

ABOUT US

S.R.THERMAL SOLUTION
Company established since 2017

We are manufacturing heat treatment furnace, furnace spare part and reconditioning work.

We are specialists in Horizontal & Pit Type Gas Nitriding Heat Treatment Furnace manufacturing.

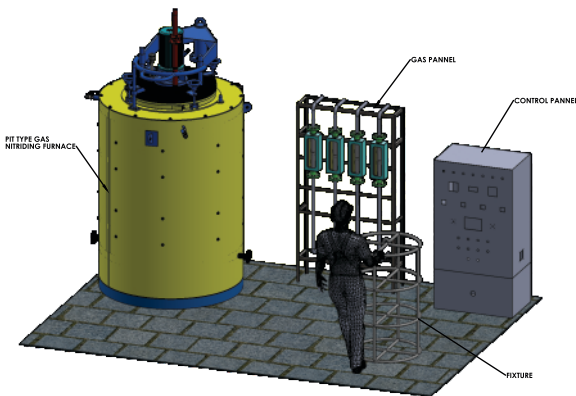
We are interested to develop business relations with esteemed organization.

GST NUMBER: 27BCLPT4764N1ZM





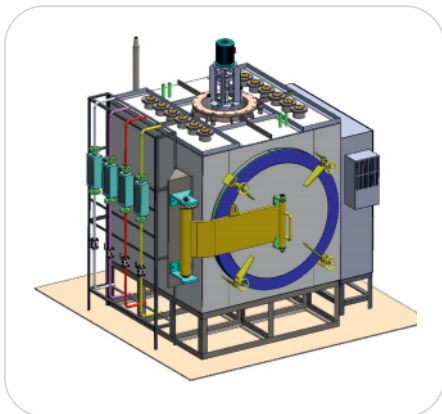
FURNACE MANUFACTURE DIVISION



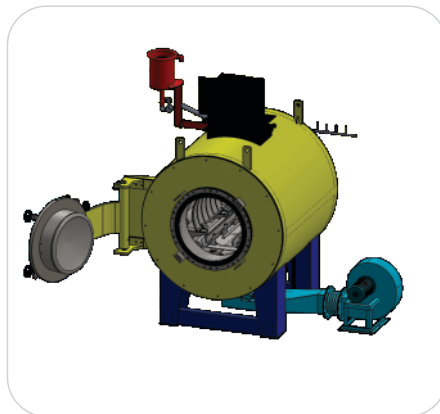
PIT TYPE GAS NITRIDING FURNACE

STANDARD SIZE	MODEL	DIAMETER	HEIGHT	CAPACITY
WORKING ZONE DIMENSION	SRTS-60/100	600 mm	1000 mm	600 kg
	SRTS-70/120	700 mm	1200 mm	800 kg
	SRTS-80/120	800 mm	1200 mm	1000 kg
	SRTS-80/150	800 mm	1500 mm	1500 kg

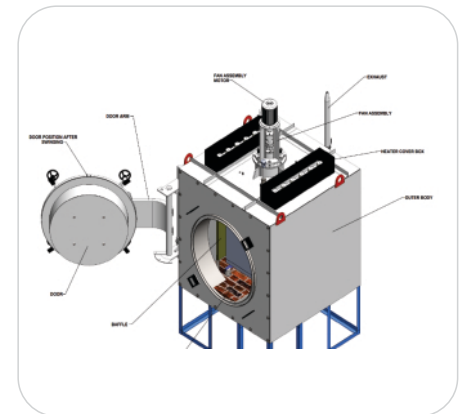
HORIZONTAL TYPE WITHOUT RETORT GAS NITRIDING FURNACE



HORIZONTAL TYPE WITH RETORT GAS NITRIDING FURNACE



PRE HEATING / TEMPERING FURNACE



Process : Gas Nitriding / Nitro-Carburising - Nitriding + Oxidation - Pre Heating - Tempering / Strees Relieving

STANDARD SIZE	MODEL	WIDTH	HEIGHT	LENGTH	CAPACITY
WORKING ZONE DIMENSION	SRTS-60/50/130	600 mm	500 mm	1300 mm	600 kg
	SRTS-60/60/120	600 mm	600 mm	1200 mm	800 kg
	SRTS-90/80/120	900 mm	800 mm	1200 mm	1000 kg
	SRTS-90/80/180	900 mm	800 mm	1800 mm	1500 kg

SEALED QUENCH FURNACE



Type: SRTS-60/120

Capacity: 600 kg/800 kg/1000 kg

Process: Case Carburising

Hardening, Tempering

BOGIE HEARTH FURNACE



Capacity: 500/ 1000/1500 Kg

ALUMINIUM AND AGING FURNACE



Type: SRTS-150/80/110

Capacity: 400 Kg

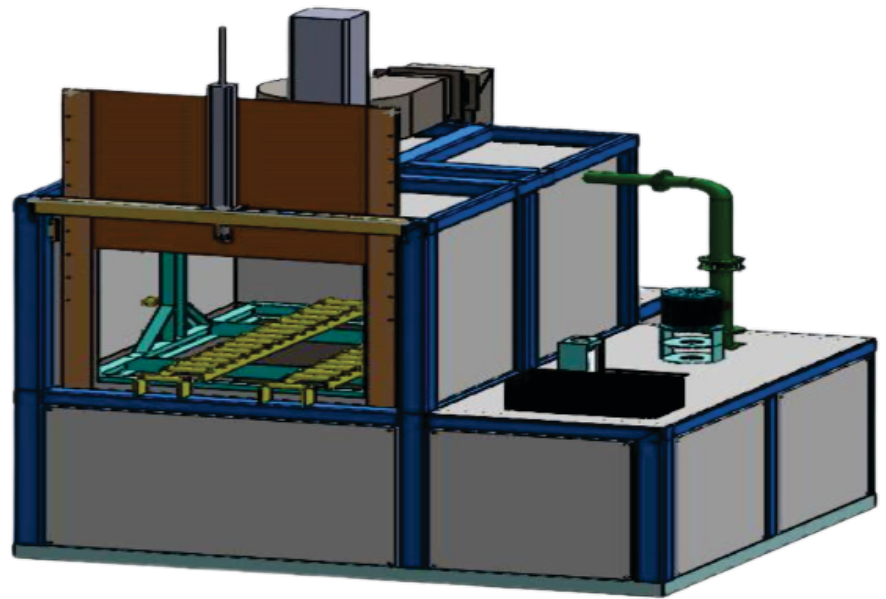
Process: Solution

MOTORIZED ROLLER TABLE



SQF LINE WASHING MACHINE

Capacity : 400 kg | 600 kg | 800 kg | 1000 kg | 1200 kg



HEAT TREATMENT UTILITY



Ammonia Manifold-Automatic Change Over System

Capacity: Cylinder 5+5,
Cylinder 1+1, Cylinder 10+10,
Cylinder 2+2, Cylinder 15+15



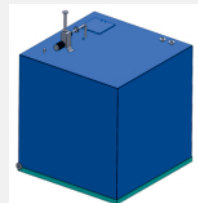
Nitrogen Manifold Automatic Change Over System

Capacity: Cylinder 5+5,
Cylinder 10+10,
Cylinder 15+15



LPG LOT System Auto shut up system

Vaporized	System Cylinder
30kg/hr	5+5
50kg/hr	10+10
100kg/hr	15+15



Safety Quenching Tank-Level Indicator and Oil Pump

Tank Capacity:
8,000 Liter
12,000 Liter
15,000 Liter

FURNACE SPARE PARTS MANUFACTURING



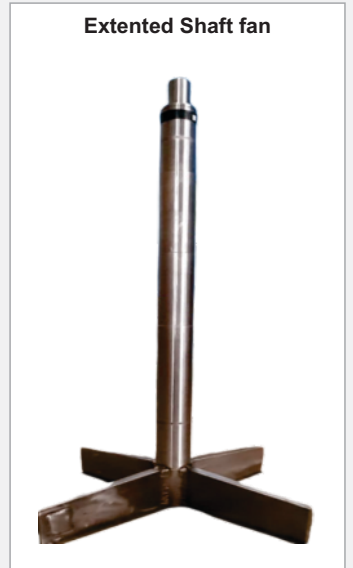
Roller



Radiant Tube



Endo Retorts



Extented Shaft fan



FURNACE LINING FIBRATHAL



SQF Brick Work



SS316 Fixture



Endo Blower



SQF Lance Tube



All Kinds of Skid Supply Relining work



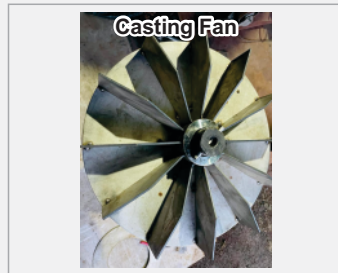
Heater



SQF Charge Machine



Electrode Sensor



Casting Fan



Graphite Rope



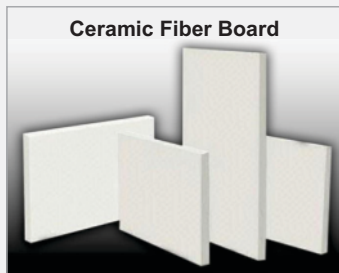
THERMOCOUPLE



Pressure Regulator



Ceramic Fiber Blanket



Ceramic Fiber Board



Ceramic fiber rope



Flow Meter



Ceramic Fiber Module



HFK Insulation Brick
Size (Inches) : 9 X 4.5 X 3 inch

HEAT TREATMENT MULTI-TRADING

Autonics



HEATER THYRISTOR

Accurate and Stable Power Control with Feedback Control Option.



TEMPERATURE CONTROLLER

LCD Display PID Temp. Controllers. High Performance PID Temp. controllers.



AIR OIL COOLERS

To help you select the suitable Air-Cooled Oil Cooler for your application-

- Application / Industry
- Motor HP
- Pump (LPM)
- Pump used is Variable or Fixed Displacement
- Tank Capacity
- Max. Ambient Temperature at Site
- Max. Oil Temperature
- Required Oil Temperature
- Working Pressure (Bar)



Application Areas

- Hydraulic Systems
- Quench Oil Cooling
- Gear Box Cooling
- Stone Crushers
- Cement Plants
- Lubrication Systems
- Transformer Oil Cooling
- Diesel Generator Sets



Features

- Efficient Design
- Cost Effective
- Easy to Mount, Ready to Use
- Environment Friendly
- Saves Power and Water

OXYPROBE

OXYPROBE (SRTS-800)

- Output:- 0 to 1250 mV
- Accuracy: ± 0.05 weight percent carbon in normal operating range
- Thermocouple:- Type K, S, N or without
- Probe Sensor : Zirconia Sensor
- Operating Temperature 600° C to 1150° C (1112° F to 2102° F)
- Available length (mm) 600mm & 800mm



Gardner Denver

ENDO GENERATOR



Side Channel Blowers

Capacity: 10 M3/Hr to 2000 M3/Hr
Pressure: 300 mbarA / 1000 mbarg



XPANEL-HMI

7 Inches HMI & PLC
 Recipe data, Alarm handling, Trend, Data Logging.
 Remote Access (VNC)
 16I/O, with Tr/Relay type output
 HSC/Position 2 channel
 Up to 3 expansion modules



INDUSTRIAL PANEL COMPUTER

Sizes: 10, 12, 15, 19 Inches
 RAM: 4GB/8GB
 Storage: 128/256/512 GB SSD
 Windows 10 IoT
 3 USB Ports, 2 Ethernet Ports
 Anti-Scratch Panel



SP Series PLCs -

16/32 I/O, with Tr/Relay type output
 Up to 11 expansion modules
 HSC/Position 2 channel
 Built-in Serial, Ethernet (Modbus/TCP)
 Expansion - DI/DO, AI/AO, RTC/TC, OPC-UA, CDMA, Ethernet



SCADA

Redundancy,
 Development/ Runtime, OPC Server/Client
 Recipe data, Alarm handling, Trend
 Data Logging, Report and 2D & 3D Chart supported
 Remote Access (Web browser, Mobile application)



PT Series VFD

Applications: Conveyor, Mixer, Washing machine, Fan, Pump, Compressor (Application Macros)



Oxygen Meter

Type:
 Microprocessor Based
 Gas Monitoring:
 O2(0-100%) Response Time (T90)< 25secs.
 for Low to High
 Accuracy < 1%
 Full Scale Range



Kn Control Panel

Gas Monitoring:
 H2 (0-100%)
 Measurement Method for (H2) Thermal Conductivity
 Calculated % DA & kn based on Gas
 Retransmission (4-20mA) for H2 for control.



3IR GAS ANALYZER

Carbon Monoxide (CO) :
 0-100% / 0-50%
 Carbon Dioxide (CO2) :
 0-5%, (0-20% Optional)
 Methane (CH4) : 0-100%
 Oxygen (O2) :
 0-25%(Optional)
 Hydrogen(H2) :
 0-100% (Optional)



GST NUMBER: 27AAVFN3417B1Z



AN ISO 9001 : 2015
CERTIFIED COMPANY

ABOUT US

S.R.THERMAL SOLUTION Company established since 2017.

- We are manufacturing heat treatment furnace, furnace spare part and reconditioning work.
- We are the Specialist in Gas Nitriding heat treatment furnace manufacturing.
- Now we are Starting Sister company **NITRIDE TECHNOLOGY**.
- To start the Gas Nitriding commercial heat treatment plant including Horizontal Type Gas Nitriding Furnace.
- We are interested to develop business relations with esteemed organization.

GAS NITRIDING JOB WORK

Furnace name : Horizontal Gas Nitriding Furnace
 Tray size in mm : W-500 X H-500 X L-1300
 Capacity : 600 kg
 Heating Load : 50 KW
 Motor and control load : 12 KW
 Total Load : 62 KW

Max temperature : 700° C
 Working temperature : 300° C to 700° C
 Number of temperature control zones : 1 (heating thyristor control)
 Programing controller : Make Yokogawa
 KN Controlling System

LIST OF EQUIPMENT

SR.NO.	EQUIPMENT NAME	CAPACITY	MAKE
01	Gas Nitriding Furnace	600 KG tray size - W500 mm x H-500 mm x L-1300 mm	S.R. THERMAL SOLUTION
02	Steam Unit	10 KW	S.R. THERMAL SOLUTION
03	Rockwell Hardness Tester	HRA, HRC, HRB	SAROJ
04	Micro Vickers Hardness Tester	100G, 200G, 500G, 1000G	Daksh
05	Metallurgical Microscope	50X, 100X, 200X, 500X, 1000X	Daksh
06	Abrasive Cutting Machine	Capacity : 80 mm	Daksh
07	Digital Molding Machine	Capacity : 30 mm / 50 mm	Daksh
08	Double Disc Polishing Machine	8" Disc	Daksh
09	DG Set	Capacity : 160 kv	Mahindra
10	Manual Loading Stacker	Capacity : 1500 kg	VEL



HEAT TREATMENT SERVICES

We provide All heat treatment related solutions under one roof

- Heat treatment plant annual maintenance contract of all types of furnace.
- Mechanical & electrical Breakdown visits & troubleshooting
- Furnace brick lining work
- New heat treatment plant erection, commissioning & plant shifting work
- Heat treatment furnace consultancy



CSR

Shivshambho Social Foundation is an environmental NGO established by Villagers of Moshi in May 2017. We believe in Action by doing as much as we can to preserve our environment. The focus of these programs is to improve the earning potential of our aspirants through skill building and empowerment socio-economic initiatives focussing on three key areas of development.



Women Empowerment And Livelihood



Health



Education



S.R. THERMAL SOLUTION
Empowers | Thermal | Technology

Office Address: Flat No. A-301, A-wing, Ela Apt., Gate No. 50/1, Near Moshi Toll Plaza, PCMC, Pune - 412105

Unit 1: Gat No-1544, Sonawane Wasti Road, Near Vikas Anath Ashram, Chikhali, Pune - 411062

Unit 2: Gat No. 1336, Sonawane Wasti Road, Behind Vikas Anath Ashram, Chikhali, Pune - 411062.

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