

STEPOLI TECHNIQUES LIMITED



COMPANY PROFILE



2014

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WELCOME

RELIABLE • EFFICIENT • PROFESSIONAL ENGINEERING SOLUTIONS



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EXECUTIVE SUMMARY

STEPOLI TECHNIQUES LTD is a proudly Kenyan-owned engineering company serving clients across Kenya, East Africa, and the wider African region. Established in 2014, the company was founded by experienced industry professionals with a shared vision of delivering reliable engineering solutions, high-quality equipment, and exceptional customer service.

Over the years, Stepoli Techniques has grown into a trusted partner for industries that depend on efficient steam and energy systems. Our core expertise includes industrial boiler and air compression system supply, installation, servicing, repairs, upgrades, and maintenance. We also provide boiler spare parts, burner components, generator spares, steam line design and installation, cladding works, electrical systems maintenance, motor and pump repairs, control panel upgrades, power factor correction systems, and engineering project consultancy.

Our commitment to quality has enabled us to successfully complete numerous boiler projects and build partnerships across multiple countries. Every project we undertake is guided by a simple philosophy: ***deliver dependable solutions, provide outstanding service, and create long-term value for our clients.***



At Stepoli Techniques Limited, quality is not limited to the products we supply. It is reflected in every stage of our work - from technical consultation and system design to installation, commissioning, operator training, and after-sales support. We believe that strong customer relationships are built on professionalism, transparency, and responsiveness.

Innovation remains a key driver of our growth. Our team of engineers, technicians, and technical specialists continuously explores new technologies and improved engineering approaches to help clients achieve greater efficiency, reliability, and sustainability. Through continuous learning and improvement, we ensure that our solutions remain relevant to the evolving needs of modern industries.

As a responsible corporate citizen, we also recognize the importance of contributing positively to society. We support sustainable business practices and strive to create value not only for our customers but also for the communities we serve.

Today, Stepoli Techniques Limited continues to build its reputation as a dependable engineering solutions provider, helping businesses maximize performance, reduce downtime, and achieve operational excellence.



VISION & MISSION

- **Vision:** To be the trusted engineering partner for industrial boiler systems, power backup solutions, and plant management services across East Africa.
- **Mission:** To deliver reliable, cost-effective, and innovative engineering solutions while maintaining the highest standards of professionalism, technical excellence, safety, and customer service. We achieve this through continuous training, innovation, and the development of a highly motivated team.

Strategic Objectives:

- To leverage modern engineering technologies and industry best practices to deliver efficient and effective solutions.
- To continuously improve service quality and operational excellence, strengthening our competitive advantage in the market.
- To provide high-quality engineering services at competitive and sustainable prices.
- To build long-term partnerships through exceptional customer support and reliable project delivery.
- To promote innovation, safety, and continuous improvement in all our operations.



PRODUCTS

- Generators
- Boilers
- Air vents and vacuum temperature
- Steam injection and temp
- Level control
- In circulating system
- Separators
- Bellowsealed stop valve strainers
- Steam trap monitors
- Check valves
- Float
- Air Compressors
- Redacting valve
- Pressure power pump
- Thermodynamic
- Water pumps
- Electric motor
- Burner
- Pneumatic pressure control system
- Pressure gauge
- Pilot actuated pressure
- Float
- Check Valves
- All electrical spares



SERVICES

- Installation and commissioning of Generator sets
- Servicing of Generator sets
- Installation and commissioning of Boilers
- Relocation/shifting of generator and boilers
- Boiler operation
- Boiler overall and maintenance
- Pressure testing in boilers
- Lugging and cladding
- Supply boiler spares and burner spares
- Supply of Generator pairs
- Pipe fitting
- Mechanical and electrical work
- Project management
- Installation and servicing of air compressor systems

Fabrication of:

- Ring main
- Chimneys
- Heater and water tank
- Ducting
- Structures
- Towers
- Calorifier



EQUIPMENTS

Stepoli Techniques Limited possess different types of Equipment among them:

Heavy welding machines

Tig machines

Electrical grinder

Heavy dutydrills

Rolling machine

SW edging machine

Lock forming machine

Cut off machine

Argon cylinders

Pan folder

Pipe benders

Guillotine

Chain blocks

Jacks



WHY CHOOSE US?

- **Industry Expertise:** Our team consists of certified welders, mechanical engineers, and technicians.
- **Customized Solutions:** We design setups tailored specifically to your facility's operational needs and space constraints.
- **Rapid Response Time:** Based locally to provide swift on-site assistance and prevent costly operational delays.
- **Safety First:** Strict adherence to local and international occupational health and safety regulations.



CLIENTS



CLIENTS



CLIENTS



MACHINE SPECIFICATIONS



VSS GLOBAL

The VSS Series Horizontal Internal Combustion Boiler is a three-pass, fully automatic steam boiler designed using proven engineering principles and modern international boiler technology. The design combines advanced manufacturing techniques with practical operating experience to deliver reliable performance, high efficiency, and long service life.

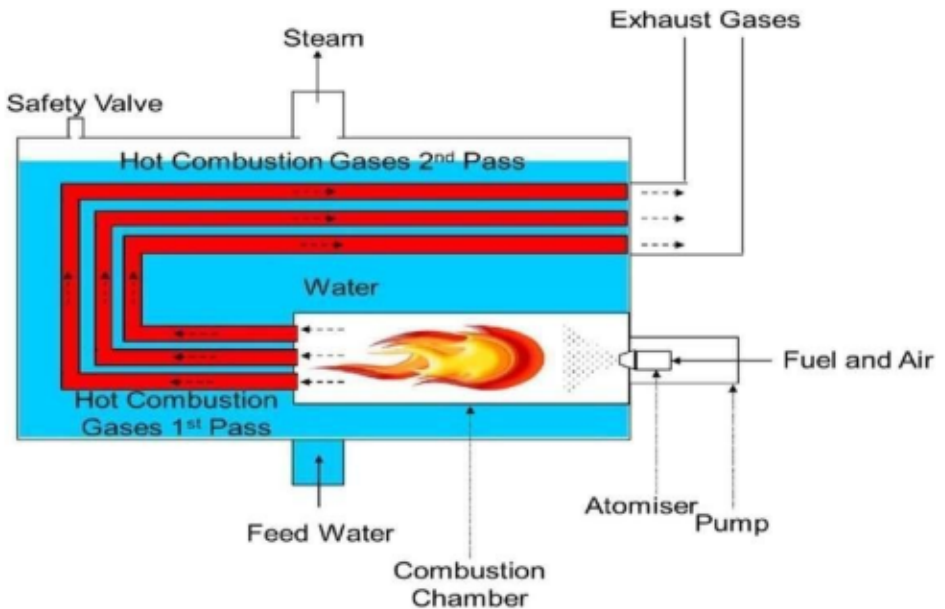
During operation, fuel is atomized by the burner and ignited within the wave-form furnace, creating a stable flame that fills the combustion chamber. The furnace absorbs and transfers radiant heat as the first pass of the combustion process.

The hot combustion gases then move into the rear combustion chamber before reversing direction through the main tube bundle for the second pass, where significant heat transfer takes place. After further cooling, the gases travel through the third pass pipe bundle before exiting through the rear smoke chamber and chimney.

This three-pass design maximizes heat recovery, improves fuel efficiency, and reduces energy losses. The result is a boiler that offers dependable performance, lower operating costs, reduced emissions, and consistent steam production.



The VSS Series is engineered to provide safe operation, energy efficiency, environmental compliance, durability, intelligent automatic controls, and simplified maintenance. Its performance meets and exceeds many modern industrial boiler requirements, making it suitable for a wide range of industrial applications.



MAXTHERM STEAM BOILER



We're the appointed agent and authorised dealers of Maxtherm Boilers in East Africa, specialising in their oil and gas-fired range. Maxtherm boilers are engineered for high efficiency and consistent performance across diverse industrial sectors like textiles, chemicals, and food processing.

The Maxtherm brand also includes hybrid and multi-fuel boilers capable of firing biomass, coal, and agro-waste, often utilizing advanced fluidized bed or bubbling bed combustion technologies for maximum fuel flexibility.



MANUFACTURING PROCESS

Every VSS Series boiler is manufactured using advanced CNC machining technology to ensure precision, consistency, and durability. Critical processes such as steel tube preparation, tube plate drilling, rolling, and component fabrication are carefully controlled to minimize assembly stress and extend equipment lifespan.

Front and rear smoke chamber panels are produced using CNC plasma cutting technology, ensuring accuracy, clean finishes, and high-quality fabrication standards.

The welding process follows strict quality control procedures. Longitudinal and circumferential welds are completed using advanced submerged arc welding techniques to achieve strong and reliable joints. All major weld seams undergo comprehensive radiographic inspection to verify structural integrity and compliance with quality standards.

To further enhance durability, smoke tubes are expanded before welding to eliminate gaps between tubes and tube plates. Automated argon arc welding is then applied to reduce stress concentrations and improve long-term performance.



The furnace insulation system utilizes premium aluminum silicate fiber materials combined with high-temperature refractory compounds. This construction minimizes heat loss, improves thermal efficiency, and helps maintain safe external surface temperatures.

Additional insulation within the front and rear smoke chambers further improves heat retention, reduces fuel consumption, and enhances overall boiler efficiency.



CUSTOMER FEEDBACK

At Stepoli Techniques Limited, customer feedback plays a vital role in our continuous improvement efforts. We actively engage with our clients to understand their needs, evaluate our performance, and identify opportunities to enhance service delivery.

This feedback-driven approach allows us to maintain high service standards while developing innovative solutions that create greater value for our customers.



CONTACT DETAILS

For inquiries, technical support, project consultations, equipment supply, or service requests, our team is always ready to assist.

Management & Team Contacts

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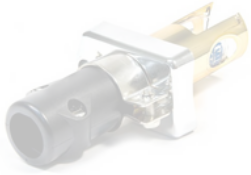
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