

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/5 93/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/9 83/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/9 99/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/1 085/PO/8874 DT.26.4.90	1991

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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	
10	Nuclear Fuel Complex, Uranium Oxide Plant,	Rotary calcination, reduction & stabilisation furnace	DPS/NFC/CAP/11087/PO /20-21/297 DT.20.08.2020	(under commissioning)
11	Nuclear Fuel Complex, IGCAR, Kalpakam	Rotary reduction furnace & water cooled rotary stabilisation unit	HRPU/NFC/CAP/11084/P O/20-21/293	(under manufacturing)

OUR CONTRIBUTION TO DEPARTMENT OF ATOMIC ENERGY

Sl. No	Customer Name	Description	Purchase Order No. & Date	Commissioned on
12	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
13	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
14	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/893 2/PO/95680 DT. 25.1.93	1993
15	DPS, Board of radiation and isotope technology	Glove box – 2 Nos. 1800 x 1800 x 1000 1800 x 1000 x 1200	IG/BRIT/ARALAR/RC G/906/1808/1120 DT 13.9.01	2002

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Sl. No	Customer Name	Description	Purchase Order No. & Date	Commissioned on
16	DPS,Bhabha Atomic Research Centre, Radio Mettallurgy 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
17	DPS, Bhabha Atomic Research Centre, Radio Mettallurgy 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

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Sl. No	Customer Name	Description	Purchase Order No. & Date	Commissioned on
18	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
19	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
20	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

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Sl. No	Customer Name	Description	Purchase Order No. & Date	Commissioned on
21	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/P O/8270 Dt. 12.1.98	1999
22	DPS (HRPU) NFC, HYDERABAD	SS Container – 5 Nos.	HRPU/NFC/FAB/283 8/XXV/1896/UOP DT 10.1.1995	1995
23	FACT, Udyogamandal	Electric Resistance heater rotary furnace		1994
24	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/106 9/PO/117386 dt. 23.12.96	1998

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Sl. No	Customer Name	Description	Purchase Order No. & Date	Commissioned on
25	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
26	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

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Sl. No	Customer Name	Description	Purchase Order No. & Date	Commissioned on
27	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
28	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
29	Bhabha Atomic Research Centre, Radio mettallurgy 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/P O/122646/PO/1273 05 DT.29.5.98	1999

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Sl. No	Customer Name	Description	Purchase Order No. & Date	Commissioned on
30	Bhabha Atomic Research Centre, Radio mettallurgy 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
31	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
32	Bhabha Atomic Research Centre, Radio Mettallurgy 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

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Sl. No	Customer Name	Description	Purchase Order No. & Date	Commissioned on
33	Bhabha Atomic Research Centre Radio Metallurgy Division Trombay, Mumbai – 85.	Multipurpose Rotary tubular Converter 10 Kg/hr Qty - 1 No	DPS/04/CPM/810/P O/132378 DT.25.2.99	1999
34	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
35	Bhabha Atomic Research Centre, Radio Metallurgy 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
36	Bhabha Atomic Research Centre, Radio Metallurg Division Trombay, Mumbai.	Glove Box Assembly - type II	RMD/FMS/99/625 DT.11.3.99	2000
37	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
38	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
39	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
40	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
41	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

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Sl. No	Customer Name	Description	Purchase Order No. & Date	Commissioned on
42	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
43	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
44	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

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Sl. No	Customer Name	Description	Purchase Order No. & Date	Commissioned on
45	Department of Atomic Energy	Glove box – 2 Nos. 1800 x 1800 x 1000	IG/BRT/ARACAR/RLG /9796/1096 DT 6.9.2001	2002
46	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
47	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	INITIAL PROCUREMENT QUANTITY	PRESENT QUANTITY (as on June, 2022)
ROTARY CONVERTORS				
1	NUCLEAR FUEL COMPLEX	1989	1 No.	20 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.	5 Nos.
6	INTERNATIONAL FERRATE LTD	2000	1 No.	2 Nos.
7	COSMO FERRATES	2003	1 No.	1 No.
8	IGCAR, KALPAKKAM	2021	2 Nos.	2 Nos.

SOME OF OUR PRESTIGIOUS INSTALLATIONS FOR NUCLEAR INDUSTRY

EQUIPMENT : ELECTRICALLY HEATED ROTARY KILN



Customer: Nuclear Fuel Complex, Hyderabad

Qty: 17 Nos.

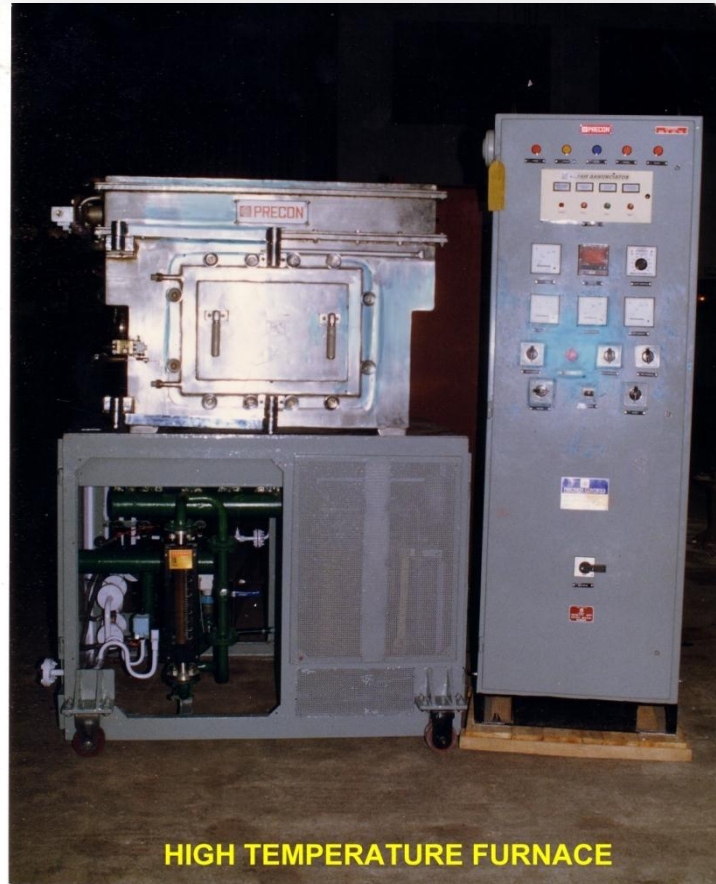
Capacity: 100Kg/Hr

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 ELECTRIC POWER TRANSMISSION INDUSTRY

ELECTRIC POWER TRANSMISSION 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.

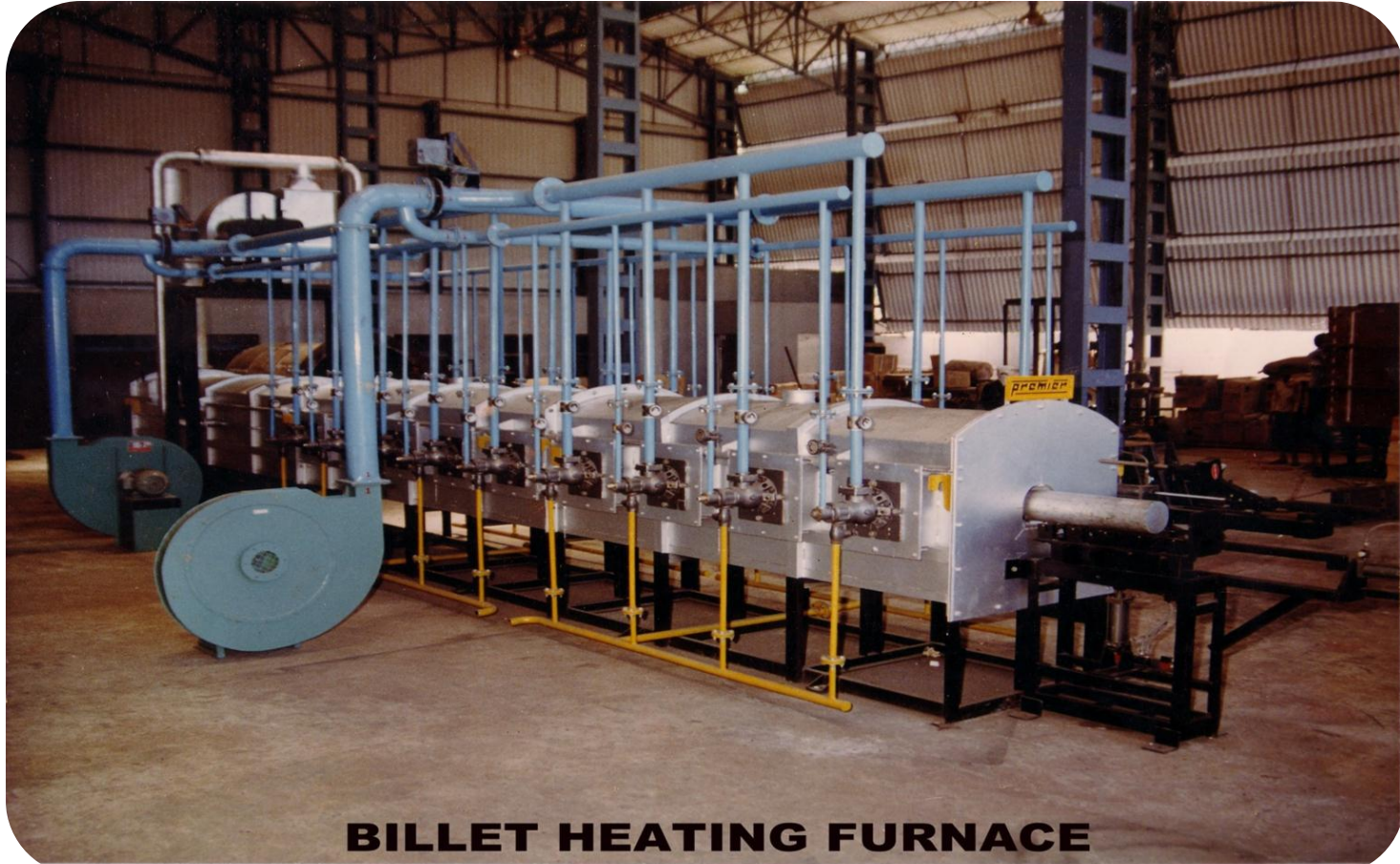
Size: 6500mm L x 1850mm W x 2000mm H

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