



TRAFOFAB
PVT LTD

Power Protected.
Performance Assured.



ABOUT US

Trafofab private limited is leading manufacturer of tanks for power/distribution transformer, fabricated frames, other fabrication works.

Established in 2026 with world class manufacturing facility at Rajkot, Gujarat with build up area of 100000 square feet. This facility of creating transformer tanks has capacity to process 12000 MTPA

TRAFOFAB

Powering the Future
with Precision Fabrication



VISION

To be a preferred and reliable manufacturing partner for transformer tanks and radiators in India and global markets.

MISSION

- ▲ To manufacture defect-free transformer components
- ▲ To comply with applicable IS and IEC standards
- ▲ To ensure customer satisfaction through quality and timely delivery
- ▲ To continually enhance manufacturing and quality processes

QUALITY ASSURANCE

Quality is maintained through systematic inspections at:

- ▲ Raw material stage
- ▲ In-process fabrication stage
- ▲ Final inspection before dispatch



ABOUT OUR TRANSFORMER TANKS

We Specialize In Manufacturing Robust Transformer Tanks For Distribution Transformers, Power Transformers, And Custom Electrical Equipment. Every Tank Is Fabricated With Strict Quality Control Procedures To Deliver Dependable Performance And Durability.

KEY FEATURES

- ▲ Heavy-duty steel construction.
 - ▲ Precision welding for leak-proof performance.
 - ▲ Corrosion-resistant surface treatment.
 - ▲ Custom-designed dimensions and configurations.
 - ▲ High mechanical strength and durability.
 - ▲ Suitable for indoor and outdoor installations.
 - ▲ Compliance with industry standards.
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MACHINERY LIST

- ▲ Laser Metal Cutting Machine (SIL Make) – 2 NOS
- ▲ Laser Tube Cutting Machine (SIL Make) – 1 nos
- ▲ Bending Machine – 1 nos
- ▲ Mig and Multipurpose Welding Machine – 10 nos.
- ▲ High mechanical strength and durability
- ▲ Straightening Machine
- ▲ Shot Blasting machine
- ▲ Painting Room
- ▲ Ready For Dispatch Material Storage
- ▲ Maintenance Shop

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OUR MANUFACTURING PROCESS

1. Design & Engineering
2. CNC Sheet Cutting
3. Precision Forming & Fabrication
4. Advanced Welding
5. Leak Testing
6. Surface Preparation
7. Blasting
8. Painting & Finishing
9. Final Inspection & Dispatch

QUALITY ASSURANCE

Quality control measures are implemented throughout the Fabrication process to ensure that the tanks meet industry Standards and customer requirements. Once completed, the Tanks are thoroughly tested before being shipped to customers.

Every Transformer Tank Undergoes Rigorous Inspection And Testing Procedures, Including:

- ▲ Dimensional Verification
- ▲ Weld Quality Inspection
- ▲ Leak-proof Testing
- ▲ Surface Coating Inspection
- ▲ Structural Integrity Checks
- ▲ Final Quality Certification

RELIABILITY

Manufactured to deliver long-term performance under demanding operating conditions.

CUSTOMIZATION

Flexible designs tailored to specific customer requirements.

QUALITY

Strict quality control at every stage of production.

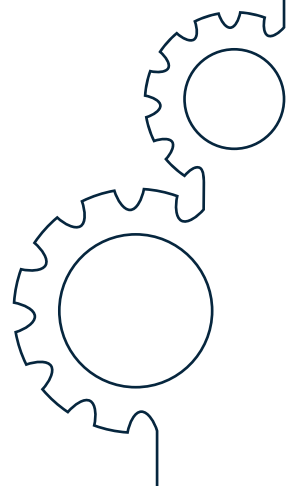
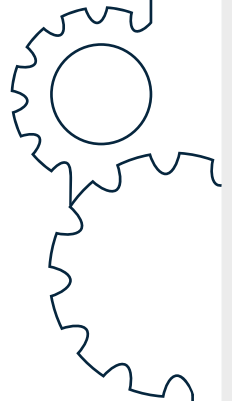
TIMELY DELIVERY

Efficient production planning and project execution.

TECHNICAL SUPPORT

Dedicated engineering assistance from design to delivery.

TRAFOFAB



LASER CUTTING MACHINE

LASER SOURCE	SIL OEM LASER SOURCE (MAX)
X AXIS STROKE	6550 MM
Y AXIS STROKE	2525 MM
Z AXIS STROKE	280 MM
WORKING AREA	6500 MM X 2500 MM
X, Y POSITIONING ACCURACY	± 0.03 MM/M
BASE	FABRICATED
GANTRY	ALUMINIUM EXTRUSIO (FOR HIGH ACCELERATION & RAPID
MAXIMUM ACCELERATION	2.5G
RAPID SPEED	180 M/MM
CONTROLLER	FANUC
SERVO MOTORS & DRIVES	FANUC (4.5 KW)
RACK & PINION	YYC TAIWAN
LM GUIDE	PM/HI WIN (TAIWAN)
CUTTING HEAD	RAYTOOLS AUTOFOCUS BS 15K MOTORIZED (SWISS)
GEAR BOX	NIDEC (JAPAN)
WATER CHILLER	SIL MAKE CHANNEL CHILLING UNIT
BLOWER	INCLUDING
ENCLOSED BODY	INCLUDING
DUAL PALLET CHANGER	INCLUDING



PIPE CUTTING



LASER SOURCE	SIL OEM LASER SOURCE
PIPE LENGTH	6500 MM
DIAMETER	20 MM - 220 MM
X, Y POSITIONING ACCURACY	± 0.03 MM/M
BASE	FABRICATED
MAXIMUM ACCELERATION	1.5 G
RAPID SPEED	130 M/MM
CONTROLLER	SIL OEM CONTROLLER
CUTTING HEAD	SIM OEM AUTOFOCUS MOTORIZED (POWER UP TO 4KW)
MOTORS & DRIVES	PANASONIC SERVO MOTORS AND DRIVES
GEAR BOX	SIL OEM PRO
LM GUIDE	PMI/HI WIN (TAIWAN)
WATER CHILLER	SIL MAKE DUAL CHANNEL CHILLING UNIT
BLOWER	INCLUDING
GAS PRESSURE CONTROL SYSTEM	SIL PRO PISTON BASED 30 BAR FOR ALL3 LINE O2/N2/AIR

BENDING MACHINE

CAPACITY	KN	4500
MAX. WORKING LENGTH	MM	4300
FRAME DISTANCE	MM	3700
THROT GAP	MM	400
DAY LIGHT	MM	600
STROKE	MM	350
NO. OF CYLINDERS	NOS.	02
LOWERING SPEED	MM/SEC.	50
PRESSING SPEED	MM/SEC.	07
RETURN SPEED	MM/SEC.	50
POWER	KW	30



ROLL FOAMING MACHINE



STRAIGHTENING MACHINE



IRON WORKER OR
CHANNEL CUTTING MACHINE

Disclaimer

Every precaution has been taken to ensure that this publication is accurate & up-to-date on the date it is printed. This document has been created on the basis of pilot lots and prototypes. As part of its ongoing product improvement policy TRAFO FAB PVT LTD. reserved the right to modify the specifications described and shown at any time. Please contact TRAFO FAB PVT LTD. for the latest information. Due to printing limitations, the colors that appear in this document may differ slightly from the actual part or upholstery colors, all right reserved.



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Survey No. 177 Paiki 8/ Paiki 2Rajkot- Gondal Nh-27,B/h. Austin Alloy Cast Pvt. Ltd. ,
Village: Bharudi 360 311 Tal. Gondal, Dist. Rajkot (Gujarat - India)
m.: +91 90815 37378 | e.: info@trafofab.com | w.: www.trafofab.com

