PRECONS

A Leading & Specialist Furnace Manufacturing Company
Serving The World Since 1973

www.precons.in

ABOUT US

We "Precision Controls" (under the brand name "PRECONS") provides end to end customized solutions including design, manufacture, erection and commissioning of industrial furnaces ,ovens, kilns and various special equipment.

Company Profile

- Established in Chennai as a partnership concern in 1973
- It has manufacturing facility in Ambattur Industrial Estate, Chennai (Tamilnadu).
- Currently it is owned and managed by Mrs. Vidhya Shankar and Mr. Shankar Srinivasan ,who is a seasoned professional having about 45 years of experience in furnace industry.

Business Overview

- India's No.1 manufacturer of bell furnaces.
- It has successfully commissioned over 4500 industrial heat treatment furnaces and ovens
- It has received numerous awards for design and installations from PSU's and MNC's
- Total Employees: around 55 (Direct Employees)

Vision

- Users of PRECONS furnaces /special equipment are globally spread.
- PRECONS customers are enjoying trouble free, cost effective, quality oriented output.
- PRECONS brand name for industrial furnaces is internationally reckoned with.

Mission

- Sustained efforts to supply quality furnaces to the full satisfaction of customers .
- Repeated technological up-gradations are done on a routine basis.
- Customer interaction & feedback are taken as valid inputs for technological up-gradation in our furnaces.

Philosophy

- User friendly, cost effective with latest technical up-gradation at affordable cost to produce quality output from our furnaces to the fullest satisfaction of our customers.

MD'S MESSAGE TO CUSTOMERS

Keeping the current market demand in emerging industries like steel plants, auto component manufacturers, Precons has introduced innovative, cost effective and user friendly furnaces as mention below

1) Gas fired/electric bell furnaces of various capacities for wire-rod, steel strip annealing.

2) Continuous hardening, quenching & tempering furnace lines of various capacity for heat treatment of cold forged components.

3) Large capacity (from 10 MT to 100 MT) gas fired heat treatment furnaces, maintaining very close control temperature accuracy throughout the heat treatment cycles for application of annealing, normalizing, stress relieving, hardening, etc of carbon steel, alloy steel and forged /cast components applicable to steel industries.

Precons would like to continue their flagship technology for aerospace & nuclear industries as a matter of prestige & continue to serve prestigious customers in the field of aerospace & nuclear industries

Equipment:

1) Various capacities of drop bottom furnaces with high speed quenching for aerospace industries/Aluminium industries.
2) Ageing ovens & composite curing ovens for aerospace industries.
3) Rotary kiln/furnaces for processing Uranium powder applicable to nuclear industries

Precons assure all our beloved customers excellent quality products, continued service backup for all time at very affordable prices

SOME PRESTEGIOUS MOMENTS OF PRECONS

Year	Prestigious Moments	
1980		A direct technical interaction with Dr A.P.J.Abdul Kalam ,our former president of India when he was a director of Satellite Launch Vehicle for supply of Electromagnetic interference (EMI)Chamber at VSSC, Trivandram
1983		Precons was responsible to initiate a public notice for reduction of custom duty from 320% to 40% adveleram for ceramic fiber blocks(PYRO BLOCK) widely used in furnaces in place of refractory thus saving huge energy either electrical ,gas or oil from Mr Pranab Mukherjee ,then finance minister and former President of India .
1993		Triple vacuum chamber successfully commissioned at Liquid Propulsion Systems Centre (LPSC), Mahendragiri, Tirunelveli district and inaugurated by Dr. Krishnaswamy Kasturirangan, Chairman of ISRO.
1995		A Number of rotary furnaces for certain treatments to uranium oxide material to be further processed as Nuclear fuel, commissioned at Nuclear Fuel Complex (NFC), Hyderabad. Special furnaces for handling Nuclear waste and glove box type furnaces to radio metallurgy dept. BARC were supplied and had direct appreciative interaction with Dr Anil Kakodkar, former chairman of A.E.C (Atomic Energy Commission) at BARC, Mumbai.
1998		Asia's largest vacuum chamber for the purpose of Electron Bream Welding facility was successfully commissioned and inaugurated by Dr. Madhavan Nair, Chairman of ISRO at Hindustan Aeronautics Limited (HAL) Aerospace, and Bangalore.

SOME PRESTEGIOUS MOMENTS OF PRECONS

Year	Prestigious Moments	
1998	Since many strategic equipment were successfully supplied by PRECONS to Aerospace and Dept.of atomic energy of India, US government put "Precision Controls" under "Embargo" list along with 200 companies in India including L&T, Godrej and many Govt. establishments. Subsequently after intervention from Indian government, the embargo was lifted in 2002. This shows the extent of name & reputation gained by "PRECONS" by supplying prestigious strategic equipments to Dept of Space & Dept of Atomic energy.	
2007		Dr Madhavan Nair then Chairman of Dept. of Space gave away mementos to Mr Shankar, MD of PRECONS as a best furnace manufacturer in 2007 at a function organized by Bay Forge Ltd. at Chennai.
2007		1st large 8T Gas Fired Continuous Discharge Furnace was inaugurated in 2007 at BHEL,Trichy by Jairam Ramesh,Union minister for Heavy Engineering Industries & Public Enterprises.
2015		Toyota Tsusho Corporation, Japan a Toyota group company, Japan along with another associate company in Japan fully bought over Mirra and Mirra Industries Pvt.Ltd, founded by Mr Shankar in 1994.

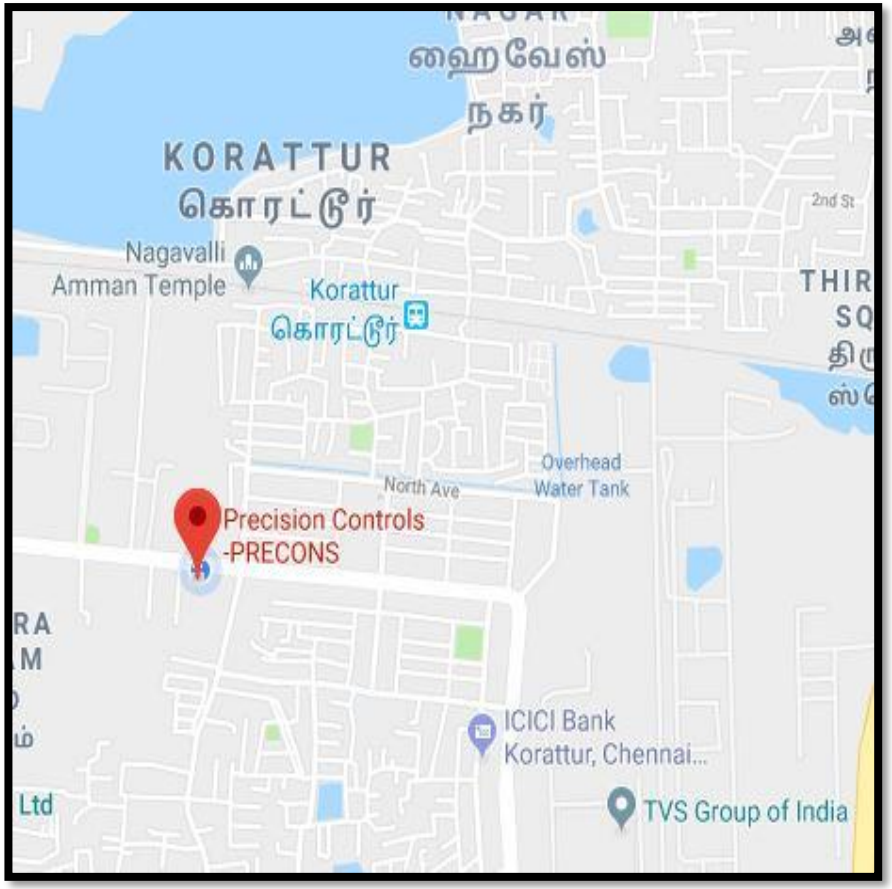
LOCATION

Precision Controls

- 424, SIDCO Indl. Estate, Ambattur, Chennai-600098, Tamil Nadu, India
- Work space :
  - 20,000 Sq. ft (approx)

Office Space:

5000 Sq. ft (approx)



OUR PRODUCTS AT A GLANCE

Industrial Furnaces

- Bell Type Annealing Furnaces for Wire Rod Coils
- Bell Type Annealing Furnaces for Strip
- Bell Type Annealing Furnaces for Transformer Core
- Bar Annealing Furnaces Rectangular Bell Type
- Continuous Hardening & Tempering Furnaces Line
- Bogie Hearth Furnaces
- Box Type Furnaces
- Drop Bottom Quench Furnaces
- PIT Type Furnaces
- Roller Hearth Furnaces
- Rotary Tube Furnaces/Kilns
- Batch Furnaces
- Atmosphere Controlled Furnaces
- Continuous Furnaces(others)
- Furnaces for Aluminium
- Modular Furnace
- Reheating Furnaces

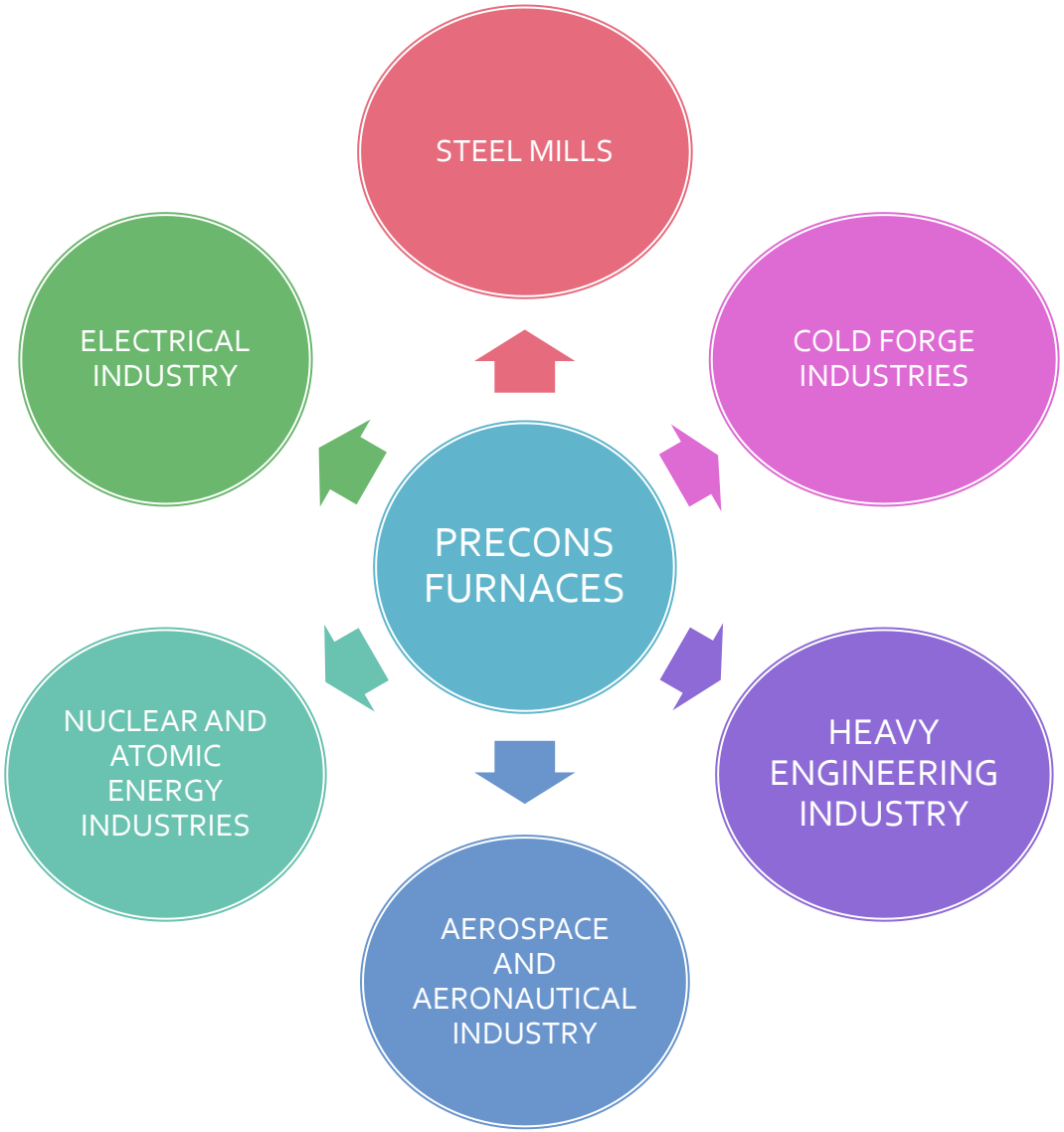
Industrial Ovens

- Ageing Ovens
- Bogie Hearth Ageing Oven for Al. extruded components, Aerospace applications, AAAC conductors, etc.
- Mesh Belt Conveyor Ovens
- Bogie Hearth Oven for composite curing
- Composite Curing Ovens
- Continuous Mesh Belt Conveyor Type Dacro Coating Oven
- Continuous Mesh Belt Conveyor Type Hydrogen De-embrittlement Oven

Special Equipment

- Encapsulation Machine
- Debindering Kilns
- Autoclave
- Vacuum Chamber
- Vertical Cylindrical Furnaces
- Salt Bath Furnaces
- Billet Heating Furnaces

OUR PRODUCTS – INDUSTRY WISE SPREAD



PRECONS EQUIPMENTS FOR STEEL MILLS

STEEL MILLS

BELL TYPE ANNEALING FURNACES

STANDARD MODELS OF PRECONS BELL FURNACES

SL.No.	Model No.	Capacity	Mode of heating
1.	16/32 E	6 T	Electric
2.	16/32 G	6 T	Gas fired
3.	18/32 E	7 T	Electric
4.	18/32 G	7 T	Gas fired
5.	23/22 E	10 T	Electric
6.	23/22 G	10 T	Gas fired
7.	23/27 E	13 T	Electric
8.	23/27 G	13 T	Gas fired
9	33/32 E	15 T	Electric
10.	33/32 G	15 T	Gas fired

STANDARD MODELS OF PRECONS BELL FURNACES

SL.No.	Model No.	Capacity	Mode of heating
11.	35/32E	18 T	Electric
12.	35/32G	18 T	Gas fired
13	40/35 E	30 T	Electric
14.	40/35 G	30 T	Gas fired

SOME OF REPEAT CUSTOMERS OF BELL FURNACES

SLNO.	CUSTOMER	CAPACITY	INITIAL PROCUREMENT YEAR	INITIAL PROCUREMENT QUANTITY	PRESENT QUANTITY (as on Nov, 2018)
WIRE ROD BELL ANNEALING FURNACE					
1	SUNDARAM FASTENERS LTD	6T	1991	1 Bell + 2 Bases	2 BELLS + 4 BASES
2	USHA MARTIN LIMITED	9T	1999	1 Bell + 2 Bases	13 BELLS + 18 BASES
3	JAYASWAL NECO INDUSTRIES LTD	30T	2016	1 Bell + 2 Bases	3 BELLS + 4 BASES
4	SUNFLAG IRON & STEEL LTD	30T	2009	1 Bell + 2 Bases	4 BELLS + 6 BASES
5	STERLING TOOLS LTD	6T	2007	1 Bell + 2 Bases	4 BELLS + 6 BASES
		7T			4 BELLS + 6 BASES
		15T			1 BELL + 2 BASES
6	MIRRA AND MIRRA INDUSTRIES PVT LTD	6T	1995	1 Bell + 2 Bases	8 BELLS + 10 BASES
		30T			2 BELLS + 3 BASES
7	KALYANI CARPENTER SPECIAL STEELS	6T	2001	1 Bell + 2 Bases	2 BELLS + 3 BASES
8	SUPER AUTO FORGE LTD	10T	2010	1 Bell + 2 Bases	3 BELLS + 4 BASES
9	L G BALAKRISHNAN & BROS LTD	6T	2012	1 Bell + 3 Bases	3 BELLS + 5 BASES (1 BELL + 2 BASES Under Manufacturing)
10	PUNCH RATNA STEELS PVT LTD	6T	2004	1 Bell + 2 Bases	10 BELLS + 15 BASES

SOME OF REPEAT CUSTOMERS OF BELL FURNACES

SLNO.	NAME OF THE CUSTOMER	CAPACITY	INITIAL PROCUREMENT YEAR	INITIAL PROCUREMENT QUANTITY	PRESENT QUANTITY (as on Nov, 2018)
11	BANSAL WIRE INDUSTRIES	10T	2012	1 Bell + 2 Bases	1 BELL + 2 BASES
		15T			1 BELL + 2 BASES
12	NHB BEARINGS LTD	6T	1996	1 Bell + 2 Bases	3 BELLS + 4 BASES
13	INDIA GOVERNMENT MINT	4T	1995	2 Bells + 3 Bases	6 BELLS + 12 BASES
14	JONEJA IRON AND STEEL	6T	2001	1 Bell + 2 Bases	4 BELLS + 7 BASES
15	HANUMAT WIRES UDYOG PVT LTD	6T	2005	3 Bells + 5 Bases	7 BELLS + 8 BASES
		18T			1 Bell+ 2 Bases (Under Manufacturing)
16	SHRI CHARI WIRES	6T	2005	1 Bell + 2 Bases	3 BELLS + 6 BASES
		7T			3 BELLS + 6 BASES
		18T			2 Bells+ 3 Bases
17	SUPER SCREWS	6T	2006	1 Bell + 2 Bases	7 BELLS + 11 BASES
18	SAMRAT WIRES AND STEELS	6T	2004	1 Bell + 2 Bases	5 BELLS + 7 BASES
19	LIGHT METAL INDUSTRIES - MALAYSIA	6T	2006	2 Bells + 3 Bases	2 BELLS + 3 BASES
20	CG POWER SYSTEMS - USA	4T	2005	2 Bells + 3 Bases	2 BELLS + 3 BASES

SOME OF REPEAT CUSTOMERS OF BELL FURNACES

SLNO.	NAME OF THE CUSTOMER	CAPACITY	INITIAL PROCUREMENT YEAR	INTIAL PROCUREMENT QUANTITY	PRESENT QUANTITY (as on Nov, 2018)
21	TARINI STEELS CO LTD	6T	2014	2 Bells + 3 Bases	5 BELLS + 6 BASES
		7T			1 BELL + 2 BASES
22	ROHIT STEELS, HARYANA	30T	2012	1 Bell + 2 Bases	2 BELLS + 3 BASES
23	ROHIT STEELS, HARYANA	6T	2009	2 Bells +3 Bases	2 BELLS + 3 BASES
24	FINE THREAD FORM INDUSTRIES, RAIGAD	6T	2009	2 Bells + 3 Bases	4 BELLS + 6 BASES
25	SUPER SAKTI METALIKS PVT LTD, DURGAPUR (GAS FIRED)	10T	2014	2 Bells + 4 Bases	4 BELLS + 8 BASES
26	PASSION STEELS, ROHTAK	6T	2013	2 Bells + 3 Bases	5 Bells + 8 Bases
27	JAGDAMBA STEELS, NEPAL	10T	2016	1 Bell + 2 Bases	2 Bells + 3 Bases
28	SHINGANIA INTERNATIONAL	6T	2015	1 Bell + 2 Bases	3 Bells + 4 Bases
29	B.D. CYCLES LTD.	6T	2014	1 Bell + 1 Base	2 Bells + 3 Bases
30	PRECISION DRAWELL PVT. LTD. NAGPUR	6T	2013	1 Bell + 2 Bases	2 Bells + 3 Bases
		10T	2018	1 Bell + 2 Bases	1 Bell + 2 Bases
31	SHILPA STEELS	7T	2017	1 Bell + 2 Bases	2 Bells + 3 Bases
32	MICA INDUSTRIES	6T	2012	2 Bells + 3 Bases	4 Bells + 6 Bases

SOME OF OUR PRESTEGIOUS INSTALLATIONS OF BELL TYPE ANNEALING FURNACE FOR STEEL MILLS

EQUIPMENT : 30T BELL TYPE ANNEALING FURNACE

Customer: Mirra and Mirra Industries Pvt. Ltd., Chennai.
Capacity: 30T
Qty: 2 Bells + 3 Bases
Max working temp: 800°C
Year of Installation: 2007, 2016

EQUIPMENT : 30T BELL TYPE ANNEALING FURNACE

Customer: Jayaswal Neco Industries Ltd., Raipur
Capacity: 30T
Qty: 3 Bells + 4 Bases
Max working temp: 800°C
Year of Installation: 2016

EQUIPMENT : 30T BELL TYPE ANNEALING FURNACE

Customer: Rohit Steels, Haryana
Capacity: 30T
Qty.: 2 Bells +3 Bases
Max working temp: 800°C
Year of Installation: 2012, 2017

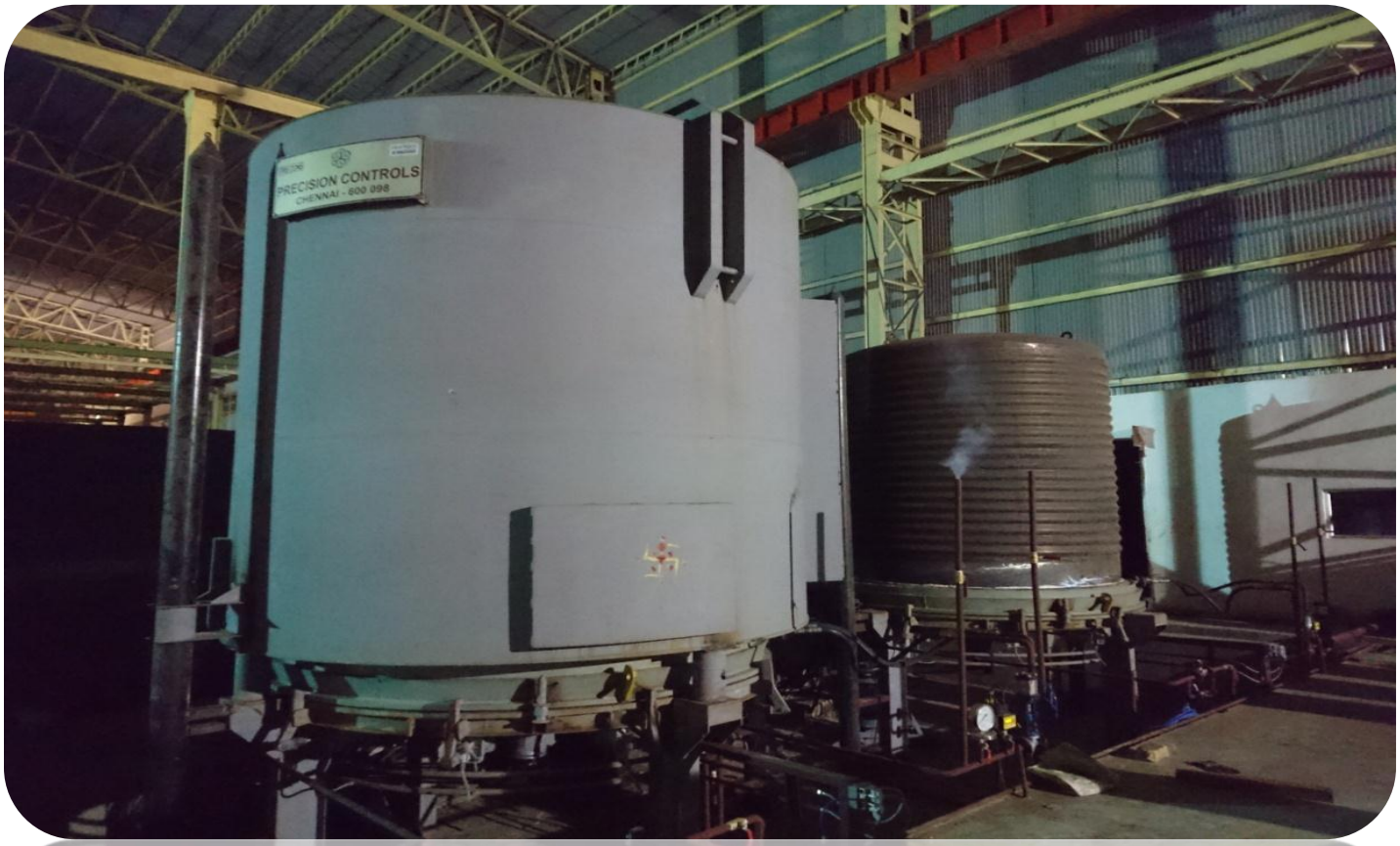
EQUIPMENT : 30T GAS FIRED BELL TYPE ANNEALING FURNACE

Customer: Sunflag Iron & Steel, Bhandara.
Capacity: 30T
Qty.: 4 Bells +6 Bases
Max working temp: 800°C
Year of Installation: 2012, 2018

EQUIPMENT : 15T BELL TYPE ANNEALING FURNACE

Customer: Sterling Tools Ltd., Faridabad
Capacity: 15T
Qty.: 1 Bell + 2 Bases
Max working temp: 800°C
Year of Installation: 2017

EQUIPMENT : 10T BELL TYPE ANNEALING FURNACE



Customer: Jagdamba Steels Pvt. Ltd., Nepal
Capacity: 10T
Qty: 2 Bells + 3 Bases
Max. Working Temp: 800°C
Year of installation: 2016

EQUIPMENT : 10T CBM GAS FIRED BELL TYPE ANNEALING FURNACE

Customer: Super Sakti Metaliks Pvt. Ltd., Durgapur
Qty: 4 Bells + 8 Bases
Capacity: 10T
Max working temp: 800°C
Application: Wire annealing
Year of Installation: 2015 & 2017

EQUIPMENT : 7T BELL TYPE ANNEALING FURNACE

Customer: Mirra & Mirra Industries Pvt. Ltd., Chennai
Capacity: 7T
Qty: 8 Bells + 10 Bases
Max working temp: 800°C
Application: wire rod coils annealing
Year of installation: 1995-2013

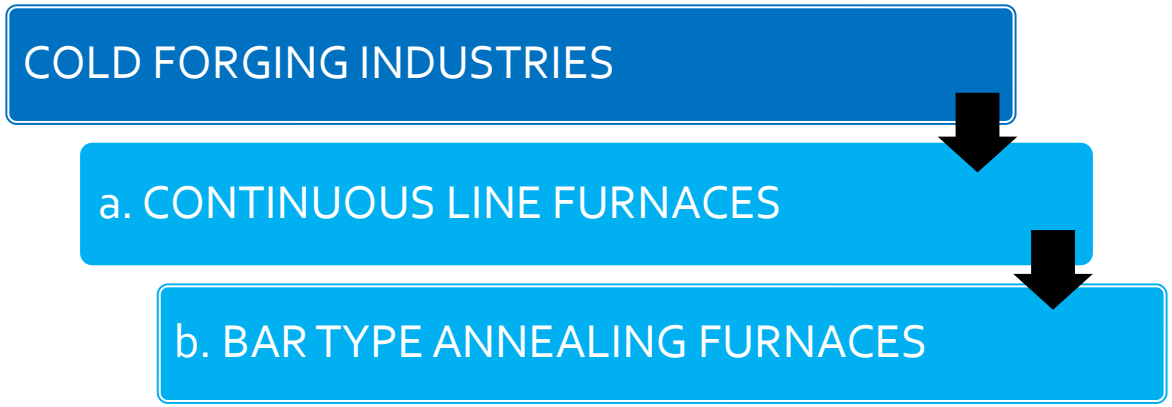
EQUIPMENT : 6T PROPANE GAS FIRED BELL TYPE ANNEALING FURNACE

Customer: Shilpa steels power ltd., Nagpur
Capacity: 6T
Qty: 2 Bells + 3 Bases
Max working temp: 800°C
Application: wire rod coils annealing for cold forge application
Year of installation: 2017

UNIQUE FEATURES OF PRECONS BELL ANNEALING FURNACE

1. Better and simple control system and user friendly.
2. Consistency in achieving above 90% spherodization and no additional decarb in all the spherodization annealing cycles.
3. Operates with cracked Methanol & ultra pure Nitrogen atmosphere.
4. Methanol purging time is less than four hours out of total cycle time.
5. Consumption of methanol is less than 1 liter / Ton and the present cost of Methanol is about Rs.50/litre.
6. No continuous purging of Nitrogen & Nitrogen consumption is less about 7 m^3/tonne.
7. Cost of utilities as above is very less.
8. Running cost and maintenance cost is very less.
9. Project cost of installation of our bell furnaces is very competetive.

PRECONS EQUIPMENTS FOR COLD FORGING INDUSTRIES



STANDARD MODELS OF PRECONS CONTINUOUS FURNACES

Sl.No.	Model No.	Capacity (Kg/Hr)
1.	PCHT-2.5	225 TO 250 KG/HOUR
2.	PCHT-4.5	450 TO 500 KG/HOUR
3.	PCHT-10	1000 KG /HOUR
4.	PCHT-12	1200 KG / HOUR

SOME OF REPEAT CUSTOMERS FOR CONTINUOUS HARDENING AND TEMPERING FURNACE

SLNO.	NAME OF THE CUSTOMER	INITIAL PROCUREMENT YEAR	INTIAL PROCUREMENT QUANTITY	PRESENT QUANTITY (As on Nov, 2018)
CONTINUOUS HARDENING AND TEMPERING FURNACE				
1	AURANGABAD ELECTRICAL PVT LTD	2005	1 No.	450-500 Kg/Hr = 3 Nos.
				1200 Kg/Hr = 1NO
2	MICRO TURNERS	2004	1 No.	450-500 Kg/Hr - 1NO
			1 No.	1200 Kg/Hr - 3NOS
3	PUNCHRATNA FASTENERS PVT LTD	2004	1 No.	450-500 Kg/Hr - 1NO
4	DEEPAK FASTENERS LTD	2007	1 No.	450-500 Kg/Hr = 2 Nos.
			1 No.	1200 Kg/Hr = 1NO
5	SANKAJ ENGINEERS PVT. LTD.	2011	1 No.	450-500 Kg/Hr – 2 Nos
6	SUNDARAM FASTENERS LTD	2018	1 No.	1200 Kg/Hr – 1 No.

SOME OF OUR PRESTEGIOUS INSTALLATIONS OF CONTINUOUS LINE FURNACES FOR COLD FORGING INDUSTRY

EQUIPMENT : CONTINUOUS HARDENING AND TEMPERING LINE FURNACE

Customer: Aurangabad Electricals Ltd., Aurangabad
Capacity: 1200Kg/Hr
Power rating: 450KW Hardening & 300KW Tempering
Max. Working Temp: 900°C Hardening & 650°C Tempering
Year of Installation: 2008

EQUIPMENT : CONTINUOUS ROLLER HEARTH TEMPERING FURNACE FOR SPROCKETS

Customer: L.G.Balakrishnan & Bros, Jalna
Qty: 1 No.
Capacity: 600Kg/Hr
Max working temp: 600°C
Year of Installation: 2016

SOME OF OUR PRESTEGIOUS INSTALLATIONS OF BAR TYPE FURNACES FOR COLD FORGING INDUSTRY

SOME OF REPEAT CUSTOMERS FOR BAR BELL ANNEALING FURNACE

SLNO.	CUSTOMER	INITIAL PROCUREMENT YEAR	INITIAL PROCUREMENT QUANTITY	PRESENT QUANTITY (as on Nov, 2018)
BAR BELL ANNEALING FURNACE				
1	MIRRA AND MIRRA INDUSTRIES P LTD	2007	1 Bell + 2 Bases	2 Bells + 3 Bases
2	VARDHAMAN SPECIAL STEELS LTD	2011	1 Bell + 2 Bases	6 BELL + 9 BASES
3	JAYASWAL NECO INDUSTRIES LTD	2010	1 Bell + 2 Bases	4 BELLS + 6 BASES
4	SUNFLAG IRON & STEEL LTD	2001	1 Bell + 2 Bases	1 BELL + 2 BASES
5	KAKKAR COMPLEX	2012	1 Bell + 2 Bases	3 BELL+4 BASES
6	ROHIT STEELS	2012	1 Bell + 2 Bases	1 Bell + 2 Bases

EQUIPMENT : BAR ANNEALING FURNACE FOR ANNEALING OF ALLOY STEEL BARS

Customer: Mirra & Mirra Industries Pvt. Ltd., Chennai
Capacity: 25T
Qty: 2 Bells + 3 Bases
Size: 6200mm L x 1500mm W x 1300mm H
Power rating: 500KW
Year of Installation: 2007

EQUIPMENT : LPG FIRED HARDENING AND TEMPERING FURNACE FOR ALLOY STEEL BARS

Customer: Chung Yih Steels Ltd., Malaysia
Qty: 2 Nos.
Capacity: 3T/batch
Max Working Temp: 1000°C
Year of Installation: 2011

PRECONS EQUIPMENTS FOR HEAVY ENGINEERING INDUSTRIES

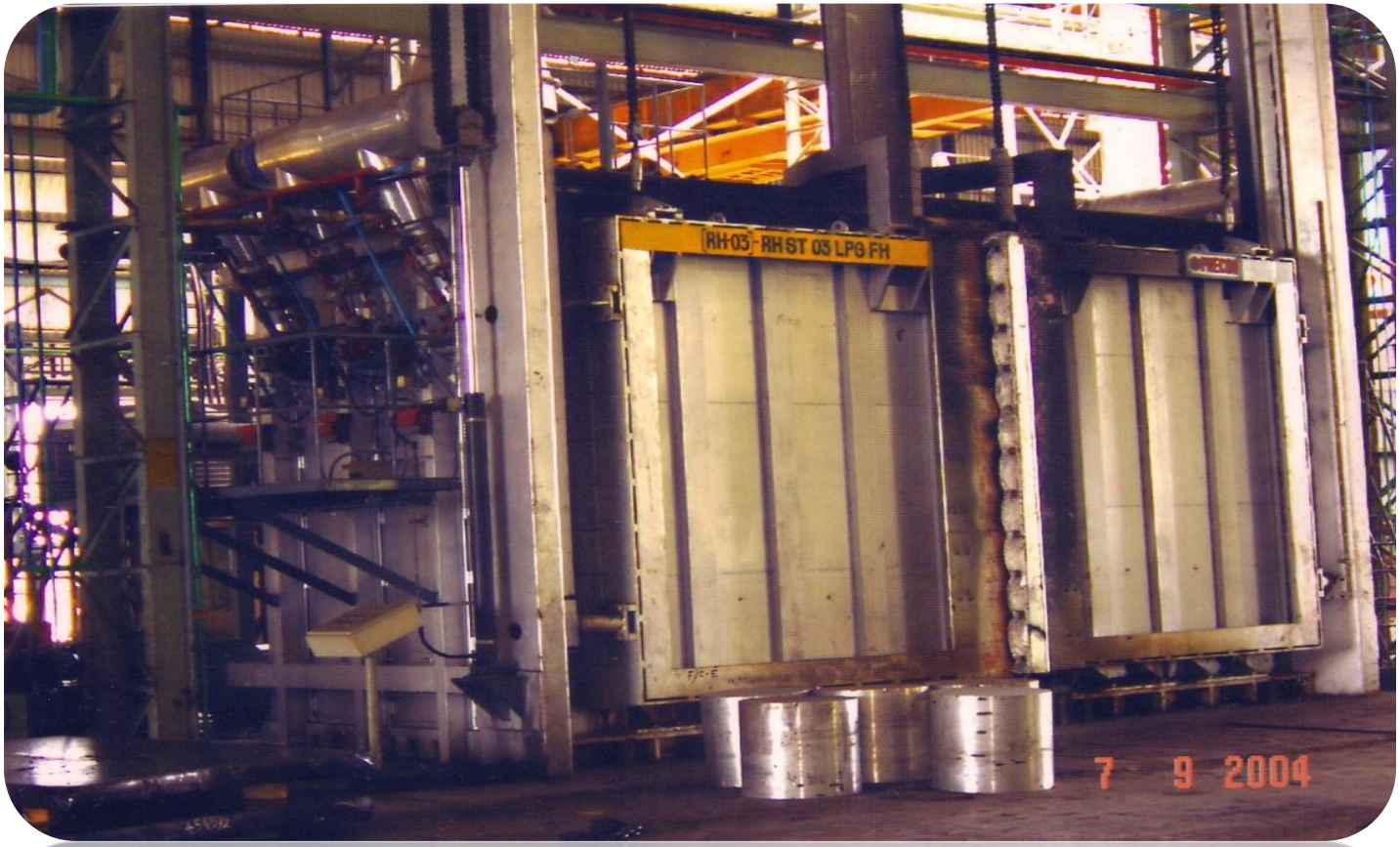
HEAVY ENGINEERING INDUSTRIES

HIGH CAPACITY BOX TYPE AND GAS FIRED FURNACES

SOME OF REPEAT CUSTOMERS FOR HIGH CAPACITY GAS FIRED FURNACES

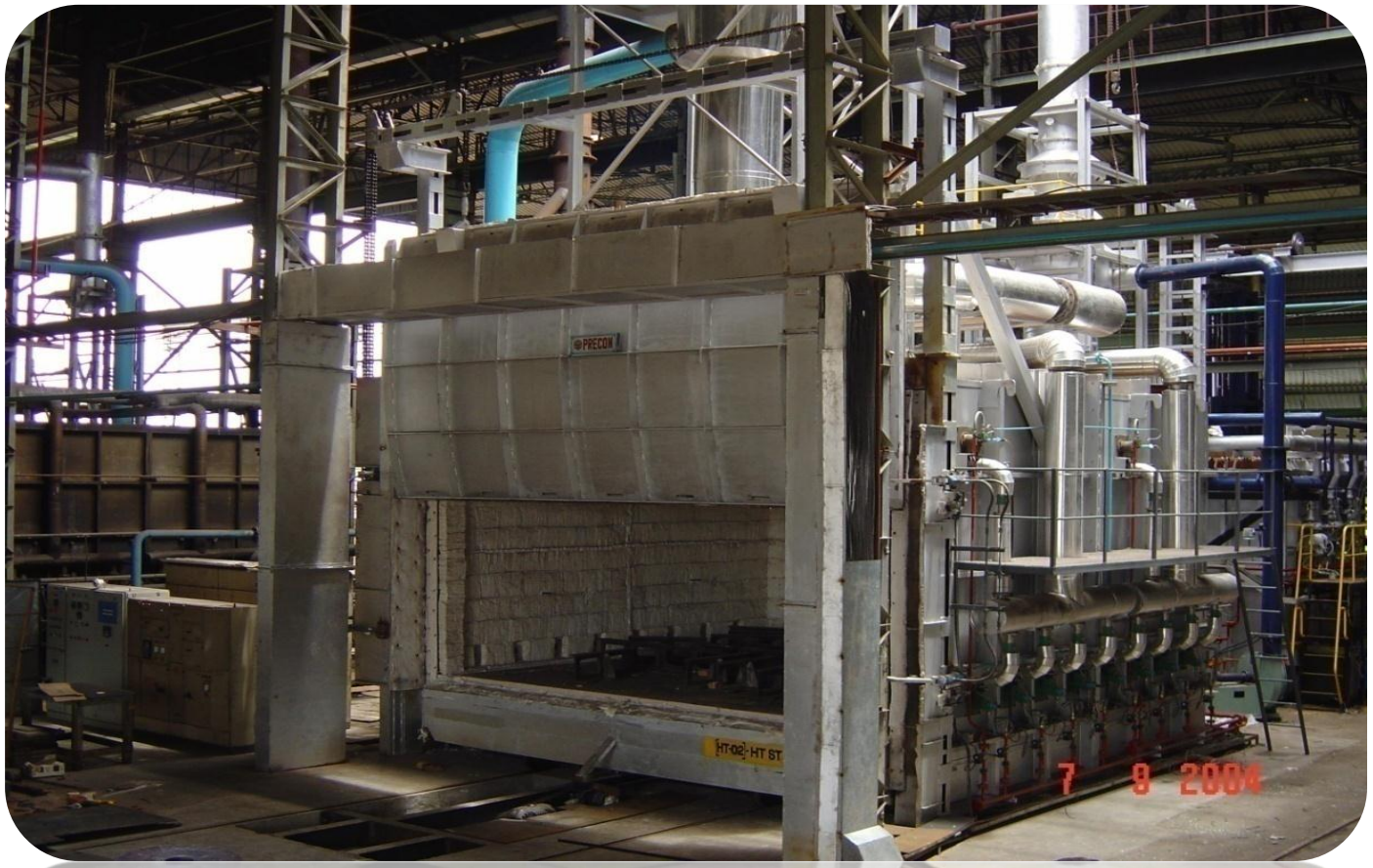
SLNO.	NAME OF THE CUSTOMER	INITIAL PROCUREMENT YEAR	INTIAL PROCUREMENT QUANTITY	PRESENT QUANTITY (as on Nov, 2018)
GAS FIRED FURNACES				
1	BHEL - TRICHY & VIZAG	2008	1 No.	9 Nos.
2	BAY FORGE LTD	2004	1 No.	5 Nos.
3	GONTERMAN PEIPERS INDIA LTD	2010	1 No.	6 Nos.
4	BHEL - BHOPAL	2012	1 No.	1 No.
5	MF RINGS & BEARING RACES PVT LTD	2009	1 No.	4 Nos.
6	LIGHT METAL INDUSTRIES - MALAYSIA	2010	1 No.	2 Nos.

EQUIPMENT : LPG FIRED BOX TYPE HEATING FURNACE



Customer: Bay Forge Ltd., Near Chennai.
Capacity: 100T
Max working temp: 1200°C
Size: 2500mm L x 5000mm W x 3000mm H
Year of installation: 2004

EQUIPMENT : LPG FIRED BOX TYPE HEAT TREATMENT FURNACE



Customer: Bay Forge Ltd., Near Chennai.
Capacity: 60T
Max working temp: 1150°C
Size: 5500mm L x 5500mm W x 2800mm H
Year of installation: 2004

EQUIPMENT : LPG FIRED DOUBLE BOGIE HEARTH HEAT TREATMENT FURNACE

Customer: BHEL, Trichy
Capacity: 50T
Max. Working Temp: 1100°C
Size: 15500mm Lx 4500mm W x 2200mm H
Year of installation: 2009

EQUIPMENT : LPG FIRED CONTINUOUS DISCHARGE FURNACE

Customer: BHEL, Trichy/Vizag
Qty: 4 Nos.
Capacity: 8T/hour
Max. Working Temp.: 800°C
Year of installation: 2008, 2010, 2012, 2015

PRECONS EQUIPMENTS FOR AEROSPACE & AERONAUTICS INDUSTRIES

AEROSPACE AND AERONAUTICS INDUSTRIES

OUR CONTRIBUTION TO DEPARTMENT OF AEROSPACE & AERONAUTICS

Sl. No	Customer Name	Description	Commissioned on
1	VSSC. Trivandrum	ELECTRIC OVEN FOR CURING Size : 60 Ft. H	1976
2	Hindustan Aeronautics Ltd.	PIT TYPE FURNACE Size:2500mm dia x 4000mm H Max. Temp: 1100˚C Purpose: PSLV Projects	1977
3	SPROB, SHAR CENTRE, Sriharikota	BOGIE HEARTH OVEN Purpose: CURING LARGE SIZE ROCKET MOTOR	1978
4	VSSC, Trivandrum	ELECTRO MAGNETIC INTERFERENCE CHAMBER	1978
5	MQC, TRIVANDRAM	ROLLER HEARTH FURNACE	
6	HINDUSTAN AERONAUTICS LTD, AEROSPACE DIVISION, Bangalore	BOGIE HEARTH FURNACES Purpose: Solution Treatment and ageing of Aluminium alloy components and plates **FOR PSLV** PROJECTS	1992

OUR CONTRIBUTION TO DEPARTMENT OF AEROSPACE & AERONAUTICS

Sl. No	Customer Name	Description	Commissioned on
7	M/S.LIQUID PROPULSION SYSTEM CENTRE, Mahendragiri	TRIPLE VACUUM CHAMBERS **Purpose:** Vacuum Testing of CRYO ENGINE SYBSYSTEM	1995
8	M/S.LIQUID PROPULSION SYSTEM CENTRE, Bangalore	VACUUM CHAMBER AND VACUUM PUMPING SYSTEM **Purpose:** ELECTRON BEAM WELDING FACILITY	1998
9	M/s. ISRO INERTIAL SYSTEMS UNIT, Trivandrum	VACUUM CHAMBER	1998
10	M/S.LIQUID PROPULSION SYSTEM CENTRE, , Valiamala, Trivandrum	VACUUM CHAMBER	2000
11	M/S.LIQUID PROPULSION SYSTEM CENTRE,	Vacuum Chamber	2001
12	ISRO Satellite centre, Bangalore	Vacuum Chamber	2003
13	Defence Metallurgical Research Laboratory, Hyderabad	Pit type furnace	1993

OUR CONTRIBUTION TO DEPARTMENT OF AEROSPACE & AERONAUTICS

Sl. No	Customer Name	Description	Commissioned on
14	Defence Metallurgical Research Laboratory, Hyderabad	Vacuum ladder	1993
15	Defence Metallurgical Research Laboratory, Hyderabad	Vacuum ladle	1994
16	Defence Metallurgical Research Laboratory, Hyderabad	Electric resistance -2 Nos & heated pit type furnace	1997
17	VSSC, Trivandrum	Electrically heated horizontal muffle furnace Size:400x400x660mm Temp: 1300˚C Rating: 15KW	1996
18	Defence Metallurgical Research Laboratory, Hyderabad	Dish heater Rating: 30KW	1997

OUR CONTRIBUTION TO DEPARTMENT OF AEROSPACE & AERONAUTICS

Sl. No	Customer Name	Description	Commissioned on
19.	Hindustan Aeronautics Ltd., (Order from VSSC,)	Pit Furnace for 1100° C Size : 2500 ∅ x 4000 mm H Rating : 720 KW (For SLV3 Project of VSSC,)	1977
20	Hindustan Aeronautics Ltd	Box Type Hardening furnace Qty : 2 Nos Size : 1500 x 700 x 450 mm Max Temp: 1100° C	1979
21.	Hindustan Aeronautics Ltd., *Aerospace Division* Bangalore	Oven for H2 De-embrittlement for max. temperature of 300° C Size : 1.9 M x 1.5 M x 1.5 M	1980
22.	Hindustan Aeronautics Ltd.,	Elevated Hearth Drop Bottom furnace for 600° C Size : 800 x 400 x 400 mm Rating : 21 KW	1981
23.	Hindustan Aeronautics Ltd., *Aerospace Division*	Ageing Oven Size: 1200 W x 2000 H x 3000 mm L Max. Temp. 180°C	1990

OUR CONTRIBUTION TO DEPARTMENT OF AEROSPACE & AERONAUTICS

Sl. No	Customer Name	Description	Commissioned on
24.	Hindustan Aeronautics Ltd., ***Aerospace Division***	Box type tempering furnace 800 x 800 x 1000 L Max temp : 750 deg C ; KW : 30 PO No.904004 dt 17.5.95	1995
25.	Hindustan Aeronautics Ltd., ***Helicopter Division***	Electric Programmable curing oven 3000 x 2000 x 6000 L Deg 250 deg C PO No.5518009/ALH/EQPT dt 26.9.97	
26.	Hindustan Aeronautics Ltd., ***Aerospace Division*** (Order from VSSC, for PSLV Project)	Bogie Hearth Furnace for Aluminium Solution Treatment. Size : 5000 x 5000 x 4000 mm L Max. Temp. 600° C Rating : 630 KW in 3 zones	1990
27.	Hindustan Aeronautics Ltd., ***Aerospace Division*** (Order from VSSC, for PSLV Project)	Bogie Hearth Aluminium Precipitation Hardening/Ageing Oven Size : 5.5 W x 5.5 H x 15.0 M L Max . Temp. 250 °C Rating : 525 KW in 5 zones	1991
28.	Hindustan Aeronautics Ltd., ***Aerospace Division***	Bogie Hearth Ageing Oven Size : 3 M x 2 M x 2 M Max Temp.: 200° C Rating : 90 Kw in 2 zones	1990

OUR CONTRIBUTION TO DEPARTMENT OF AEROSPACE & AERONAUTICS

Sl. No	Customer Name	Description	Commissioned on
29.	Hindustan Aeronautics Ltd., ***Aerospace Division*** (Order from DRDL , for Prithivi Project.)	Elevated Hearth Drop Bottom Furnace for Al.Solution Furnace. Size : 2000 ∅ x 2500 mm H Rating : 210 Kw in 2 zones	1991
30.	Hindustan Aeronatics Limited, -	Hydraulic Pusher Mechanism with Entry Channel for Pusher furnace Qty : 2 Nos. (Atmosphere : Hydrogen)	1994
31.	Hindustan Aeronautics Ltd., ***Aerospace Division***	Box Type Tempering furnace Size : 800 W x 800 H x 1000 mm L Max. Temp. 750 ° C Rating : 30 KW	1995
32.	Hindustan Aeronautics Ltd., Hyderabad	Hydraulic pusher system HAL/HD/PUR/1-H/158/X310544 DT 28.11.1993	1994
33.	Hindustan Aeronautics Ltd., **Aerospace Division–** Bangalore (Order from LPSC – B'lore)	Vacuum Chamber and Vacuum Pumping System for EBW facility Size : 4200 mm dia x 5600 mm Length Vacuum Level 1x 10^{-4} torr	1997

OUR CONTRIBUTION TO DEPARTMENT OF AEROSPACE & AERONAUTICS

Sl. No	Customer Name	Description	Commissioned on
34.	Hindustan Aeronautics Ltd., ***Engine Division***	Air Circulation Furnace Size : 36" x 36" x 36" Max Temp : 750° C Rating : 50 KW in single zone	1999
35.	Hindustan Aeronautics Ltd., ***Helicopter Division*** **ARDC, ALH Composite Shop** **LCA Complex** **Bangalore** JC : 4401	Electric Programmable curing Oven Size : 4000 x 2500 H x 10000 mm L Max. Temp.: 250° C Rating : 960 KW in 5 zones 5518008/ALH/EQUP dt 8.10.1997	2001
36.	Hindustan Aeronautics Ltd., ***Helicopter Division*** **ARDC, ALH Composite Shop** **LCA Complex** **Bangalore** JC : 4309	Electric Programmable curing Oven Size: 3000 W x 2000H x 6000 mm L Max. Temp.: 250° C Rating : 520 KW in 4 zones	2001

OUR CONTRIBUTION TO DEPARTMENT OF AEROSPACE & AERONAUTICS

Sl. No	Customer Name	Description	Commissioned on
37.	Hindustan Aeronautics Ltd *Foundry & Forge Division* Bangalore JC : 4809	Box Type High Temperature Furnace Size : 1000 W x 750 mm H x 1500 mm L Working temp.: 800 to 1200°C Rating : 74 KW 2/74/4384 dt 28.8.2007	2008
38.	Hindustan Aeronautics Ltd. Foundry & Forge Division . ;JC : 4848 Place of supply : Bangalore	Drop Bottom Quench Furnace for Aluminium Solution Treatment Furnace Size : 1500 mm dia x 1500 mm H. Working temperature : 650 ˚C Heating rating : 150 KW 2/74/5552 dt 25.7.08	2010
39	Hindustan Aeronautics Ltd. Foundry & Forge Division . ;JC : 5066 Place of supply : Bangalore	Drop Bottom Quench Furnace for Aluminium Solution Treatment Furnace Size : 700 mm L x 700 mm W x 700 mm H. Working temperature : 700 ˚C Heating rating : 60 KW 15851664 dt 25.7.08	2013

SOME OF PRESTEGIOUS AND REPEAT CUSTOMERS FOR OVENS

SLNO.	NAME OF THE CUSTOMER	INITIAL PROCUREMENT YEAR	INTIAL PROCUREMENT QUANTITY	PRESENT QUANTITY (As on Nov, 2018)
OVENS				
1	INDONESIAN AEROSPACE	2005	1 No.	1 No.
2	HAL - BANGALORE	1998	1 No.	5 Nos.
3	TATA ADVANCED MATL LTD	2007	1 No.	2 Nos.
4	BAY FORGE LTD	2007	1 No.	1 No.
5	B H E L - HYDERABAD	2009	1 No.	1 No.
6	L & T	2001	1 No.	2 Nos.
7	CARBORANDUM	2004	1 No.	20 Nos.
8	STERILITE TECHNOLOGIES LTD	1998	1 No.	12 Nos.
9	STERLING TOOLS LTD	2004	1 No.	3 Nos.
10	AURANGABAD ELECTRICALS PVT LTD	2005	1 No.	1 No.
11	FEDERAL MOGUL GOETZE INDIA LTD	2005	1 No.	4 Nos.
12	SAUDI MECHANICAL INDUSTRIES	2003	1 No.	2 Nos.

SOME OF OUR PRESTEGIOUS INSTALLATIONS FOR AEROSPACE AND AERONAUTICS INDUSTRY

EQUIPMENT : DROP BOTTOM FURNACE FOR SOLUTIONIZING OF ALUMINIUM FORGED RINGS

Customer: Bay Forge Ltd., Near Chennai
Capacity: 20T
Max working temp: 600°C
Chamber Size: 6000mm dia X 2800mm H
Rating: 630KW
Year of installation: 2004

EQUIPMENT : AGEING OVEN FOR AGEING OF ALUMINIUM SHEETS FOR AEROSPACE APPLICATION

Customer: Indonesian Aerospace, Indonesia
Size: 4500mm L x 4000mm W x 2500mm H
Max working temp: 250°C
Power Rating: 324KW
Year of installation: 2006

EQUIPMENT : COMPOSITE CURING OVEN

Customer: TATA Advanced Materials Limited, Bangalore
Size: 5000mm L x 4000mm W x 1700mm H
Max working temp: 250°C
Power Rating: 210KW
Year of installation: 2005, 2018

EQUIPMENT : TRIPLE VACUUM CHAMBER

Customer: Liquid Propulsion System Centre, Mahendragiri (ISRO)
Application: Simulation test of Space Components
Year of installation: 1997

EQUIPMENT : VERTICAL AUTOCLAVE

Customer: Larson & Toubro, Vadodra
Working Temp.: 300°C
Working Pressure: 10 bar
Application: Curing of Carbon composite material
Year of installation: 2003

EQUIPMENT : CANISTER CURING OVEN

Customer: Larsen & Toubro Ltd., Gujarat
Capacity: 8T
Chamber Size: 13000mm L x 1200mm W x 1200mm H
Power rating: 192KW
Max. Working Temp: 300°C
Year of Installation: 2018

EQUIPMENT : VACUUM CHAMBER PUMPING SYSTEM

Customer: Liquid Propulsion System Centre, Bangalore (ISRO)
Qty: 1 No.
Size: 4200 mm dia X 5600 mm L
Application: Electro Beam Welding
Year of installation: 1998

PRECONS EQUIPMENTS FOR NUCLEAR INDUSTRY

NUCLEAR INDUSTRY

OUR CONTRIBUTION TO DEPARTMENT OF ATOMIC ENERGY

Sl. No	Customer Name	Description	Purchase Order No. & Date	Commissioned on
1	Nuclear Fuel Complex Zirconium Sponge Plant,	Electric Pit Furnace Size : 2000 D x 2700 mm H Max. Temp. : 900˚ C Rating : 350 KW	DPS/NFC/MIA/593/PO/7971 DT. 16.12.86	1989
2	Nuclear Power Corpn. Of India Ltd., Mumbai (A/C BARC, Mumbai)	Pit type Nitriding furnace Size : 1000 D x 1500 mm H Max Temp.700 ° C Rating : 60 KW	DPS/NPB/V/CAP/5/PO/76 DT. 12.6.87	1989
3	Nuclear Fuel Complex, Zirconium Sponge Plant, .	Electric Pit Furnace Size : 1450 D x 4220 mm H Max. Temp.: 1000° C Rating : 445 KW	DPS/NFC/CAP/983/PO:8273 dt. 13.1.88	1989
4	Nuclear Fuel Complex Uranium Oxide Plant, .	Rotary Furnace Tube and accessories for Calcination. Capacity : 100 Kg ; Tube Size : 500 ϕ x 6000 mm L ; Temp : 1000°C	DPS/NFC/CAP/999/PO/8421 DT.22.8.88	1989
5	Nuclear Fuel Complex, Uranium Oxide Plant .	Box Type Muffle Furnace Chamber Size : 600 W X 600 H X 3500 MM L Max . Temp.: 800 ° C Rating : 120 KW in 4 zones with PC control	DPS/NFC/CAP/1085/PO/8874 DT.26.4.90	1991

OUR CONTRIBUTION TO DEPARTMENT OF ATOMIC ENERGY

Sl. No	Customer Name	Description	Purchase Order No. & Date	Commissioned on
6	DPS, Bhabha Atomic Research Centre PE& SDD Division, Trombay Mumbai-85	Electrically heater rotary dryer	DPS/AMD/CAP/1208 /PO/14517 DT 17.8.92	1993
7	Atomic Mineral Division Regional Centre for Exploration & Research, Shillong.	Electrically heated Rotary Dryer alongwith spares Capacity : 1.5 – 2 T (8 Hrs) Size : 800 dia x 6000 mm L Max. Temp.: 70-90°C	DPS/AMD/CAP/1208 /PO/14517 DT.17.8.92	1993
8	Indian Rare Earths	Electric pit furnaces – 4 Nos.	PDP/REDL/43293 dt 27.7.93	1994
9	Nuclear Fuel Complex Uranium Oxide Plant .	Rotary furnace Tube and accessories for calcinations Capacity : 100 Kg/Hr Tube Size : 500 dia x 6000 mm L ; Temp : 1000° C	DPS/NFC/CAP/1086/ PO/8603	

OUR CONTRIBUTION TO DEPARTMENT OF ATOMIC ENERGY

Sl. No	Customer Name	Description	Purchase Order No. & Date	Commissioned on
10	Indian Rare Earths Ltd., RMP Division, -	Electrically heated pyrohydrolysis Furnaces Size : 1300 L x 850 W x 400 H mm ; Max Temp. 800° C	DPS/PDO/IRE/P-1373/3618/C-18 DT.3.2.92	1992
11	Indian Rare Earths Ltd UMP, Trombay, 85.	Electric Pit furnace Size : 225 ϕ x 1000 mm H – 2 Nos Size: 305 ϕ x 1000 mm H – 2 Nos ; Temp.: 1100 °C	DPS/PDP/REDL/432/93 DT.27.7.93	1994
12	DPS, Bhabha Atomic Research Centre, Uranium & Rare Earths Extraction Divn., UMP, Trombay, Mumbai 85	High Temperature Laboratory furnace Size : 140 H x 120 W x 200 mm L Max. Temp. 1650°C	DPS/BARC/EEQ/8932/PO/95680 DT. 25.1.93	1993
13	DPS, Board of radiation and isotope technology	Glove box – 2 Nos. 1800 x 1800 x 1000 1800 x 1000 x 1200	IG/BRIT/ARALAR/RCG/906/1808/1120 DT 13.9.01	2002

OUR CONTRIBUTION TO DEPARTMENT OF ATOMIC ENERGY

Sl. No	Customer Name	Description	Purchase Order No. & Date	Commissioned on
14	DPS,Bhabha Atomic Research Centre, Radio Mettalurgy Divn., Trombay, Mumbai – 85.	Laboratory batch Type Resistance Heating furnace Size : 200 H x 200 W x 200 mm L Max Temp. : 1650 ° C	DPS/BARC/EEQ/9424/PO/100902 DT.13.12.93	1995
15	DPS, Bhabha Atomic Research Centre, Radio Mettalurgy division, Trombay, Mumbai - 85.	Resistance Heated Rotary Tube Furnace For Calcination, & Reduction Of Ceramic Oxides Capacity : 5 – 10 Kgs; Temp. 1000° C Tube Size : 200 ϕ x 2000 mm long	DPS/BARC/EEQ/9440/PO/101244 DT. 6.1.94	1994

OUR CONTRIBUTION TO DEPARTMENT OF ATOMIC ENERGY

Sl. No	Customer Name	Description	Purchase Order No. & Date	Commissioned on
16	Nuclear Fuel Complex, New Uranium Oxide plant, .	Rotary Kiln (1 Set = 7 Nos) For Uranium Power calcinations, Reduction, Stabilisation and Re-oxidation Capacity : 100 Kgs/ Hr Temp: 1000°C ; Tube Size : 500 ϕ x 6000 mm L	HRPU/NFC/TPT/CAP /003/XXV/2371 DT. 7.3.95	1998
17	DPS, Bhabha Atomic Research Centre Uranium and Rare Earth Extension Section , Trombay, Mumbai – 85	Electrically resistance heated Pit type furnace Qty : 2 Nos Capacity : 3 T approx. Size : 1000 ϕ x 1800 mm H Max. Temp.: 1000°C	DPS/BARC/EEQ/100 41/PO/112962 DT. 09.02.96	1996
18	DPS, Bhabha Atomic Research Centre Uranium and Rare Earth Extension Section , Trombay, Mumbai –83	High Temperature Furnace for Max 1800°C Qty : 1 No. Size : 305 W x 356 D x 305 H	DPS/BARC/EEQ/107 20 DT.24.3.98	1999

OUR CONTRIBUTION TO DEPARTMENT OF ATOMIC ENERGY

Sl. No	Customer Name	Description	Purchase Order No. & Date	Commissioned on
19	Nuclear Fuel Complex, Zirconium Sponge Plant, .	Bell Type Electric Resistance Vacuum Furnace Size : 1540 D x 2200 mm H Max Temp.: 1000°C Rating : 237 KW	DPS/NFC/CAP/984/PO/8270 Dt. 12.1.98	1999
20	DPS (HRPU) NFC, HYDERABAD	SS Container – 5 Nos.	HRPU/NFC/FAB/2838/XXV/1896/UOP DT 10.1.1995	1995
21	FACT, Udyogamandal	Electric Resistance heater rotary furnace		1994
22	DPS, Bhabha Atomic Research Centre PE& SDD Division, Trombay Mumbai - 85	Rotary Ball Kiln Calciner Qty : 1 No. Capacity : 5 Ltrs/Hrs Size : 300 ϕ x 2500 mm L Temp: 800° C	DPS/BARC/FAB/1069/PO/117386 dt. 23.12.96	1998

OUR CONTRIBUTION TO DEPARTMENT OF ATOMIC ENERGY

Sl. No	Customer Name	Description	Purchase Order No. & Date	Commissioned on
23	DPS, Bhabha Atomic Research Centre PE& SDD Division, Trombay Mumbai - 85	Elec. Muffle furnace with Glove Box – 1 Set Size : 200 mm ID ; 900 mm ID Max. Working Temp. : 1100° C Glove Box Size : 1094 x 1094 x 1094 mm	UP/P1.13.97/2321 DT. 4.12.97	1998
24	DPS, Bhabha Atomic Research Centre PE& SDD Division, Trombay Mumbai - 85	Elec. Muffle furnace with Glove Box – 1 Set Size : 200 mm ID ; 900 mm ID;Max. Working Temp. : 1100° C ;Glove Box Size : 1094 x 1094 x 1094 mm	UP/P1.13.98/1021 DT. 13.05.98	1999

OUR CONTRIBUTION TO DEPARTMENT OF ATOMIC ENERGY

Sl. No	Customer Name	Description	Purchase Order No. & Date	Commissioned on
25	Bhabha Atomic Research Centre, Uranium Extraction Division Trombay, Mumbai	Box type Steam tempering furnace Muffle Size : 400Wx 400H x 600 mm L Max. Working Temp.: 1000°C Heater Rating : 36 KW	UED/P1.13.98/1947 DT.3.9.98	1999
26	M/s.Nuclear fuel Complex,	Spencer Turbine Blower & Vacaero make Heat Exchanger for vacuum furnace	HRPU/NFC/CAP/6274/NZFP (49) XXIX 2315 DT.9.1.99	2000
27	Bhabha Atomic Research Centre, Radio mettalurgy Division Trombay, Mumbai	Sintering furnace - 1 No Atmosphere : H2 or N2-N2 mixture in 1720° C and Oxidising atm in 1600 ° C Hot zone size :500 W x 500 H x 400 L Rating : 18 Kw in 4 zones	DPS/04/IEE/14429/PO/122646/PO/127305 DT.29.5.98	1999

OUR CONTRIBUTION TO DEPARTMENT OF ATOMIC ENERGY

Sl. No	Customer Name	Description	Purchase Order No. & Date	Commissioned on
28	Bhabha Atomic Research Centre, Radio mettalurgy Division Trombay, Mumbai	Electric muffle furnace with attained globe box High temperature reduction electric 200 dia x 1850 mm L with globe box	UED/SUM P-1/02/52 DT 11.09.2002	2003
29	Bhabha Atomic Research Centre, Uranium Extraction Division, Trombay, Mumbai	Rotary Tubular Convertors along with Spares – 2 Nos. Capacity : 90 Kg/hr Rotary Tube Size : 500 mm OD x 6000 mm L, Max Temp.: 1000° C Rating : 144 Kw in 4 zones.	DPS/BARC/TPT/EEQ/036 PO/127305 DT. 29.5.98	1998
30	Bhabha Atomic Research Centre, Radio Mettalurgy Division, Trombay, Mumbai – 85	Glove Boxes Type –4 Qty - 6 Nos Glove Boxes Type – 6 Qty - 12 Nos	DPS/04/ENG/22564/PO/130653 DT. 30.12.98	1999

OUR CONTRIBUTION TO DEPARTMENT OF ATOMIC ENERGY

Sl. No	Customer Name	Description	Purchase Order No. & Date	Commissioned on
31	Bhabha Atomic Research Centre Radio Mettalurgy Division Trombay, Mumbai – 85.	Multipurpose Rotary tubular Converter 10 Kg/hr Qty - 1 No	DPS/04/CPM/810/PO/132378 DT.25.2.99	1999
32	Bhabha Atomic Research Centre Rare Earth Development Division, Trombay, Mumbai	High Temperature furnaces Size : 400 W x 200 H x 600 L Max Temp.: 500° C ; 20 Kw	DPS/04/EEQ/10801/PO/131271 DT.25.1.99	2000
33	Bhabha Atomic Research Centre, Radio Mettallurgy division Trombay, Mumbai	Glove Box Assembly (Glove Box Frame S.S. Side Panel with filter Box, Electrical Service Box)	RMD/FMS/99/40 DT.6.1.99	1999

OUR CONTRIBUTION TO DEPARTMENT OF ATOMIC ENERGY

Sl. No	Customer Name	Description	Purchase Order No. & Date	Commissioned on
34	Bhabha Atomic Research Centre, Radio Mettalurg Division Trombay, Mumbai.	Glove Box Assembly - type II	RMD/FMS/99/625 DT.11.3.99	2000
35	Indian Rare Earths Ltd., - Mumbai Supply to : POS Mattikhola Orissa	Multipurpose Rotary Tubular Calciner Rotary Tube Size : 6000 mm Hot zone Length : 2000 mm Tube Dia : 200 mm NBSch : 40	OSCOM/HOP/856/2 0001574 C dt 17.8.2000	2002
36	Bhabha Atomic Research Centre Uranium Extraction Division Trombay, Mumbai	Rotary Tubular Converters along with Spares - 1 No. Capacity : 2-3 Kg/Hr Size : 100 mm OD x 2500 L Max. Temp. 1000°C : Rating – 18 Kw in 4 zones	DPS/04/CPM/1068/ PO/139520 DT.18.2.2000	2000

OUR CONTRIBUTION TO DEPARTMENT OF ATOMIC ENERGY

Sl. No	Customer Name	Description	Purchase Order No. & Date	Commissioned on
37	Bhabha Atomic Research Centre Uranium Extraction Division Trombay, Mumbai	Multipurpose Rotary Tubular converter of 10 Kg/Hr Qty - 1 No. Temp. : 1150° C Rating : 40 Kw in 2 zones	DPS/04/CPM/1228/ PO/ DT.22.3.2000	2001
38	Directorate of Purchase & Stores Vikram Sarabhai Bhavan Anushakthi Nagar , II Floor Mumbai - 094	S.S. 304 Glove boxes Type A, Type B, Double Module Glove Box Module Glove Box	DPS/04/ENG/24360/ PO/157098 dt 19.6.2002	2004
39	Directorate of Purchase & Stores Vikram Sarabhai Bhavan Anushakthi Nagar , II Floor Mumbai - 094	SS tank – 4 Nos. Lab table – 4 Nos. Storage rack - 8 Nos.	MPQ/FAB & REP/ACB-SKT/00/02/927 DT 24.11.2000	2001

OUR CONTRIBUTION TO DEPARTMENT OF ATOMIC ENERGY

Sl. No	Customer Name	Description	Purchase Order No. & Date	Commissioned on
40	Nuclear Fuel Complex, (HRPU) Hyderabad. Supplied to: Pazhyakayal, Turicorin Unit.	2 Nos HT Calciner Furnace system and 1 No Common scrubber.	NFC(68)/PT/TPT/CAP /007870/XXXVII/086 5 DT. 8.9.06	2009
41	Nuclear Fuel Complex, (HRPU) Hyderabad. Supplied to: Pazhyakayal, Turicorin Unit.	1 No Oxidiser Furnace	HRPU/NFC/CAP/826 1/PO/08-09/71 DT.16.4.08	2010
42	Directorate of Purchase & Stores Vikram Sarabhai Bhav Anushakthi Nagar , II Floor Mumbai - 094	Helium Bombing testing facility chamber	DPS/15/EEQ/11/PO/ 178 DT 21.8.2000	2001

OUR CONTRIBUTION TO DEPARTMENT OF ATOMIC ENERGY

Sl. No	Customer Name	Description	Purchase Order No. & Date	Commissioned on
43	Department of Automic Energy	Glove box – 2 Nos. 1800 x 1800 x 1000	IG/BRT/ARACAR/RLG /9796/1096 DT 6.9.2001	2002
44	Directorate of Purchase & Stores Vikram Sarabhai Bhavan Anushakthi Nagar , II Floor Mumbai - 094	Vacuum chamber for high vacuum baking oven	HRPU/NEC/49/0068 37/XXX11	2003
45	Directorate of Purchase & Stores Vikram Sarabhai Bhavan Anushakthi Nagar , II Floor Mumbai - 094	Pit type electric resistance furnace 400 kw power rating 1730 mm dia x 5275mm H 1000 maximum temperature	HRPU/TPT/CAP/42/X XX111/1128 DT 6.9.2002	04.2003 = 4 Nos. 06.2003 = 12 Nos.

SOME OF REPEAT CUSTOMERS FOR ROTARY CONVERTERS

SLNO.	NAME OF THE CUSTOMER	INITIAL PROCUREMENT YEAR	INTIAL PROCUREMENT QUANTITY	PRESENT QUANTITY (as on Nov, 2018)
ROTARY CONVERTORS				
1	NUCLEAR FUEL COMPLEX	1989	1 No.	17 Nos.
2	UCIL	2006	1 No.	1 No.
3	B.A.R.C. MUMBAI	1999	1 No.	8 Nos.
4	I R E LTD	2003	1 No.	2 Nos.
5	CARBORANDUM	2006	1 No.	4 Nos.

SOME OF OUR PRESTEGIOUS INSTALLATIONS FOR NUCLEAR INDUSTRY

EQUIPMENT : ELECTRICALLY HEATED ROTARY KILN

Customer: Nuclear Fuel Complex, Hyderabad
Qty: 14 Nos.
Capacity: 100Kg/Hr
Application: Calcination, Reduction of Uranium
Working temp: 900°C
Year of first installation: 1990

EQUIPMENT : HIGH TEMPERATURE FURNACE

Customer: Baba Atomic Research Centre, Mumbai
Max. Working Temp: 1800°C (working under reducing atmosphere)
Year of installation: 2000

PRECONS EQUIPMENTS FOR ELECTRICAL INDUSTRY

ELECTRICAL INDUSTRY

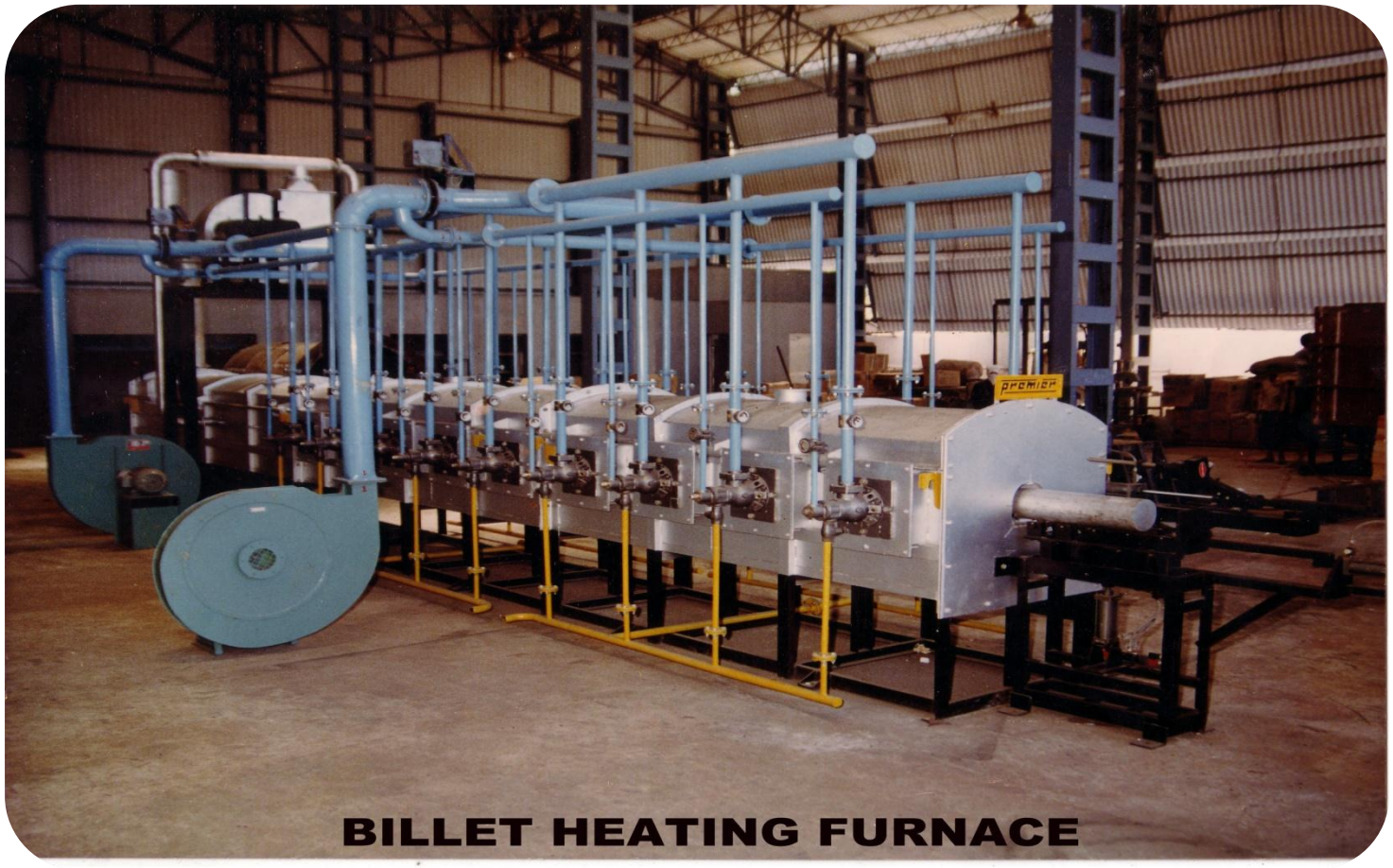
EQUIPMENT : TRANSFORMER CORE ANNEALING FURNACE UNDER INERT ATMOSPHERE

Customer: Precise Electro-Mechanical works Co. Ltd., Thailand
Qty: 1 No.
Capacity: 4T/batch
Chamber size: 1800mm L x 1800mm W x 1800mm H
Max Working Temp.: 850°C
Power Rating: 285KW
Year of installation: 2012

EQUIPMENT : ANNEALING CUM AGEING MOVING TYPE FURNACE FOR ALUMINIUM COILS

Customer: Sterlite Technologies Ltd., Silvasa
Capacity: 15T
Qty: 2Nos.
Size: 6500mm L x 1850mm W x 2000mm H
Rating: 540KW
Max. Working Temp: 500°C
Year of installation: 2016

EQUIPMENT : ALUMINIUM BILLET HEATING FURNACE



Customer: Banco Aluminium Ltd., Bharuch
Capacity: 2T/Hour
Max working temp: 800°C
Year of Installation: 1986

APPRECIATION LETTER FROM SOME OF OUR REPUTED CUSTOMERS

Aurangabad Electricals Limited
Plant IX, Gut No. 104, Village Pharola
Taluka Paithan, District Aurangabad – 431 105,
Maharashtra, India.
Telephone: +91-02431-2853xxx, 271793
Fax: +91-02431-251142
Email: aepli@bajajgroup.com

DATE: 11-09-2012

TO WHOMSOEVER IT MAY CONCERN

This is to certify that M/S. Precision Controls, Plot No.20, SIDCO Industrial Estate, Ambattur, Chennai.98 has supplied 3 Nos. 500Kgs/Hr. Continuous Hardening and Tempering Line furnace to our factory and the same are successfully working for the last five years. We are regularly taking production from this furnace.

M/S. Precision Controls also supplied 1No. Continuous Hardening & Tempering furnace of 1200 Kgs./hr against our Order No.4700001475-0.30.11.2011 which is under erection and commissioning at our fastener manufacturing plant located at Gut No.14, Village Pharola, Paithan Road, Dist Aurangabad in Maharashtra State.

For AURANGABAD ELECTRICALS LTD.

S.P. MISHRA
Sr Manager Maintenance

TATA

FP1-PC.001
12th September 2012

TO WHOMSOEVER IT MAY CONCERN

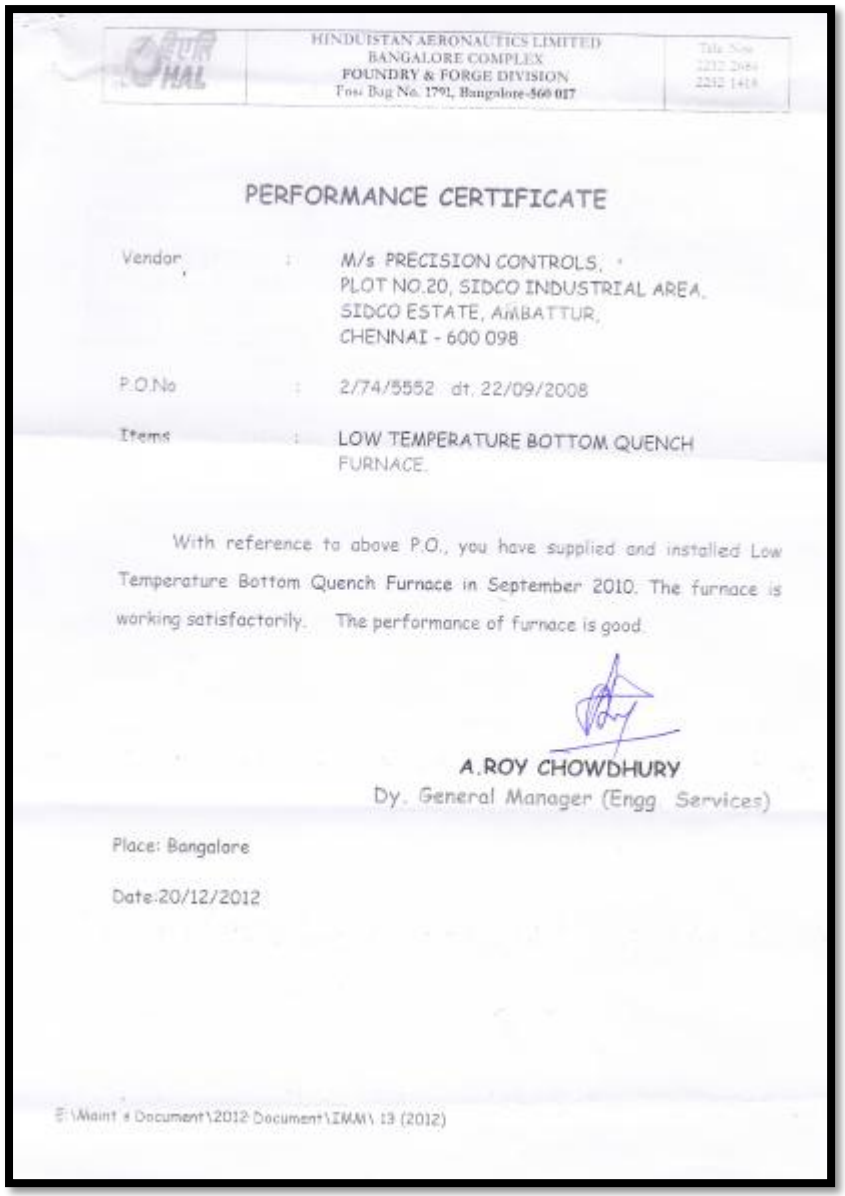
This is to certify that M/s. Precision Controls, situated at Plot no. 20, Sidco Industrial Estate, Ambattur, Chennai-600 098 has supplied us 5mtr (L) x 4mtr(W)x 2.1 Mtrs (Ht) Precision & programmable Hot Air Oven for processing Aerospace & space components against our P.O no. IT027-0 dtd 04-01-2007. They supplied the Hot Air Oven ontime and the quality & the workmanship of the Hot Air Oven is exceptionally good. This Hot air oven is working good since 5 years with zero breakdowns. We do not hesitate to recommend their products to anyone who expects quality products on time.

We wish them success in their future endeavors.

For Tata Advanced Materials Ltd

RAJEEV B.TELSANG
(Gen.Manager- Facilities & Projects)

APPRECIATION LETTER FROM SOME OF OUR REPUTED CUSTOMERS



HINDUSTAN AERONAUTICS LIMITED
BANGALORE COMPLEX
FOUNDRY & FORGE DIVISION
Post Bag No. 1791, Bangalore-560 017

Tele Nos: 2232 2684, 2232 1418

PERFORMANCE CERTIFICATE

Vendor : M/s PRECISION CONTROLS,
PLOT NO.20, SIDCO INDUSTRIAL AREA,
SIDCO ESTATE, AMBATTUR,
CHENNAI - 600 098

P.O.No : 2/74/5552 dt. 22/09/2008

Items : LOW TEMPERATURE BOTTOM QUENCH FURNACE.

With reference to above P.O., you have supplied and installed Low Temperature Bottom Quench Furnace in September 2010. The furnace is working satisfactorily. The performance of furnace is good.

A.ROY CHOWDHURY
Dy. General Manager (Engg Services)

Place: Bangalore

Date:20/12/2012

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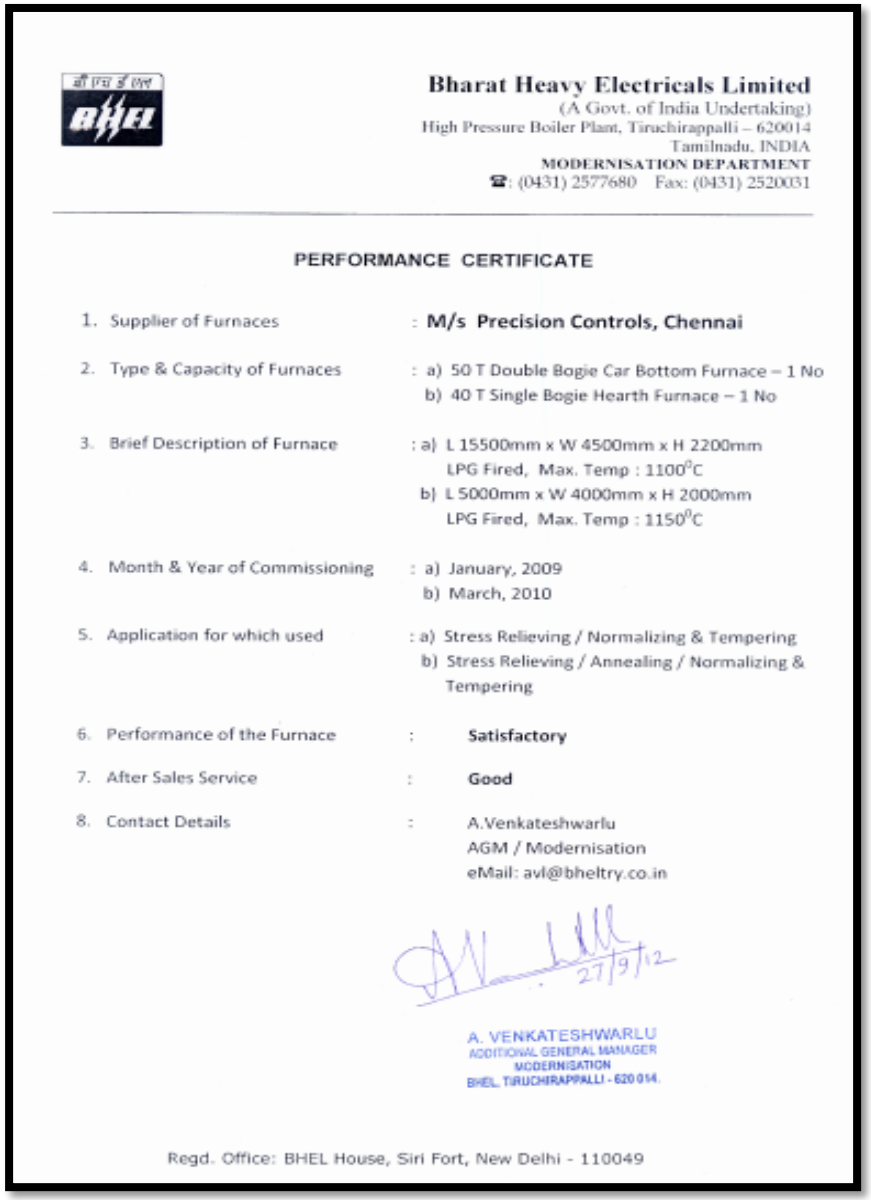


Bharat Heavy Electricals Limited
(A Govt. of India Undertaking)
High Pressure Boiler Plant, Tiruchirappalli – 620014
Tamilnadu, INDIA
MODERNISATION DEPARTMENT
☎: (0431) 2577680 Fax: (0431) 2520031

PERFORMANCE CERTIFICATE

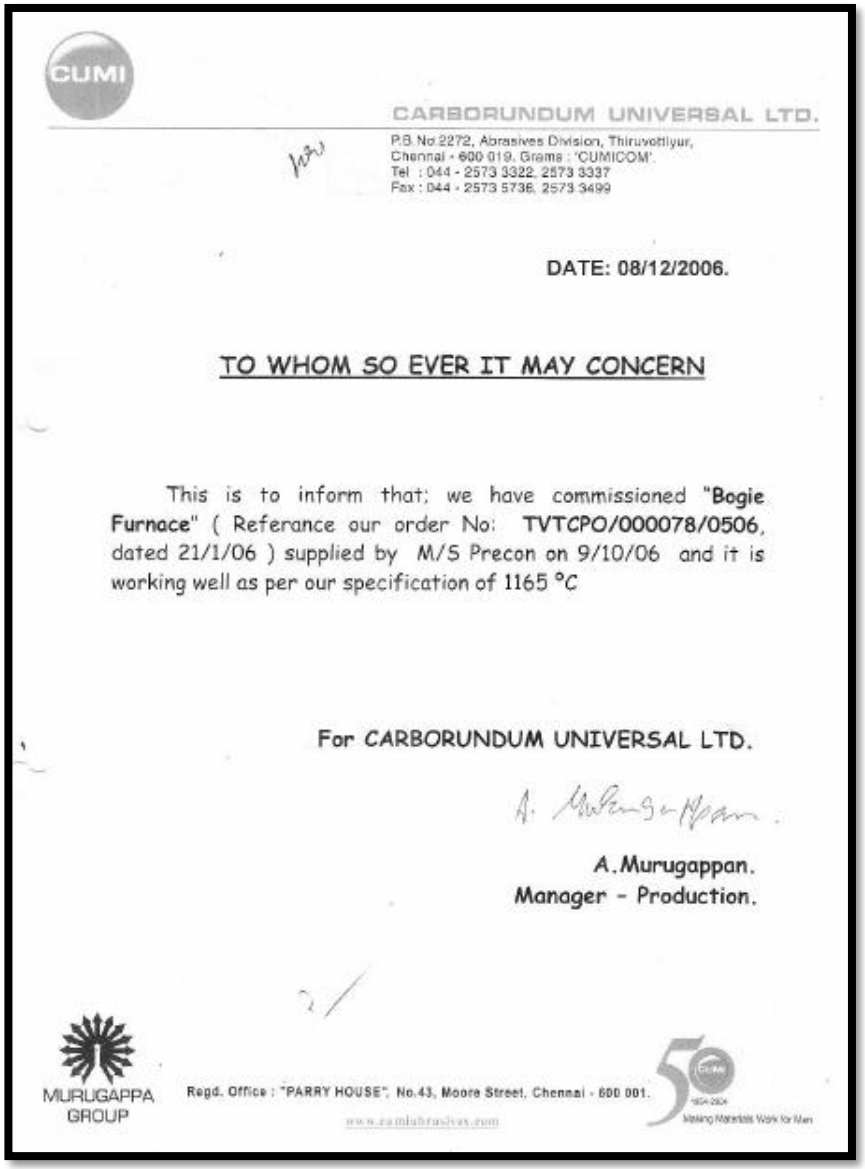
1.	Supplier of Furnaces	: **M/s Precision Controls, Chennai**
2.	Type & Capacity of Furnaces	: a) 50 T Double Bogie Car Bottom Furnace – 1 No b) 40 T Single Bogie Hearth Furnace – 1 No
3.	Brief Description of Furnace	: a) L 15500mm x W 4500mm x H 2200mm LPG Fired, Max. Temp : 1100^{0}C b) L 5000mm x W 4000mm x H 2000mm LPG Fired, Max. Temp : 1150^{0}C
4.	Month & Year of Commissioning	: a) January, 2009 b) March, 2010
5.	Application for which used	: a) Stress Relieving / Normalizing & Tempering b) Stress Relieving / Annealing / Normalizing & Tempering
6.	Performance of the Furnace	: **Satisfactory**
7.	After Sales Service	: **Good**
8.	Contact Details	: A.Venkateshwarlu AGM / Modernisation eMail: avl@bheltry.co.in

27/9/12

A. VENKATESHWARLU
ADDITIONAL GENERAL MANAGER
MODERNISATION
BHEL TIRUCHIRAPPALLI - 620 014.

Regd. Office: BHEL House, Siri Fort, New Delhi - 110049

APPRECIATION LETTER FROM SOME OF OUR REPUTED CUSTOMERS



CUMI

CARBORUNDUM UNIVERSAL LTD.

P.B. No 2272, Abrasives Division, Thiruvottiyur,
Chennai - 600 019. Grams : 'CUMICOM'.
Tel : 044 - 2573 3322, 2573 3337
Fax : 044 - 2573 5736, 2573 3499

DATE: 08/12/2006.

TO WHOM SO EVER IT MAY CONCERN

This is to inform that; we have commissioned "**Bogie Furnace**" (Referance our order No: **TVTCPO/000078/0506**, dated 21/1/06) supplied by M/S Precon on 9/10/06 and it is working well as per our specification of 1165 °C

For CARBORUNDUM UNIVERSAL LTD.

A. Murugappan.

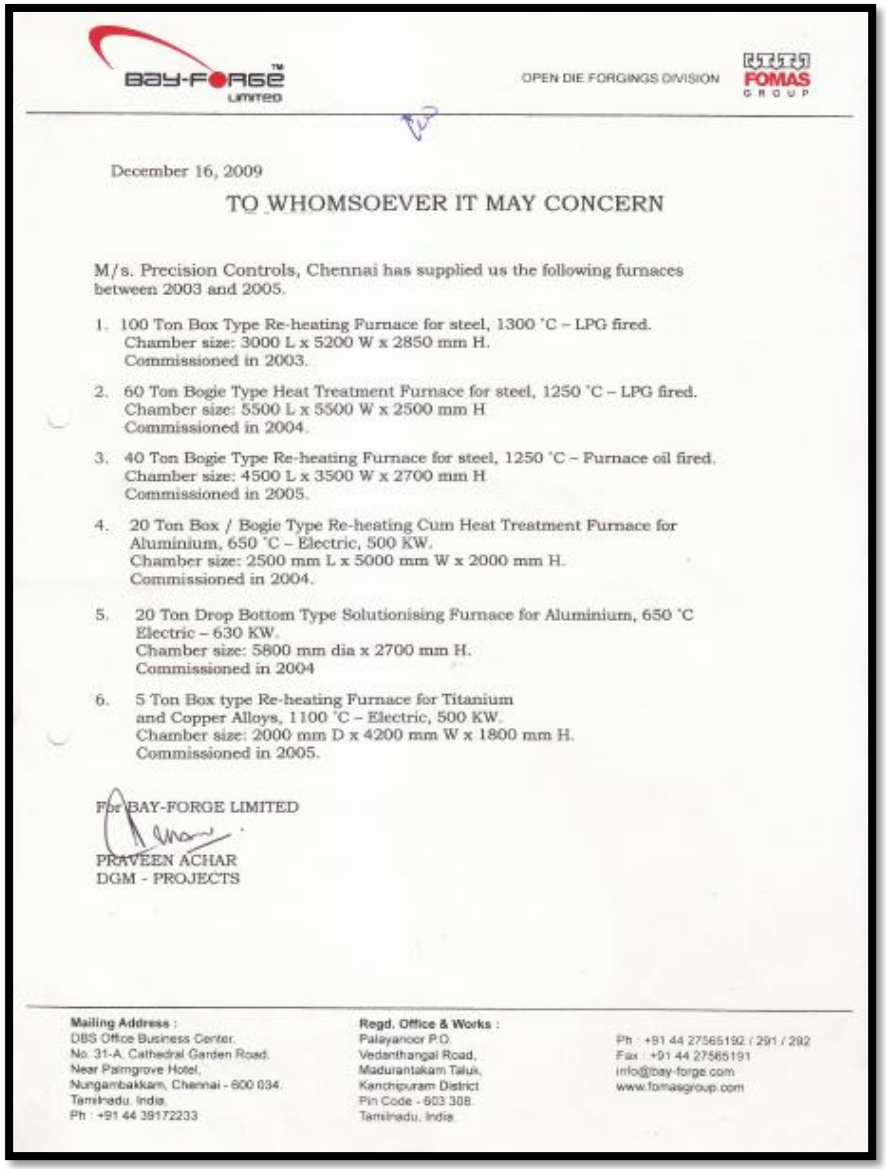
A.Murugappan.
Manager - Production.

MURUGAPPA GROUP

Regd. Office : "PARRY HOUSE", No.43, Moore Street, Chennai - 600 001.

www.cumiabrasives.com

Making Materials Work for Men



BAY-FORGE™ LIMITED

OPEN DIE FORGINGS DIVISION

FOMAS GROUP

December 16, 2009

TO WHOMSOEVER IT MAY CONCERN

M/s. Precision Controls, Chennai has supplied us the following furnaces between 2003 and 2005.

1. 100 Ton Box Type Re-heating Furnace for steel, 1300 °C – LPG fired.
   Chamber size: 3000 L x 5200 W x 2850 mm H.
   Commissioned in 2003.
2. 60 Ton Bogie Type Heat Treatment Furnace for steel, 1250 °C – LPG fired.
   Chamber size: 5500 L x 5500 W x 2500 mm H
   Commissioned in 2004.
3. 40 Ton Bogie Type Re-heating Furnace for steel, 1250 °C – Furnace oil fired.
   Chamber size: 4500 L x 3500 W x 2700 mm H
   Commissioned in 2005.
4. 20 Ton Box / Bogie Type Re-heating Cum Heat Treatment Furnace for Aluminium, 650 °C – Electric, 500 KW.
   Chamber size: 2500 mm L x 5000 mm W x 2000 mm H.
   Commissioned in 2004.
5. 20 Ton Drop Bottom Type Solutionising Furnace for Aluminium, 650 °C Electric – 630 KW.
   Chamber size: 5800 mm dia x 2700 mm H.
   Commissioned in 2004
6. 5 Ton Box type Re-heating Furnace for Titanium and Copper Alloys, 1100 °C – Electric, 500 KW.
   Chamber size: 2000 mm D x 4200 mm W x 1800 mm H.
   Commissioned in 2005.

For BAY-FORGE LIMITED

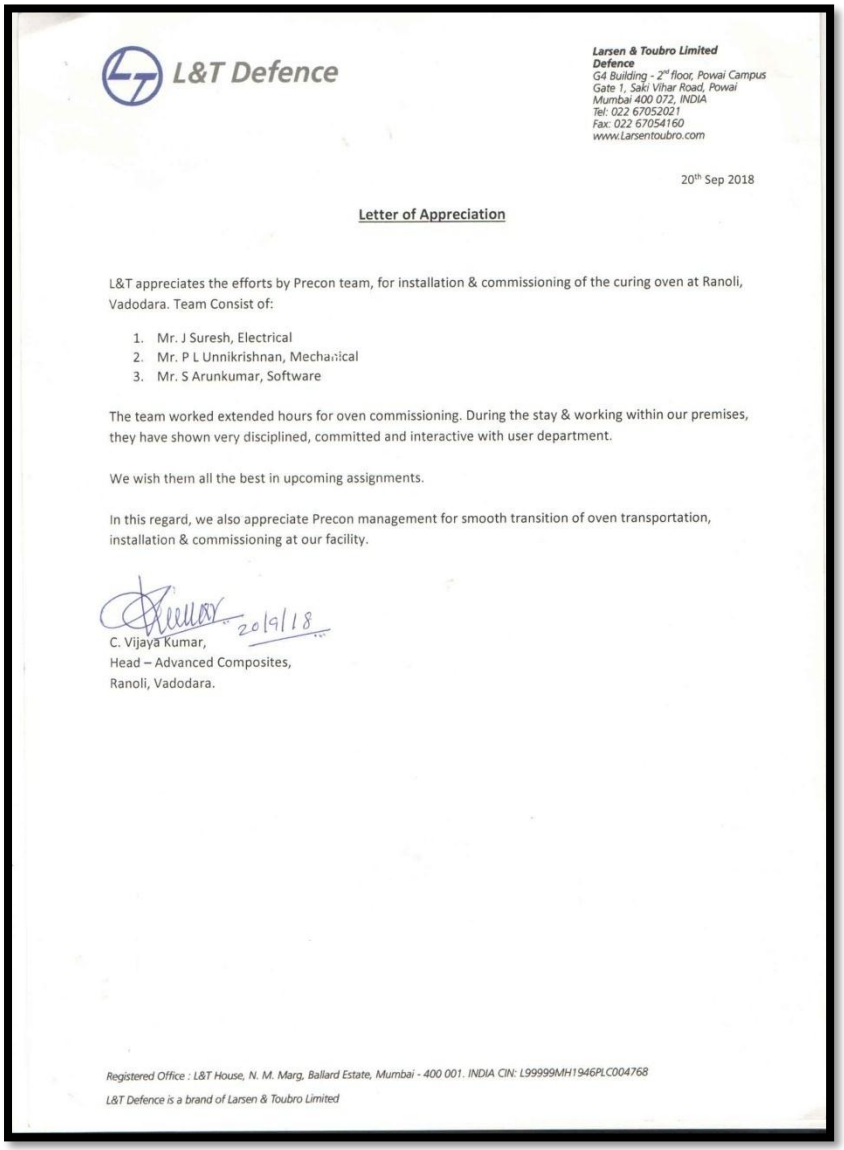
PRAVEEN ACHAR
DGM - PROJECTS

Mailing Address :
DBS Office Business Center,
No. 31-A, Cathedral Garden Road,
Near Palmgrove Hotel,
Nungambakkam, Chennai - 600 034.
Tamilnadu. India.
Ph : +91 44 39172233

Regd. Office & Works :
Palayanoor P.O.
Vedanthangal Road,
Madurantakam Taluk,
Kanchipuram District
Pin Code - 603 308.
Tamilnadu. India.

Ph : +91 44 27565192 / 291 / 292
Fax : +91 44 27565191
info@bay-forge.com
www.fomasgroup.com

APPRECIATION LETTER FROM SOME OF OUR REPUTED CUSTOMERS



L&T Defence

Larsen & Toubro Limited
Defence
G4 Building - 2nd floor, Powai Campus
Gate 1, Saki Vihar Road, Powai
Mumbai 400 072, INDIA
Tel: 022 67052021
Fax: 022 67054160
www.Larsentoubro.com

20th Sep 2018

Letter of Appreciation

L&T appreciates the efforts by Precon team, for installation & commissioning of the curing oven at Ranoli, Vadodara. Team Consist of:

1. Mr. J Suresh, Electrical
2. Mr. P L Unnikrishnan, Mechanical
3. Mr. S Arunkumar, Software

The team worked extended hours for oven commissioning. During the stay & working within our premises, they have shown very disciplined, committed and interactive with user department.

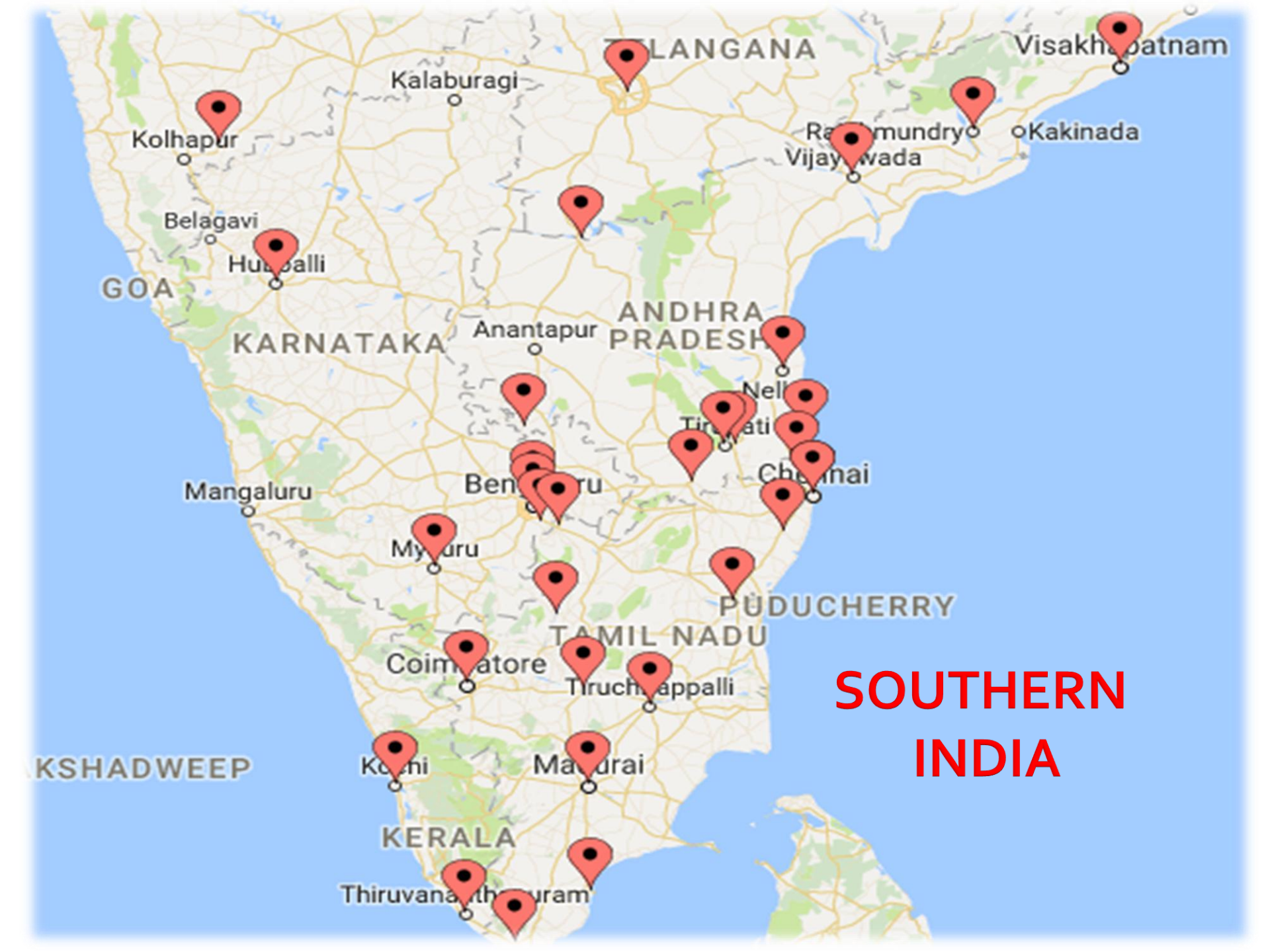
We wish them all the best in upcoming assignments.

In this regard, we also appreciate Precon management for smooth transition of oven transportation, installation & commissioning at our facility.

20/9/18

C. Vijaya Kumar,
Head – Advanced Composites,
Ranoli, Vadodara.

CUSTOMER SPREAD
(Across India)


TELANGANA
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Kalaburagi
Kolhapur
Rajahmundry
Kakinada
Vijayawada
Belagavi
Hubballi
GOA
KARNATAKA
ANDHRA PRADESH
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Tirupati
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Bengaluru
Mangaluru
Mysuru
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Jamnagar
Surat
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MAHARASHTRA
Kolhapur
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India
Chhindwara
Kalaburagi

CUSTOMER SPREAD
(Across Globe)


Finland
Iceland
Sweden
Norway
Russia
United Kingdom
Canada
Poland
Ukraine
Kazakhstan
Mongolia
France
Italy
Spain
United States
Turkey
China
Japan
South Korea
Nepal
Afghanistan
Bangladesh
Pakistan
Algeria
Libya
Egypt
India
Mexico
Mali
Niger
Sudan
Chad
Malaysia
Nigeria
Uganda
Venezuela
Colombia
DR Congo
Indonesia
Tanzania
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Bolivia
Namibia
Botswana
Madagascar
Chile
South Africa
Australia
North Atlantic Ocean
South Atlantic Ocean
Indian Ocean

Thank You

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