

Leading Manufacturer of Gas Nitriding Heat Treatment Furnaces & furnace spare parts.

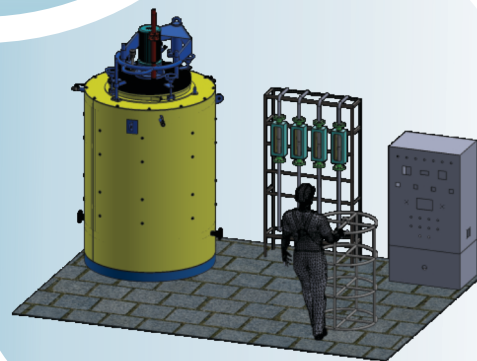
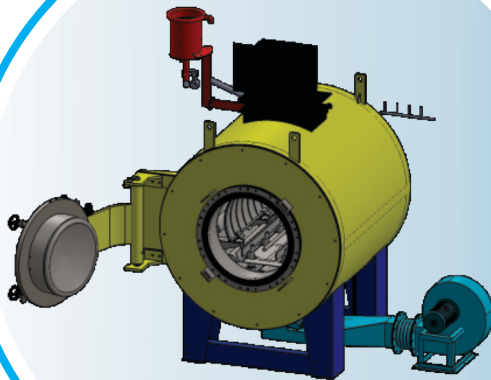
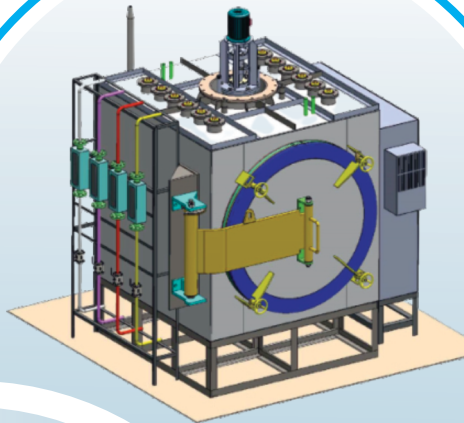
MISSION

To lead the heat treatment industry with innovative, high-quality, and efficient furnace solutions.

Committed to
Quality and
Innovation.

VISION

To be the global leader in heat treatment solutions, known for cutting-edge technology, sustainability, and exceptional customer service.



S.R. THERMAL SOLUTION

FURNACE
MANUFACTURING

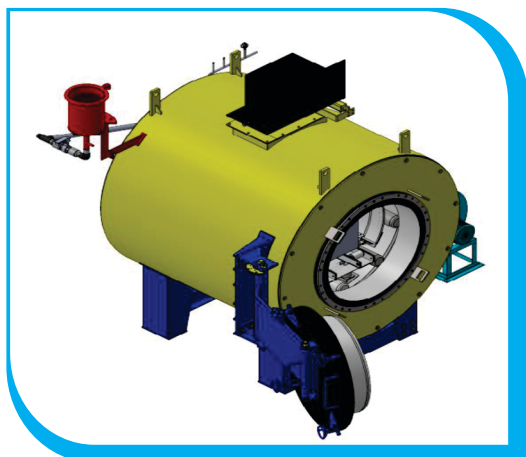
HEAT TREATMENT
MULTI-TRADING

**Heat
Treatment
Under
One Roof
Solution**

GAS NITRIDING
JOB WORK

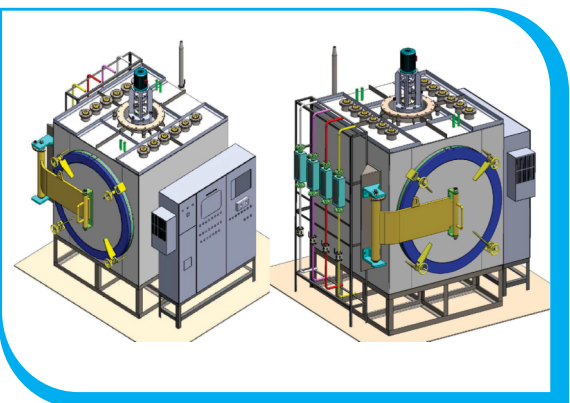
HEAT TREATMENT
SERVICES

HORIZONTAL TYPE WITH RETORT GAS NITRIDING FURNACE



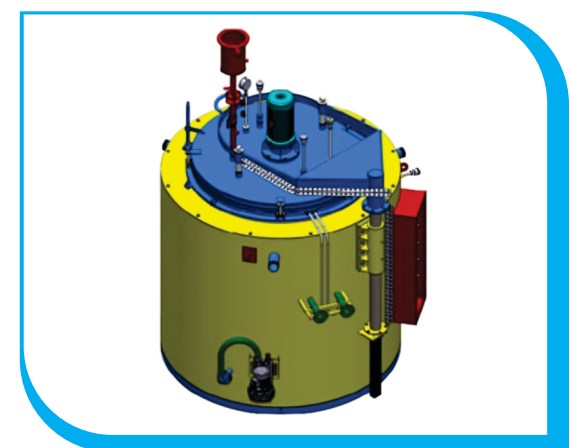
Standard Size	Model	Width	Height	Length	Capacity	Power
Working Zone Dimension	SRTS-50/45/100	500MM	450MM	1000MM	400KG	54 KW
	SRTS-50/45/130	500MM	450MM	1300MM	600KG	60 KW
	SRTS-60/65/120	600MM	650MM	1200MM	800KG	80 KW
	SRTS-76/85/130	760MM	850MM	1300MM	1000KG	90 KW
	SRTS-90/85/150	900MM	850MM	1500MM	1500KG	144 KW

HORIZONTAL TYPE WITHOUT RETORT GAS NITRIDING FURNACE



Standard Size	Model	Width	Height	Length	Capacity	Power
Working Zone Temperature	SRTS-60/65/120	600MM	650MM	1200MM	800KG	80 KW
	SRTS-90/85/130	900MM	850MM	1300MM	1200KG	90 KW
	SRTS-90/85/150	900MM	850MM	1500MM	1500KG	144 KW

PIT TYPE GAS NITRIDING FURNACE



Standard Size	Model	Diameter	Height	Capacity	Power
Working Zone Dimension	SRTS-40/60	400 mm	600 mm	200 KG	18 Kw
	SRTS-60/120	600 mm	1200 mm	600 KG	36 Kw
	SRTS-70/120	700 mm	1200 mm	900 KG	39 Kw
	SRTS-80/120	800 mm	1200 mm	1000 KG	54 Kw
	SRTS-100/120	1000 mm	1200 mm	1500 KG	75 Kw
	SRTS-135/100	1350 mm	1000 mm	1800 KG	60 Kw
	SRTS-135/120	1350 mm	1200 mm	2000 KG	90 Kw
	SRTS-150/500	1500 mm	5000 mm	5000 KG	250 Kw

PROCESS

- Gas Nitriding
- Nitro-Carburizing
- Nitriding+Oxidation
- Preheating
- Tempering
- Stress Relieving

APPLICATIONS

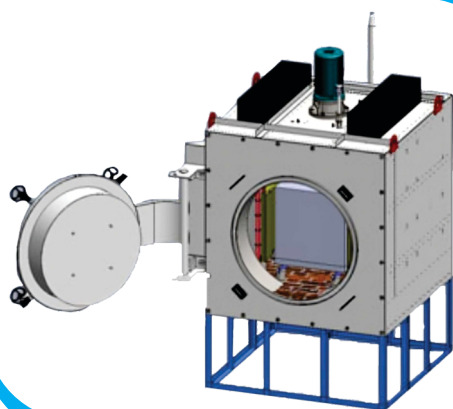
- Crankshaft
- Aluminum Extrusion Die
- Fuel Injectors
- Piston Rings
- Gears & Shafts

PIT TYPE CARBURIZING FURNACE



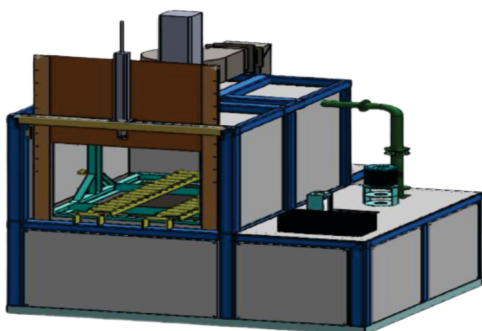
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	SRTS-70/120	700 mm	1200 mm	900 KG	39 Kw
	SRTS-80/120	800 mm	1200 mm	1000 KG	54 Kw
	SRTS-100/120	1000 mm	1200 mm	1500 KG	75 Kw
	SRTS-135/100	1350 mm	1000 mm	1800 KG	60 Kw
	SRTS-135/120	1350 mm	1200 mm	2000 KG	90 Kw
	SRTS-150/500	1500 mm	5000 mm	5000 KG	250 Kw

BOX TYPE FURNACE



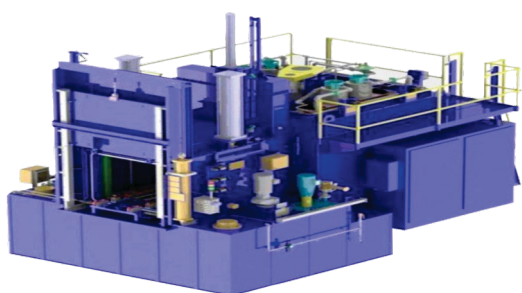
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	SRTS-60/65/120	600MM	650MM	1200MM	800KG	80 KW
	SRTS-76/85/130	760MM	850MM	1300MM	1000KG	90 KW
	SRTS-90/85/150	900MM	850MM	1500MM	1500KG	144 KW

SQF LINE WASHING MACHINE

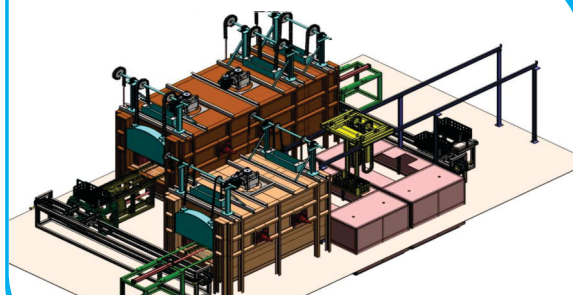


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	SRTS-76/85/130	760MM	850MM	1300MM	1000KG	90 KW
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SEALED QUENCH FURNACE



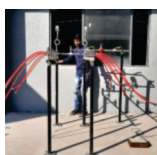
NORMALIZING HARDENING FURNACE



MOTORIZED ROLLER TABLE



HEAT TREATMENT UTILITY



Ammonia Manifold-Automatic Change Over System

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



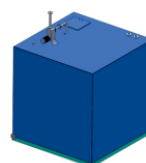
Nitrogen Manifold Automatic Change Over System

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



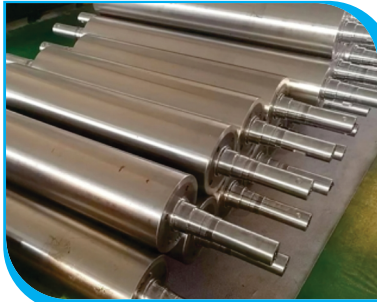
Safety Quenching Tank-Level Indicator and Oil Pump

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

FURNACE MANUFACTURING SPARE PART



LANCE TUBE



FURNACE ROLLER



GAS PANEL



BURNER



OXYGEN PROBE



FIXTURE



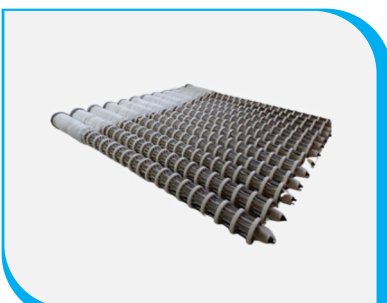
EXTENDED SHAFT FANS



OIL BATH HEATER



RADIANT TUBES



HEATER



BURNER INNER TUBE



ENDO RETORT



CASTING FAN



CERAMIC TUBE



SS310 FIXTURE

HEAT TREATMENT MULTI TRADING SPARE PART



RTK MOTORIZED VALVES



THERMOCOUPLES



H2 ANALYSER EURO MGA-1080



PRESSURE GAUGE



TEMPERATURE CONTROLLER



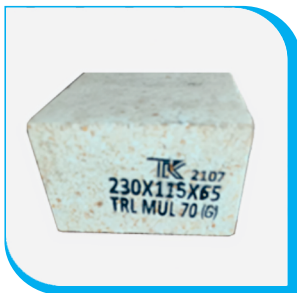
OXYGEN METERS



KN CONTROL PANEL



3IR GAS ANALYZERS



SKID FOR RELINING WORK



SOLENOID VALVE



IGNITION TRANSFORMER



FLAME FAILURE MONITOR



STEP INDICATOR



HEAT EXCHANGER



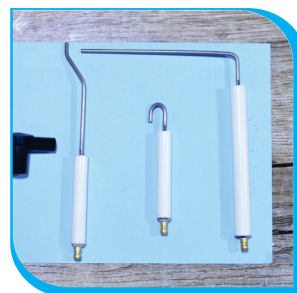
THYRISTORS



AIR OIL COOLER



AMMONIA DISSOCIATION UNIT



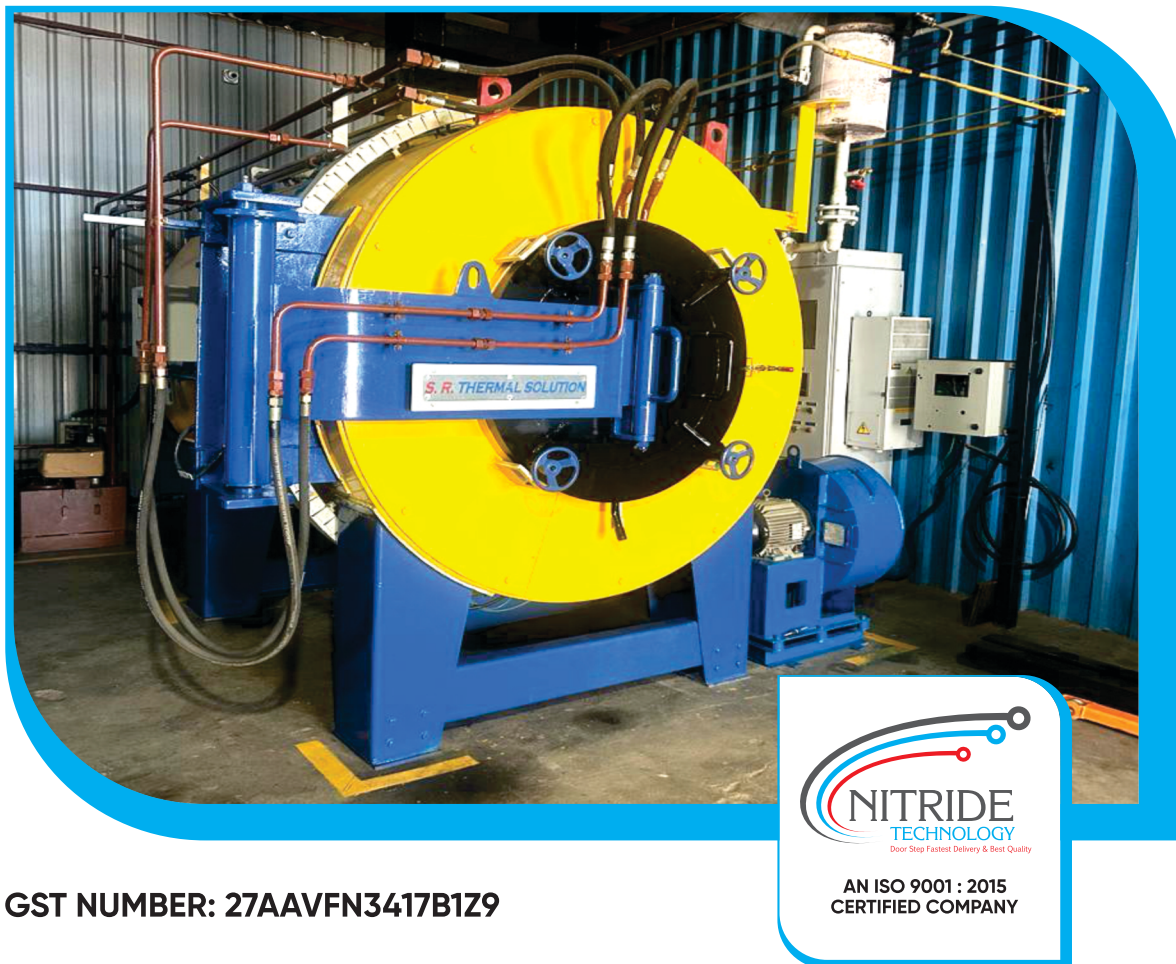
ELECTRODE SENSOR



FLOWMETER



OIL SKIMMER PUMP



GST NUMBER: 27AAVFN3417B1Z9

S R THERMAL SOLUTION started Sister Concern Company **NITRIDE TECHNOLOGY** in 2022. To start the Gas Nitriding commercial heat treatment plant including Horizontal Type Gas Nitriding Furnace.

Gas Nitriding Job Work

Furnace name : Horizontal Gas Nitriding Furnace
 Tray size in mm : W-500 X H-500 X L-1500
 Capacity : 800 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	800 KG tray size - W-500 mm x H-500 mm x L-1500 mm	S.R. THERMAL SOLUTION
02	Gas Nitriding Furnace	1200 kg tray size - W 900 X H 850 X L 1300	S.R. THERMAL SOLUTION
03	Steam Unit	10 KW	S.R. THERMAL SOLUTION
04	Rockwell Hardness Tester	HRA, HRC, HRB	SAROJ
05	Micro Vickers Hardness Tester	100G, 200G, 500G, 1000G	Daksh
06	Metallurgical Microscope	50X, 100X, 200X, 500X, 1000X	Daksh
07	Abrasive Cutting Machine	Capacity : 80 mm	Daksh
08	Digital Molding Machine	Capacity : 30 mm / 50 mm	Daksh
09	Double Disc Polishing Machine	8" Disc	Daksh
10	DG Set	Capacity : 160 kv	Mahindra
11	Manual Loading Stacker	Capacity : 1500 kg	VEL

OUR VALUABLE CLIENTS

 BHAVANI	 Mahindra CIE Automotive	 SIGMA HTS LLP	 INDO SCHÖTTLE	 motherson	 KINETIC
 Varroc EXCELLENCE	 Shriram Pistons & Rings Ltd	 ZF INDIA	 DANA SPICER	 MRE BEARINGS	 synova
 TUNIQUE TREATMENTS	 EXEDY EXEDY Corporation	 SANJEEV 100 Years of Excellence	 RKE Ramkrishna Forgings Limited	 ELECON CEARING THE FUTURE	 GARWARE HI-TECH FILMS
 HAL	 AVTEC	 Mahindra & Mahindra		 wipro	 PARI
				 starwire	



Shivshambho Welfare Foundation, established in 2022, is dedicated to improving the livelihood, health, and education of women, as well as supporting the health and education of underprivileged individuals in both urban and rural areas. Our mission is to empower communities by providing essential resources and opportunities for growth and development.



Women Empowerment
And Livelihood



Health



Education



S.R. THERMAL SOLUTION
Empowers | Thermal | Technology

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