ISOTEX™

Isotex at its Best...

Profile

www.isotexglobal.com

SUSTAINABLE SOLUTIONS FOR ENERGY AND ENVIRONMENTAL CONCERNS

Enterprises have always faced the challenge of delivering high quality products and services at competitive rates and yet maintain the Profit margins. The CSR Initiative and Environmental Protection endeavors hold equal importance and more so in the current times.

The Eco-Friendly Technologies harnessed by Isotex offer reliable opportunities to meet these challenges head-on, at the same time maintaining your profit margins, protecting the environment, generating community goodwill by the way of reduced emissions, higher efficiencies, and purer work environment.

FACTSHEET

- **Established in the year 1978**
- **In house R&D**
- **10 design patents**
- **60000 m2 production area**
- **Annual production of 500 Boilers/Heaters**

40+
YEARS OF EXPERIENCE

40+
COUNTRIES

8000+
INSTALLATION BASE

Abous Us

Isotex is an internationally renowned thermal technology company that produces highly efficient low emission thermal oil heaters, steam boiler plants and combustion systems. The company harnesses its expertise through experience gained from 40 years of operations and 8000 installations throughout the world. As a testimonial to its capabilities, Isotex is repeatedly awarded as India's leading heater and boiler exporter by EEPC India.

With more than 8000 references worldwide, Isotex owns unique engineering know-how and has experience with an extensive fuel spectrum, including biomass and waste materials.

Milestones

1978

First generation entrepreneurs, Establish Isotex for manufacturing textile machinery & thermal oil heaters

1979

Development of new coal fired thermal oil heaters

1982

New manufacturing facility at Naroda (Ahmedabad)

2003

Development of new design high efficiency thermal oil heaters

2008

New production facility for large thermal oil heaters, New corporate house "Energy Center"

2013

ERK Eckrohrkessel Berlin

Technology tie-up with ERK EckrohrKessel Germany for boilers

2014

Commencement of Dahej Manufacturing works

2017

ISOTEX GLOBAL

International Subsidiary ISOTEX GLOBAL in Singapore

100+

FUEL EXPERTISE

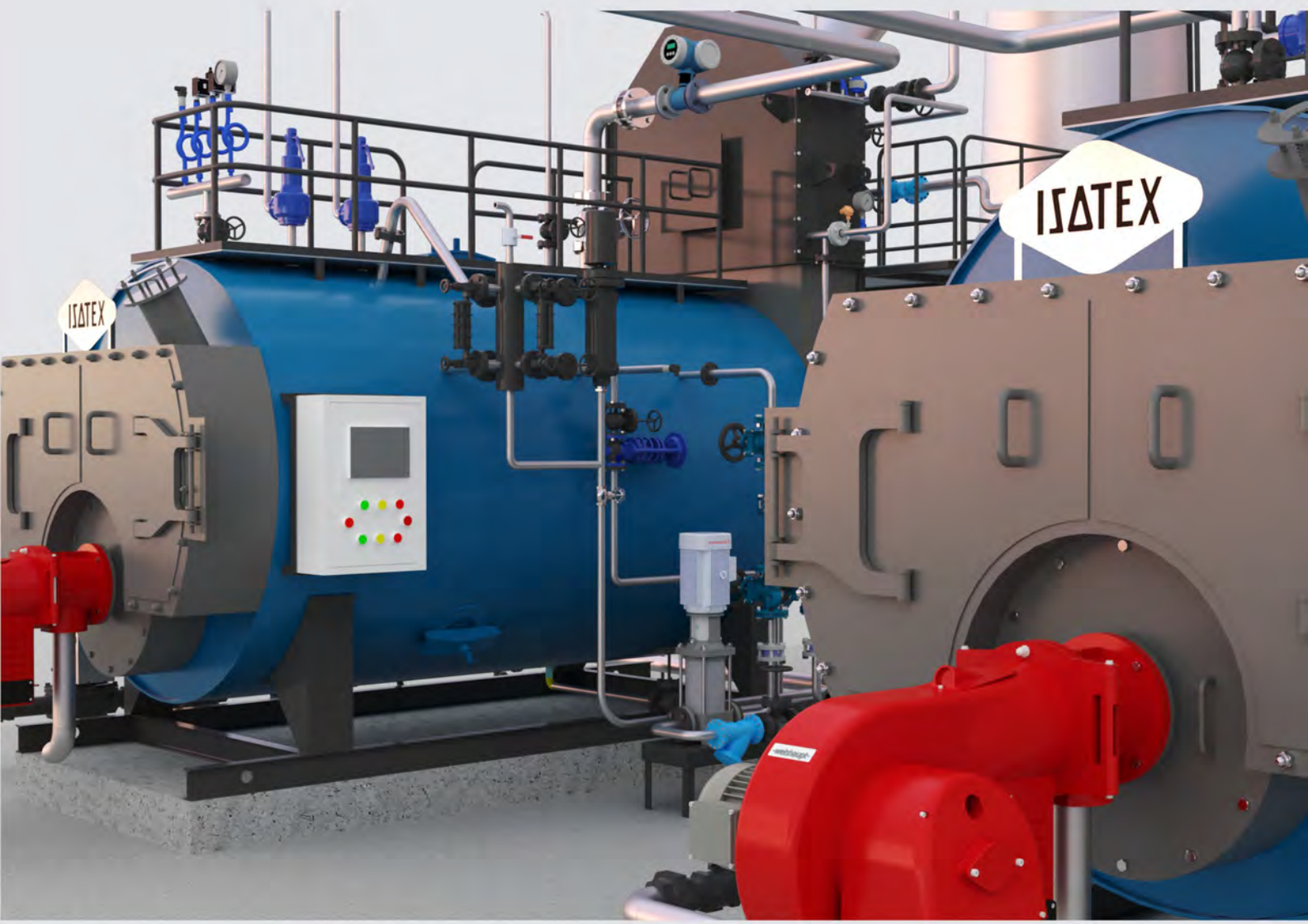
7500+ MW

REAL-TIME CAPACITY

EEPC INDIA STAR EXPORTER

India's leading exporter of boilers & heaters

Channel Products Group



500+

BOILER/HEATERS
ANNUAL PRODUCTION

150+

STANDARD MODELS

F!T SERVICE

24 x 7 HELPLINE
1800-889-2529

As a leader in heating solutions for last four decades, Isotex has been pioneering innovative solutions for a wide range of industrial heating applications. The company has scripted several innovations to support its clients starting with India's first, lignite fired thermic fluid heater way back in 1978. Today with over 8000 installations across the world, Isotex helps small and medium Industries to reduce energy costs.

On offer are packaged heating systems for process heating. Modular in construction, these are available in standard configurations, custom engineered for specific requirements also offered as turnkey boiler/heater island solutions.

Customer Benefits

- Advanced boiler systems at affordable prices.
- High thermal efficiency designs.
- Compact and low installations costs.
- Multi fuel fired heating solutions.
- Consultative application engineering to maximize energy utilization and slash fuel cost.
- Assured product quality through state of the art manufacturing facilities, quality management and factory acceptance tests.

Products for Wide Ranging Industries

- Steam boiler up to 10 TPH, up to 22 bar pressure fired on oil, gas & solid fuel (over 100 types of fossil & biomass)
- Thermal oil heaters up to 3 Gcal/hr, up to 300°C temperature on oil, gas & solid fuel
- Hot water generators up to 3 Gcal/hr, up to 170°C temperature on oil, gas & solid fuel
- Hot air generators up to 3 Gcal/hr & up to 160° temperature
- Engine exhaust driven standard heat recovery boiler modules
- Emission Control System-ESP (Electrostatic precipitator), Bagfilter, Wet scrubber, hurricane dust collector
- Boiler/Heater house accessories-Fuel handling, chimney, feed water tank, water softner, thermal oil valves etc.

Boiler & Heater Project Group

Customer Benefits

- Tailor made design to individual customer requirements.
- Experienced Project management team.
- Versatile technologies for coal & biomass combustion.

Heating applications for wide ranging industries

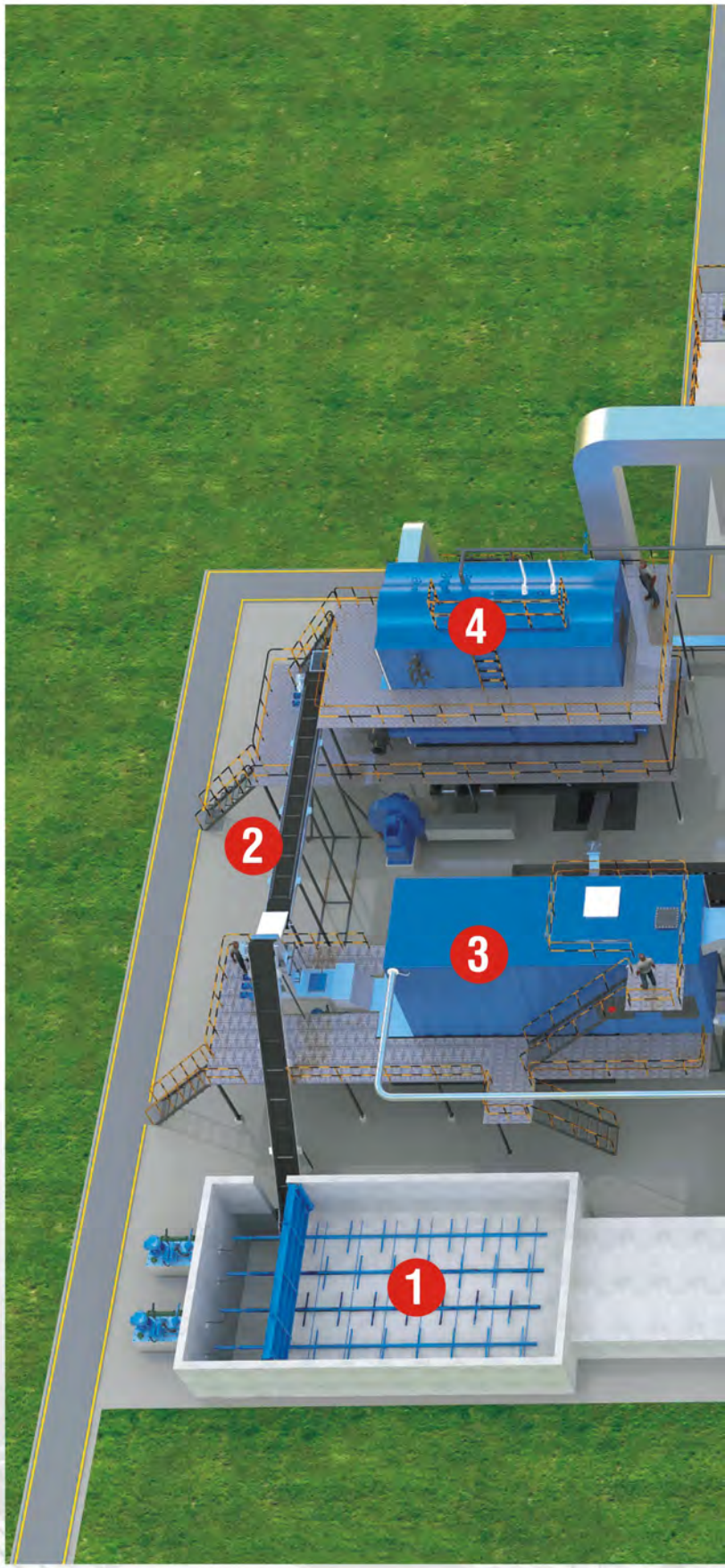
- Packaged boilers, up to 50 TPH capacity, pressure up to 100 bar on oil & gas fuels. (Low CV waste gases)
- Bi drum / single drum solid fuel fired water tube steam boilers up to 50 TPH capacity.
- High pressure boilers for process industries/cogeneration, up to 50 TPH capacity, pressure up to 100 bar on coal & biomass.
- Thermal oil heaters and vaporisers up to 25 Gcal/hr capacity up to 400°C temperature for indirect heating with thermal oil in liquid and vapour phase as heating medium fired on oil, gas & solid fuel (fossil and bio mass).
- Hot water generator up to 20 Gcal/hr capacity and 200°C temperature with fuel as oil, gas & solid fuel (fossil and biomass).
- Hot gas generator up to 20 Gcal/hr capacity and 350°C temperature on coal and biomass.
- Thermosyphon up to 6 Gcal/hr capacity and 300°C temperature with water as heating medium and using oil, gas, coal and biomass.
- Energy plants providing combined steam, hot gas thermal oil through common source using biomass/fossil fuels.
- Combustion systems : Fluidized bed, Dumping grate, Travelling grate, Reciprocating grate.

ENGINEERING PROCUREMENT & CONSTRUCTION TURNKEY PROJECTS

ISOTEX is capable of design, development and Installation of complete heating plant from scratch, start to finish on turnkey basis serving as single source vendor for the customers.

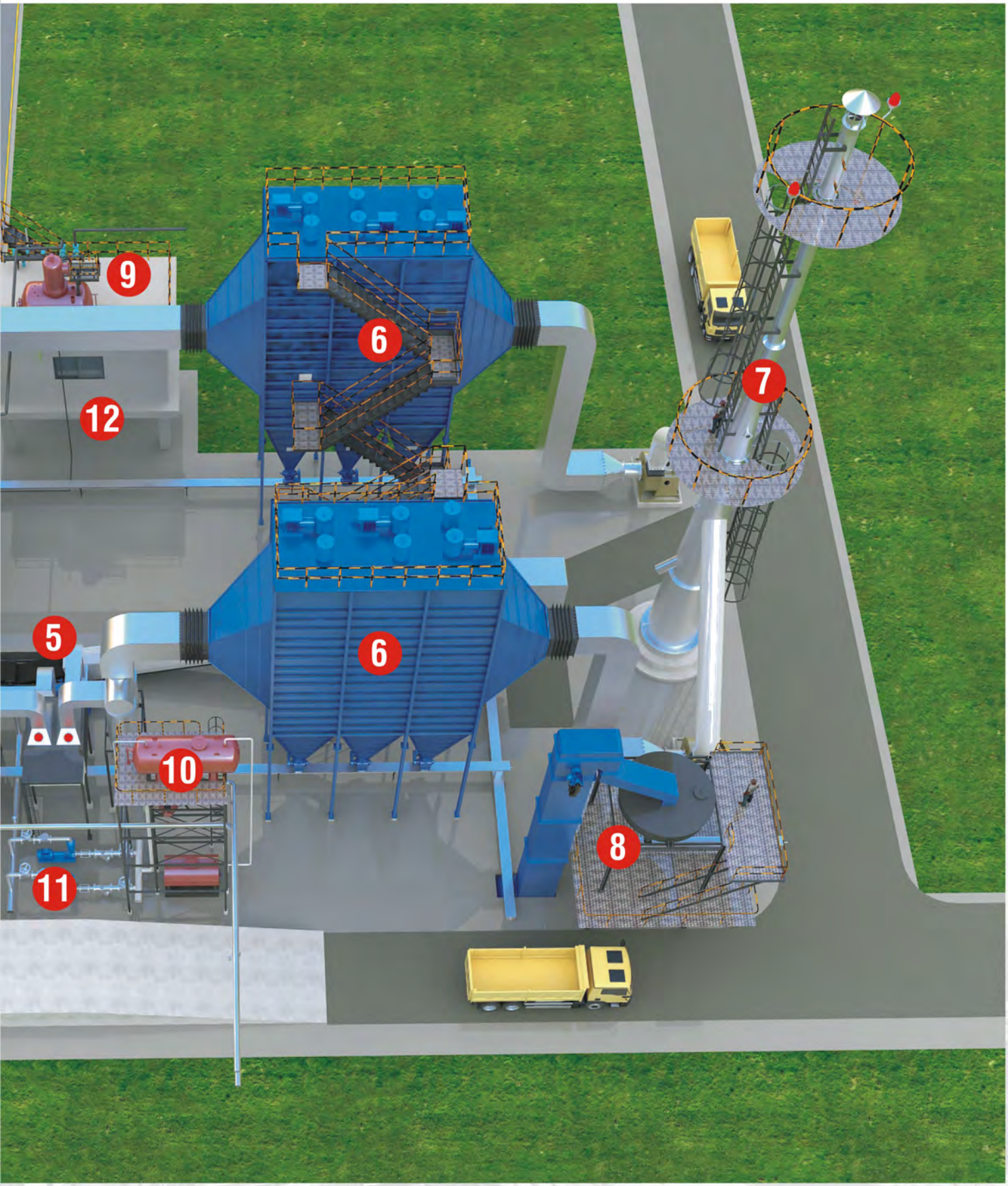
ISOTEX also under takes integrated cogeneration systems. Involving Simultaneous generation of multiple energy sources Viz. power, heating & cooling. ISOTEX cogeneration systems are specially designed to suit each individual application, to cater to its peculiar energy demand pattern.

ISOTEX has executed a number of EPC Boiler and heater plants across the globe. Our expertise in boiler and heater plants that use a variety of fuels along with proven track record and timely execution with world-class safety standards and reliable plant operation post-commissioning, makes us the preferred EPC partner.



1. Automatic moving floor fuel handling system
2. Fuel conveying and fuel dosing bin
3. Packaged high efficient thermal oil heater
4. Packaged high efficient steam boiler
5. Heat recovery unit
6. Pollution control equipment
7. Flue gas chimney
8. Automatic ash handling system
9. Feed water system dearator tank with feed water pump control system
10. Thermal oil expansion tank
11. Oil circulation system
12. Control room

TYPICAL BOILER / HEATER ISLAND



Worldwide References

COAL FIRED FBC THERMAL OIL HEATING SYSTEM

- **Heating capacity :** 10 Mkcal/hr
- **Operating temperature :** 330°C
- **Fuel :** Indian coal
- **Industry :** Polyester
- **Installation site :** Punjab, India

DOWTHERM HTM HEATER

- **Heating capacity :** 7.5 Mkcal/hr x 3
- **Operating temperature :** 335°C
- **Fuel :** Heavy Oil / Natural gas
- **Industry :** Polyester
- **Installation site :** Gujarat, India

BIOMASS THERMAL OIL HEATING SYSTEM

- **Heating capacity :** 4 Mkcal/hr
- **Operating temperature :** 280°C
- **Fuel :** Biomass, wood-waste
- **Industry :** Plywood
- **Installation site :** Punjab, India

COAL FIRED FBC WATER TUBE STEAM BOILER

- **Steam capacity :** 18000 kg/hr
- **Pressure :** 11.25 kg/cm2 (g)
- **Fuel :** coal
- **Industry :** Chemicals
- **Installation site :** Gujarat, India

FUEL OIL FIRED THERMAL OIL HEATER

- **Heating capacity :** 3 Mkcal/hr
- **Operating temperature :** 330°C
- **Fuel :** Heavy Oil / LDO
- **Industry :** Recycling
- **Installation site :** UAE

OIL FIRED STEAM BOILER

- **Steam capacity :** 8000 kg/hr
- **Pressure :** 17.5 kg/cm2 (g)
- **Fuel :** Diesel / kerosene
- **Industry :** Food
- **Installation site :** Gabon, Africa

BAGASSE FIRED HIGH PRESSURE THERMOSYPHON

- **Heating capacity :** 1 Mkcal/hr
- **Pressure :** 85 kg/cm2 (g)
- **Fuel :** bagasse / wood waste
- **Industry :** Edible oil
- **Installation site :** Uganda, Africa

COMPACT BIOMASS SOLID FUEL FIRED STEAM BOILER

- **Steam capacity :** 12000 kg/hr
- **Pressure :** 26 kg/cm2 (g)
- **Fuel :** Biomass
- **Industry :** Edible oil
- **Installation site :** Kenya, Africa

FUEL OIL FIRED THERMAL OIL HEATING SYSTEM

- **Heating capacity :** 0.7 Mkcal/hr x 2
- **Operating temperature :** 280°C
- **Fuel :** Diesel
- **Industry :** bitumen heating
- **Installation site :** Kuwait

DIESEL FIRED STEAM BOILER

- **Steam capacity :** 2000 kg/hr
- **Pressure :** 10.54 kg/cm2 (g)
- **Fuel :** LDO
- **Industry :** Hotel
- **Installation site :** Srilanka

HEAVY OIL FIRED STEAM BOILER

- **Steam capacity** : 9000 kg/hr
- **Pressure** : 21kg/cm2 (g)
- **Fuel** : Heavy oil
- **Industry** : Tyres
- **Installation site** : Telangana, India

COAL FIRED HIGH PRESSURE THERMOSYPHON

- **Heating capacity** : 1 Mkcal/hr & 2 Mkcal/hr
- **Pressure** : 85 kg/cm2 (g)
- **Fuel** : coal
- **Industry** : Edible oil
- **Installation site** : Gujarat, India

SOLID FUEL FIRED PRESSURIZED HOT WATER GENERATOR

- **Heating capacity** : 3 Mkcal/hr
- **Temperature** : 160 °C
- **Fuel** : coal / briquettes
- **Industry** : Food
- **Installation site** : Gujarat, India

OIL FIRED PRESSURIZED HOT WATER GENERATOR

- **Heating capacity** : 0.7 Mkcal/hr x 2
- **Temperature** : 125 °C
- **Fuel** : Heavy oil / Diesel
- **Industry** : Tank farm
- **Installation site** : Tamil Nadu, India

SOLID FUEL FIRED THERMAL OIL HEATING SYSTEM

- **Heating capacity** : 1.5 Mkcal/hr x 2
- **Operating temperature** : 280°C
- **Fuel** : coal
- **Industry** : Packaging
- **Installation site** : Indonesia

COMPACT COAL / FUEL OIL FIRED STEAM BOILER

- **Steam capacity** : 8000 kg/hr
- **Pressure** : 10.54 kg/cm2 (g)
- **Fuel** : coal / LDO
- **Industry** : Food
- **Installation site** : Myanmar

GAS FIRED STEAM BOILER

- **Steam capacity** : 1000 kg/hr x 2
- **Pressure** : 10.54 kg/cm2 (g)
- **Fuel** : Natural Gas
- **Industry** : Textile
- **Installation site** : Bangladesh

FUEL OIL FIRED THERMAL OIL HEATING SYSTEM

- **Heating capacity** : 0.3 Mkcal/hr x 2
- **Operating temperature** : 280°C
- **Fuel** : Gas
- **Industry** : Oil refinery
- **Installation site** : Australia

BIOMASS FIRED THERMAL OIL HEATER SYSTEM

- **Heating capacity** : 8 Mkcal/hr
- **Temperature** : 290°C
- **Fuel** : Plam shell/ Fibre
- **Industry** : Rubber gloves
- **Installation site** : Malaysia

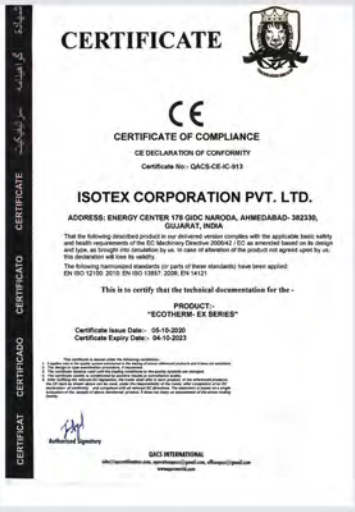
BIOMASS COMPACT STEAM BOILER

- **Steam capacity** : 10000 kg/hr
- **Pressure** : 17.5 kg/cm2 (g)
- **Fuel** : Coco shell, Palm kernel shell
- **Industry** : Food
- **Installation site** : Manila, Philippines

Manufacturing

Isotex manufacturing facilities are spread over 4 plants at various locations in Ahmedabad and Dahej.

Measuring total area of over 60,000 sq. mt, the facilities are ISO 9000 accredited. Isotex manufactures to International standards like ASME, BS, DIN and GOST, The facilities are inspected by Lloyds, bureau VERITAS, SGS and TUV, The plants are equipped with specialized machinery for light, medium and heavy fabrication, assembly and metallurgical testing for fired, unfired vessels, heat exchangers, boilers, heaters & pressure vessels.



CERTIFICATE

CE

CERTIFICATE OF COMPLIANCE

CE DECLARATION OF CONFORMITY

Certificate No:- QACS-CE-IC-913

ISOTEX CORPORATION PVT. LTD.

ADDRESS: ENERGY CENTER 178 GIDC NARODA, AHMEDABAD- 382330, GUJARAT, INDIA

That the following described product in our delivered version complies with the applicable basic safety and health requirements of the EC Machinery Directive 2006/42 / EC as amended based on its design and type, as brought into circulation by us. In case of alteration of the product not agreed upon by us, this declaration will lose its validity.

The following harmonized standards (or parts of these standards) have been applied: EN ISO 12100: 2010; EN ISO 13857: 2008; EN 14121

This is to certify that the technical documentation for the -

PRODUCT:-
"ECOTHERM- EX SERIES"

Certificate Issue Date:- 05-10-2020
Certificate Expiry Date:- 04-10-2023

Authorized Signatory

QACS INTERNATIONAL

CERTIFICAT CERTIFICADO CERTIFICATO CERTIFICATE

BSi British Standards SGS IBR

Ahmedabad Manufacturing

Dahej Manufacturing

Automated TIG welding Work Station for Uniform & Excellent quality of Weld Joints for tube-to-tube welding

Automated work station for highly accurate winding of coils. Automatic bobbin and roller setting through NC operation

Fully automated cutting station with plasma and oxyacetylene cutting

Fully automated submerged arc welding station for high quality of shell welding.

Heat treatment furnace, Inhouse heat treatment for stress relieving

Inhouse shot blasting facility to take care of rust & corrosion resulting in high quality of surface finish

Automated Membrane Panel welding line for uniform quality gas tight tube-fin-tube welding

Hydraulic bending of tubes- Automated Booster bending station for economizer bank for bending up to 1.2D diameter without ovality

Clientele

Reliance Industries Limited

9.5.2014

To whomsoever it may concern

M/s ISOTEX CORPORATION PVT LTD has supplied us one No. 7.5 MKcal / hr Pet coke based Thermic Fluid heater (Model - VVT-HF-7500 SPL) designed for 330 °c temperature for our PSF Plant of 270 TPD.

The fuel consumption and performance of unit is satisfactory and as per commitment made to us.

All technical queries and spares related issues are being resolved by M/s Isotex.

We are satisfied with the product and after sales service provided by M/s Isotex.

Authorized Signatory

Reliance Industries Limited,

Hazira Manufacturing Division.

SRF

TO ISOTEX CORPORATION AHAMDABAD

DATE= 22/May 2008

TO WHOM IT MAY CONCERN

THIS IS CERTIFY THAT YOUR SUPPLIED HOT OIL UNIT MODEL TK-300 SFL, SIDE FIRE WITH RELLO MODULATING BURNER, CAPACITY= 3 LAC/KcalHhr, OPERATING TEMP. 300 DEG CENT. WORKING SINCE 2003 TO RUNNING WITHOUT ANY TROUBLE AND SMOOTHLY. THE PERFORMANCE AND EFFICIENCY (85%) OF THE UNIT IS WORKING SATISFACTORY. THE ISOTEX CORPORATION SERVICE IS VERY EFFICIENT.

THANKING YOU

SRF LTD
CHEMICAL BUSINESS
SHIVADI (RAJASTHAN)

Raymond

Date : November 27, 2012

TO WHOMSOEVER IT MAY CONCERN

M/s. ISOTEX CORPORATION PVT.LTD has supplied us 20 lacs Kcal/hr. Thermic Fluid Heater for our Process House Plant in year 2012 for operating temperature upto 280° Deg C. The entire production is dependent on this heater only.Whatever the technical queries and spares related issues, we have been resolved without any undue follow up. The fuel consumption and performance of unit found satisfactory and as per commitment made to us.

We are very happy for their quality product and commitment towards after sales service.ISOTEX CORPORATION PVT.LTD is one of our very few preferred vendors and we wish them to flourish widening their custom based day by day.

FOR RAYMOND LIMITED

Authorized Signatory

Gokul AGRO RESOURCES LTD

Date : 23/09/2014

To whomsoever it may concern

M/s ISOTEX CORPORATION PVT LTD has supplied us 10 lac Kcal/ hr Coal fired Thermosyphon high pressure system for our Edible Oil Refinery plant.

We are very happy for their quality product and commitment towards after sales service.

ISOTEX CORPORATION PVT LTD is one of our very few preferred vendors and we wish them to flourish widening their custom based day by day.

Authorized Signatory,

Gokul Agro-Resources Ltd

Dist : Kutch - Gujarat

N.K. Proteins Private Limited

Date : 05/04/2014

To whomsoever it may concern

M/s ISOTEX CORPORATION PVT LTD has supplied us 12 lac Kcal/ hr Coal fired Thermosyphon high pressure system for our Edible Oil Refinery plant.

The fuel consumption and performance of unit is found satisfactory and as per commitment made to us.

We are very happy for their quality product and commitment towards after sales service.

ISOTEX CORPORATION PVT LTD is one of our very few preferred vendors and we wish them to flourish widening their custom based day by day.

Authorized Signatory

(Kamlesh Patel)
Executive Director
NK Proteins Pvt Ltd

Nandolfa Organic Chemicals Pvt. Ltd.

PERFORMANCE CERTIFICATE

To,

M/s Isotex Corporation Pvt. Ltd.
Ahmedabad

It is to certify that M/s Isotex Corporation Pvt. Ltd. has supplied and commissioned as cost Model VGLH-4500 (50 % FO/HSD/LDO) Fluidised Bed unit 10 to 6 KG/Hr/SQ.MR., capacity, on Sebcoxide coal.

Unit is working satisfactorily and giving performance as per commitment made to us.

ISOTEX CORPORATION PVT LTD is one of our very few preferred vendors and we wish them to flourish widening their custom based day by day.

Thanks.

Authorized Signatory

Danoo TEXTILE PROCESSING CO.

PERFORMANCE CERTIFICATE

To,
M/s Isotex Corporation Pvt. Ltd
Ahmedabad

This is to certify that M/s Isotex Corporation Pvt. Ltd. has supplied and commissioned unit Model EcoHoc CS-HF-800, Coal Fired Steam boiler, Capacity 8000 kg/hr (10.54 kg/cm2), in year 2019.

Unit is working satisfactorily and giving performance as per commitment made to us.

Thanks.

Danoo Textile Processing Co.

Authorized Signatory

NOBLE

Noble Agro Food Products Pvt. Ltd.

Date : 29/10/2020

PERFORMANCE CERTIFICATE

To,
M/s Isotex Corporation Pvt. Ltd
Ahmedabad

This is to certify that M/s Isotex Corporation Pvt. Ltd. has supplied and commissioned unit MODEL- VZ-HF-HWP-3000 PRESSURIZED HOT WATER GENERATOR 3 lakh Capacity 30 Lac/Kcal/Hr. and 160 Deg. C Temperature , on Cristbal Briquettes and Indonesian coal.

Unit is working satisfactorily and giving performance as per commitment made to us.

ISOTEX CORPORATION PVT LTD is one of our very few preferred vendors and we wish them to flourish widening their custom based day by day.

Thanks.

Authorized Signatory

PALAK

Date: 08/10/2020

PERFORMANCE CERTIFICATE

To,

M/s Isotex Corporation Pvt. Ltd
Ahmedabad

This is to certify that M/s Isotex Corporation Pvt. Ltd. has supplied and commissioned unit Model EcoHoc Fluidised bed 20000 kg/hr capacity, pressure 20 kg/cm2(g) on Indonesian coal.

Unit is working satisfactorily and giving performance as per commitment made to us.

ISOTEX CORPORATION PVT LTD is one of our very few preferred vendors and we wish them to flourish widening their custom based day by day.

Thanks.

Authorized Signatory

GOKULANAND PETROFIBRES

Date : 06.12.2012

To whomsoever it may concern

M/s ISOTEX CORPORATION PVT LTD has supplied us 2 Nos 10.0 Mn Kcal/ hr HTM heaters on saturotherm for our polyester plant. The entire production is dependent on this unit/s only.

Whatever the technical queries and spares related issues, are being resolved without any undue follow up. The fuel consumption and performance of unit is found satisfactory and as per commitment made to us.

We are very happy for their quality product and commitment towards after sales service.

ISOTEX CORPORATION PVT LTD is one of our very few preferred vendors and we wish them to flourish widening their custom based day by day.

Authorized Signatory,

Anupam Acharya

Plant Head.

aarvee DENIM AND EXPORTS LTD.

(GOVT. RECOG.EXPORT HOUSE)

Date:- 13/08/2012

To Whomsoever it may concern

M/s ISOTEX CORPORATION PVT LTD had given us 30 Lac Kcal/ hr TBC Thermic Fluid heater/s/e plant. The entire production is dependent on this heater only.

Whatever the technical queries and system related issues, we have are being resolved without any undue follow up. The fuel consumption and performance of unit found satisfactory and as per commitment made to us.

We are very happy for their quality product and commitment towards after sales service.

ISOTEX CORPORATION PVT LTD is one of our very few preferred vendors and we wish them to flourish widening their custom based day by day.

Authorized Signatory,

Reliance Industries Limited
Growth is Life

Amul
The Taste of India

ITC Limited

Zydus
dedicated to life

NK Proteins

Raymond

LARSEN & TOUBRO
It's all about Imagineering

wipro

PATANJALI®

PEPSICO

BHEL

ADANI

Vardhmān

RUBAMIN

TOTAL

UFLEX

wilmar

ALFA LAVAL

SRF
Making our nation proud.

Olam

Gulf Petrochem
Towards New Horizons

PRAN-RFL GROUP

中粮国际
COFCO INTL

Dabur

Yellow Diamond®

...for a future of quality

ISOTEX are world-famous specialists in boiler and heater systems of all size and performance classes

ISOTEX™

ISOTEX CORPORATION PVT LTD
ISOTEX PROJECTS PVT LTD

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