



## **Corporate Overview**

URJA THERMAL  
SOLUTIONS PRIVATE LIMITED

Thermal Solutions With  
Quality and Reliability!



Urja Thermal Solutions established in 2008 Having corporate office in Mumbai, India.

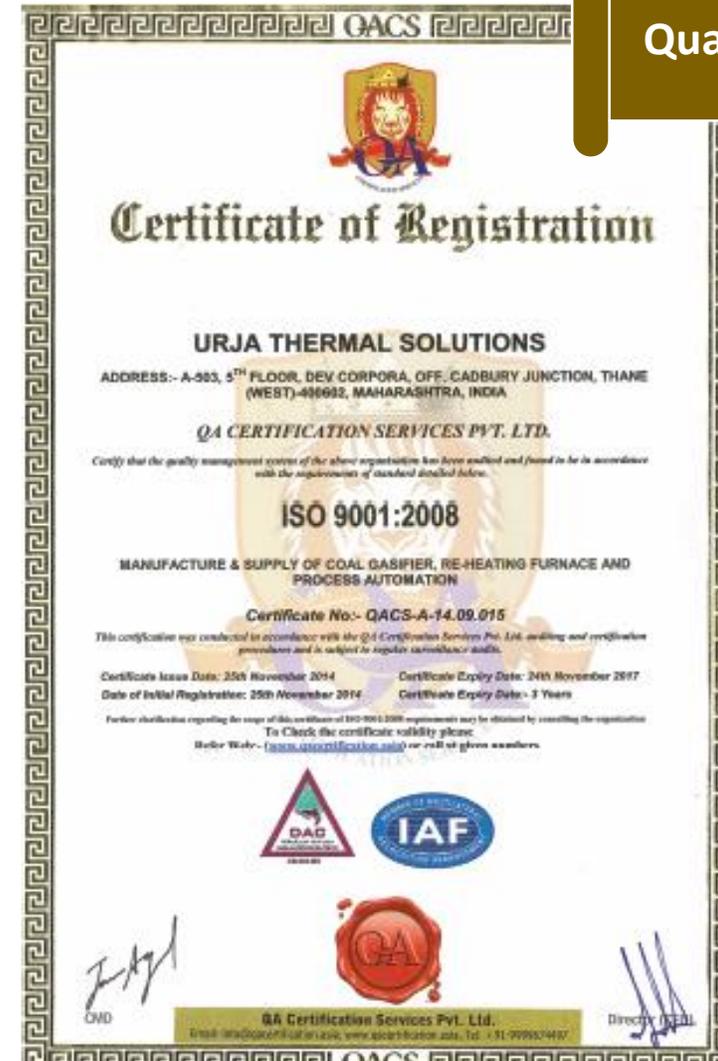
Urja Thermal is a prominent company engaged in the Manufacturing, Exporting and supplying industrialized equipment.

We have a state-of-the-art infrastructure that helps us in assuring smooth and flawless production.

Our sophisticated manufacturing unit is well-equipped with all the latest machinery and equipment.

We keep on upgrading our designing and manufacturing facilities as per the latest developments

ISO certified for Quality Assurance



Being a front runner in Gasification Sector, we never compromise on quality and are committed towards delivering a high quality product.

**Parameters on which we check our products are:**



Our products survive in both domestic and overseas markets.

Our products are favorably appraised by clients.

Repeat orders from clients endorse our product quality and services.

Gasifiers

Reheating Furnaces

Industrial Burners

Electrostatic TAR Separator

Vertical Shaft Kiln

Electric Control Panel

Hot Air Generators

Ladle Preheater

Actuator Servo Valve

Leak Proof Butterfly Valve

Pinch Roller

Industrial Blower

Industrial Dampers

Hydraulic Products

Thermocouples

We hold expertise in offering our customers a wide range of Gasifiers that find application in all types of Furnace. These are backed by latest process technology support as well as latest fabrication standards so as to deliver in these optimum application usage values.

- **Coal Gasifier:** We have installed a state-of-the Art plant wherein we had setup a battery of 4 gas plant [each 9000kW] and supplying the gas to three different applications.
- **Biomass Gasifier:** It can convert the solid biomass, such as, wood, wood-waste, corn wastes, coconut shell, rice husks, agriculture residue, etc. into the clean combustible gas (producer gas).
- **Multifuel Gasifier:** We are engaged in offering Multifuel Gasifier to the customers. The Multifuel Gasifier is manufactured from high-quality components.
- **Producer Gas Plant (Hot Gas):** We are engaged in manufacturing and supplying of Hot Gas producer plant for various applications.



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We offer various type of reheating furnaces ranging from a small capacity to a large capacity of reheating furnaces.

- **Rotary Hearth Furnace:** Urja RtHF is tested on different parameters to assure their flawless quality and widely used for different industrial applications.
  - Attributes: Robust construction, Reliable performance, Long service life, Less maintenance
  - Uses: For heating parts that are too large to be handled or those, which would be difficult or impossible to load or unload.
- **Walking Beam type Re-Heating Furnace:** Precision engineered range of high quality Walking Beam type Re-Heat Furnace in made available in a variety of designs for our customers to choose from.
- **Pusher type Re-Heating Furnaces:** Our customers can choose from a wide range of custom made Pusher type Reheating Furnaces.



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URJA burners are widely used because of their quality performance, functionality and simplicity in use. Durability, simplicity in use and negligible maintenance defines our products better. The category encompasses:

- **Gas Fired/Producer Gas Burner:** Urja gas fired burners are widely used for their durability & low maintenance. We design these burners as per client's specific requirements like Automatic, semi-automatic gas burners.
- **Oil fired Burner:** We are engaged in manufacturing wide range of Oil Burners in standard and customized specifications. We offer oil burner, which consumes less energy and easy to maintain.
- **Dual Fuel Burner:** We offer Dual Fuel Burners that is designed for exclusive usage in industrial purposes.



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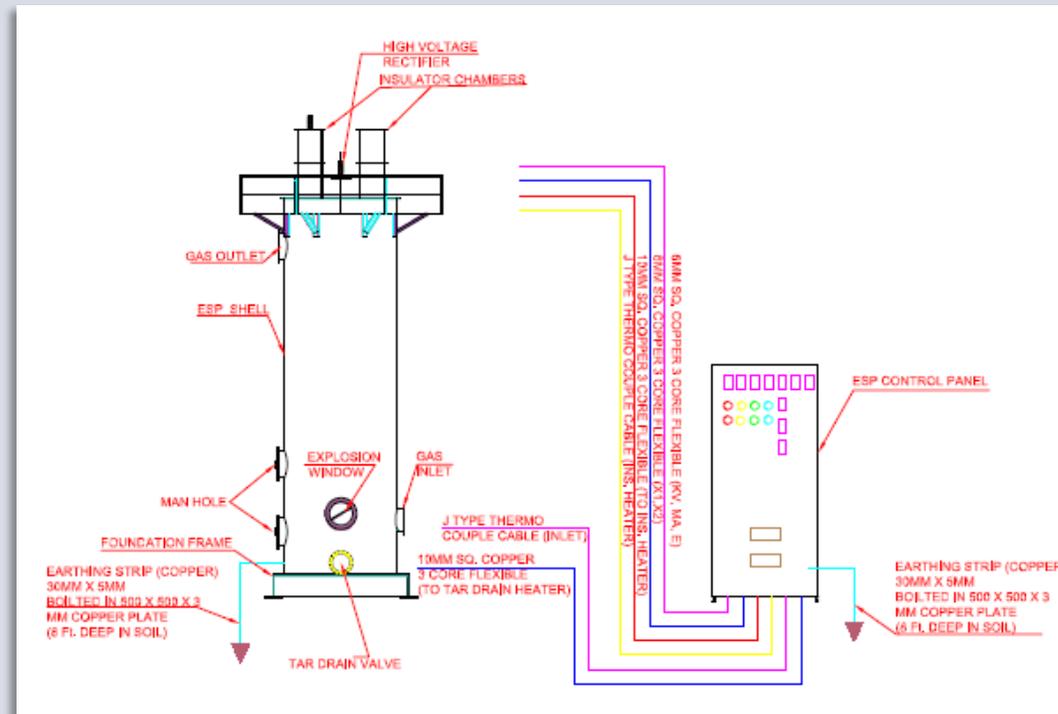
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Thermocouples

We are offering advanced gas cleaning system (ETP), which is **electrostatic precipitator** or **tar separator**. This is a particularly a collection of device which is used to eliminate particles from a flowing gas with the help of force of an induced electrostatic charged. Our system is highly efficient.



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When simplicity, lower capital investment and easy maintenance are the main issues, Urja vertical shaft kiln is the right kiln. Numerous fuels such as coke, coal, gas, oil, as well as other alternative fuels are combusted using different types of burner or charging systems. Production capacities varying from 50 to 500 tpd are achieved.

### Features:

- Different plant sizes available (50 tpd, 65 tpd, 75 tpd, 100 tpd and so on)
- Low capital investment
- Fuel efficient technology
- Use of alternative fuels



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We are engaged in providing well-designed Electric Control Panel. Our Electric Control Panel is manufactured from reliable components that are procured from reliable vendors. We check our Electric Control Panel on different parameters under the supervision of our experts. The Electric Control Panel can be availed at competitive prices from us.

### Attributes:

- Well-constructed
- Smooth operation
- Reliable
- Easy to maintain



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UTS offer different designs of hot air generators. Features of the Urja hot air generators are: easy operation, minimal maintenance, optional recirculation system to improve overall thermal efficiency high level of safety in operation, thus greater reliability fully automatic burner control and temperature control.



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Customers can avail from us a range of ladle pre heaters that are designed in various configurations and specifications. We design these products in both horizontal and vertical designs

### Features:

- Robust construction
- Controlled combustion
- High efficiency through heat recovery
- Short cycle time for pre heating
- Less fuel consumption
- Custom built & energy efficient.
- Easy operation and low maintenance
- Oil fired or gas fired ladle preheaters



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We have been successful in producing top class cast steel butterfly valves. Our butterfly valves are sturdy, durable, easy to use and have low maintenance cost.



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We are engaged in offering our clients with pinch rollers that are widely used in steel industries. Our range is highly appreciated for its features like abrasion resistant and hardness. Primarily used for ejecting iron from processing unit, our range is widely demanded in the industry. We offer these rollers in varied dimensions and sizes so that our range can exceed the expectations of our clients.



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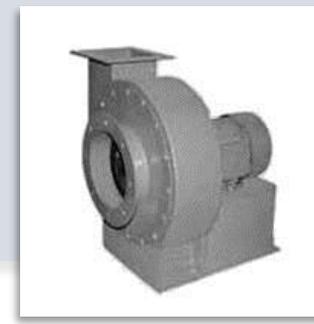
Hydraulic Products

Thermocouples

We bring forth a comprehensive range of Industrial Blowers for the customers. Our Industrial Blowers are manufactured from high-grade components. The Industrial Blowers are tested on the basis of different parameters under the supervision of our experts. The Industrial Blowers are in match with the international standards. Our Industrial Blowers assures long lasting and reliable performance. The Industrial Blowers are provided in a range comprising of Booster Blower and Centrifugal Blower. These Industrial Blowers find wide application in different types of industries.

**Booster Blower:** We bring forth well-constructed Booster Blower for the customers. The Booster Blowers are manufactured from high-grade components and parts. The Booster Blower is tested under stringent quality parameters to ascertain the durability and quality. Our Industrial Booster Blower assures reliable performance for a long time.

**Centrifugal Blower:** We are specialized in providing well-designed Centrifugal Blower to the customers. The Centrifugal Blower is manufactured using technologically advanced machinery. The Centrifugal Blower is suitable for applications that require high pressure. Our Centrifugal Blower assures powerful performance and durability.



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We are actively engaged in offering Industrial Damper to the customers. Our Industrial Damper is manufactured using technologically advanced machinery. Our Industrial Damper is in compliance with the international standards. The Industrial Damper is used for proper control of the airflow with good efficiency. We can customize the Industrial Damper to match up with the needs of the clients.

#### Attributes:

- Corrosion resistant
- Efficient
- Durable
- Reliable performance

#### Used In Industries Like:

- Cement
- Chemical
- Steel



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Our Hydraulic Products are manufactured from high-grade components. The Hydraulic Products are tested on different parameters to assure their flawless quality. Our Hydraulic Products are in sync with the international standards. We have garnered high appreciation for the efficiency of our Hydraulic Products. Our range of Hydraulic Products comprise of Hydraulic Cylinder and Hydraulic Power Pack. Our Hydraulic Products are provided at market leading prices to the clients.

**Hydraulic Cylinders:** We offered Reliable & well-designed Hydraulic Cylinder to the customers. The Hydraulic Cylinder is designed to match the requirements of the clients. Used for diverse industrial applications, our Hydraulic Cylinder is high on demand in the market.

**Hydraulic Power Pack:** Our Hydraulic Power Pack is manufactured using high-grade components. The Hydraulic Power Pack is used in diverse industrial applications to assure smooth and trouble free operation. Our Hydraulic Power Pack is in sync with the international standards.



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We are actively engaged in offering Industrial Thermocouples to the customers. The Industrial Thermocouples are manufactured while maintaining high quality standards. The Industrial Thermocouples are designed with perfection. Our Industrial Thermocouples are in tune with the international standards. Owing to their optimum quality and durability, our Industrial Thermocouples are high on demand in the market.

### Types:

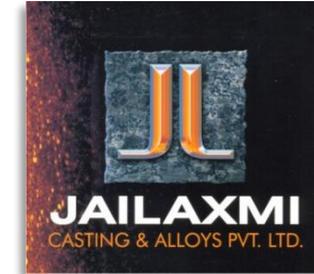
- J
- K
- R
- S
- T
- E

### Used In:

- Furnaces
- Kilns
- Gasifiers



# Our Valued Clients





**WESTERN METAL INDUSTRIES PVT. LTD.**

251/1A & B Hadapsar Industrial Estate, Hadapsar, Pune - 411 013, INDIA  
Phone : +91 - 20 - 26870164 Fax : +91 - 20 - 26870454  
E-mail : western@westernaluminium.com  
Web : www.westernaluminium.com



**To whom so ever it may concern**

We hereby state that we are using Updraft Coal Gasifier plant since May 2008 , supplied by M/s URJA THERMAL SOLUTIONS - Mr. Sanjay Sharma , for our Continuous Aluminium melting and casting process and we did not find any adverse effect of producer gas on our finished product.

We are satisfied with the services provided by them as and when required and wish them good wishes for their further venture.

For Western Aluminium Industries Pvt. Ltd.

  
Prashant Shah  
Director,  
24/03/2010



**JINDAL SAW LTD.**

Date 05.01.2011

To whomsoever it may concern

This is to certify that M/s Urja Thermal Solutions has supplied us 2 nos. Coal gas plants for our heat treatment furnaces. These gas plants are commissioned and running successfully.

The performance of the Gas plant is satisfactory and achieved the desired results.

We wish all the best to Urja Thermal for their endeavor in supply of indigenously made Coal Gas Plant.

For Jindal Saw Limited,

  
V.S. Konnur

Jt. Managing Director

## Our contact details

**Corporate Office** : 503, 5th Floor,  
Dev Corpora, Cadbury Junction,  
Thane (west) - 400602

**Registered Office** : 141, 1<sup>st</sup> FLR., Lodha's  
Boulevard Mall,  
Thane [West] - 400601

**Contact Person** : Mr. Sanjay Sharma [CEO]

**Mobile** : +91 9819882270  
+91 9769782270

**Phone Number** : 022-25368563

**E-mail** : [info@urjathermal.in](mailto:info@urjathermal.in)  
[urjasystems@gmail.com](mailto:urjasystems@gmail.com)

**Website** : [www.coalgasifier.net](http://www.coalgasifier.net)

