assurance.

1. Our Team

We have a qualified and experienced team of Class 1 boilermakers, machinists, fitters and turners, diesel fitters and welders to tackle any job on general fabrication or maintenance on earthmoving equipment.

Our on-site technicians can perform select types of welding and fabrication at your job site. In most cases, these jobs involve repairing or replacing a part of your equipment. We can remake or weld simple components to get your equipment running again. Since our technicians have factory training for welding and machining, they will provide durable and high-quality results.

2. Our Machinery

We have a fully equipped welding and fabricating workshop and service truck ready to dispatch to your job-site to minimize your downtime.

a) WELDING

Our welding types include

- MIG and stick welding
- TIG welding
- Arc Welding
- CO2 Welding

b) MACHINING

Our machining team shapes a variety of metals into long-lasting components. They have machining equipment such as:

- Milling machines
- Lathe machines
- Drilling machines
- Hardening Furnaces

c) **LINE BORING MACHINES**

We have in-shop and portable line boring machines that can restore your parts to their original dimensions. These machines can handle diameters ranging from 1 inch to 24 inches. We also have a horizontal boring machine and a radial drilling machine available on site for all jobs that require this service.

3. Services and Products

We offer the following services:

a) Design, Rebuild and repair of

- Buckets
- H-Frames
- Front and Rear Frames
- Z bars
- Swing Levers
- Rock breaker Booms

b) Supply, Design, Manufacture and Installation of:

- Throttle Liners for the mining industry
- Clamshell doors
- Chutes
- Conveyor Head and Tail pulleys
- Case Hardened Pins
- Case Hardened Bushes
- Clevises
- Tips
- 1/2 Arrows
- End Bits
- Wear buttons & Wear plates
- Cutting edges for Dozers & Loaders
- Bolts & Nuts

c) On-Site work: (Surface and Underground)

- On-Site Line boring specialists
- Bore welding
- Welding repairs
- Boiler making
- Field service
- Maintenance

d) General engineering, welding and machining work

e) TMM maintenance on-site and Field services

4. Sample Works Done to Date



Fig A- Before and After Scenarios on a H Frame



Fig B – Before and after scenarios on an LHD H Frame and Swing Lever

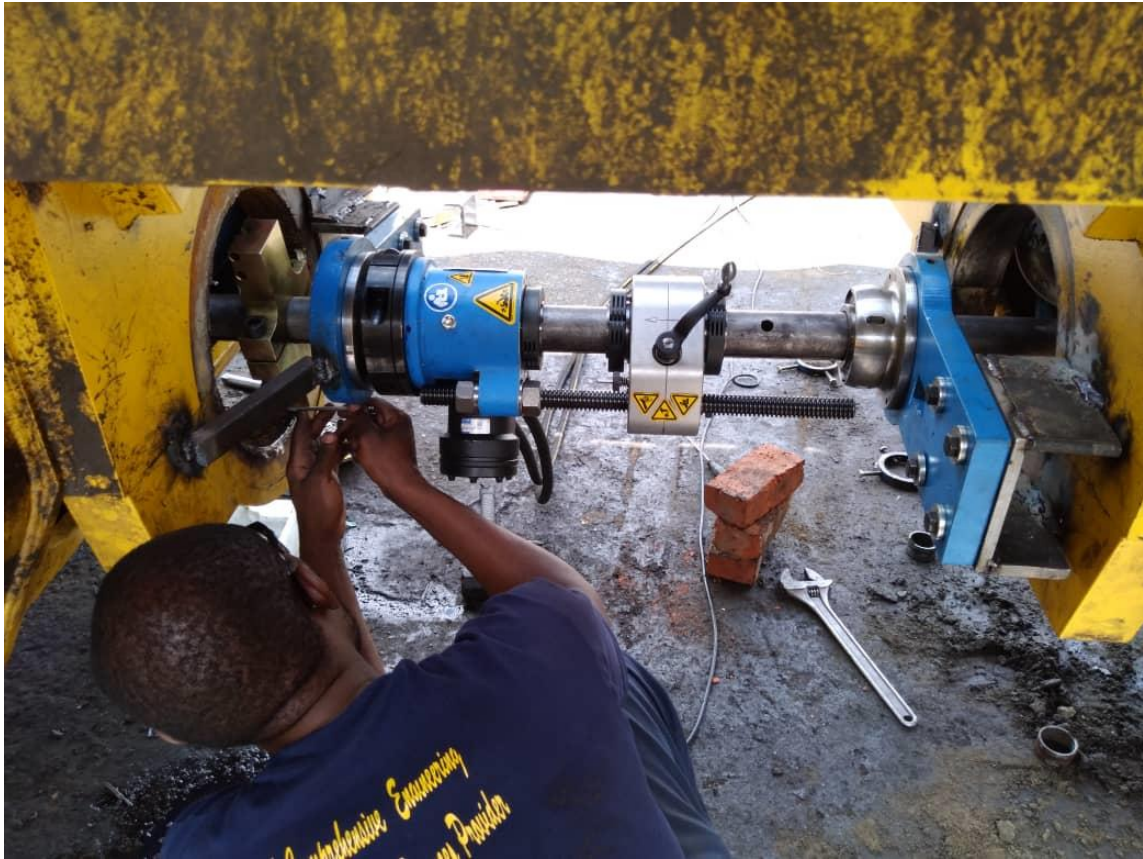


Fig C – Underground Dump Truck Centre Line boring



Fig D- Before and after scenarios on a bucket



Fig E- Site Installations and Rectifications



Fig F- Before and After on a Rock breaker Boom