



PLASMA

INDUCTION (INDIA) PVT.LTD.

Evolution
of Perfection

Evolution of Perfection

About The Company

- Plasma Induction, has been a leading developer and provider for Induction Heating, Melting, Hardening and Special Equipment's in the Indian and International market.
- Started the journey in 2012 with more than 120+ Qualified Team members, we have positioned ourselves as a HIGH-QUALITY & PRECISE INDUCTION EQUIPMENT manufacturer.
- Taking utmost care, products are designed with efficiency to cater to our customers, and that is why the customer satisfaction rate is almost 98% & sales have increased drastically.



Vision

— To Stay Ahead in the Global Competition

At Plasma Induction, there's a vision to stay ahead in the GLOBAL COMPETITION to design and manufacture the world class quality induction equipment by continually adopting the **Cutting-Edge Technologies** and Improving services that satisfactorily accomplishes needs of customers from different industry verticals.



Mission

- Satisfactory and Cost-Efficient Services with Quality Products

At Plasma Induction, there's an aim to proffer complete satisfactory and cost-efficient services to the customers by persistently improving the 'services', 'quality of products' and 'technology' with modern times and trends and using PROFOUND EXPERTISE OF PROFESSIONALS.



Values



The Growth Story

Established
in 2012

2012

2014

More than 10 Products developed, design and successfully run in the market by 2014

From starting focus on research & development till 2014, we benchmarked with highest efficient products with superior quality

2015

1st export order successfully executed by 2015

2017

Started getting 1st large order in 2017

2016

More than 500 Customers along with associates with plasma induction by 2016 satisfied by the company's products and services

2018

Our team of experts crossed the mark of 100 by end of 2018

2019

Established with high quality equipment and infrastructure with proper system and processes in 2019

2020

Awarded 1st Govt. Project from Ordinance Factory in 2020

Group of Companies



Castomech Technology



New Star Infotech

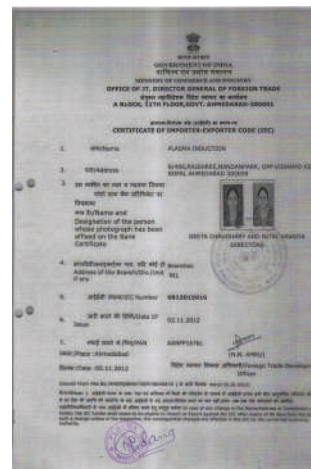


Xitiz Technomech LLP

Certificates



ISO Certificate



Import Export Certificate



CE Certificate

Awards & Accolades



SME Empowering
India Awards 2018



Vibrant Gujarat 2017



Leadership Award 2017



Industria Kolhapur 2016



GST award



MSME



Quality Mark Award

Core Team



Mr. Ketan Vavaiya

Director

Founded Plasma Group

Qualification:

Complete B.E Power Electronics
from Saurashtra University in 2005.

Experience:

Technical Support Team for Drives
at Amtech Electronics.

Work with Aditya Birla Nuvo Group as A Project
Development Design & Development On IGBT
Technology in Furnace Manufacturing Company.



Mr. Harshad Chaudhari

Director

Founded Plasma Group

Qualification:

Complete B.E Power Electronics
from Saurashtra University in 2003.

Experience:

Design Engineer at Integrated Automation,
Ahmedabad.

Lead The Customer Support Team at
Reputed Furnace Manufacturing Company.



Mr. Kaushik Dhanani

Director

Associated with Plasma Induction
since its foundation

Qualification:

Complete B. E mechanical from
L.D.College of Engineering at Ahmedabad.

Experience:

Production Engineer At
Trumac engineering Co.Pvt Ltd.

Lead The Production Team
Furnace Manufacturing Company.

Dedicated Team of **200+ People**

Directors of Plasma Induction (India) Private Limited are
Geeta Harshad Chaudhari and **Nitalben Ketankumar Vavaiya.**

Infrastructure

Within a short timespan, we have got the recognition of high-quality Induction equipments not only in the Indian ring but also globally in the international markets as well. We have made sure they choose and manufactured the components according to the demand and prerequisite of the customers.



We have set up our manufacturing units in **Kalol district of Gandhinagar, Gujarat**. To further consolidate its prominent position, the Corporate office set up with an assembling office at **316, Shivalik Satyamev, Iskon-Bopal Cross Road, Nr. Vakil Saheb Bridge, Bopal Ahmedabad-380058** with a developed state of the art infrastructure facility here. All over the years, we have intentionally developed their new offices and joined new innovation in assembling interaction. This has upgraded, with improved ability to diversify products with top notch quality and at the same time helped divide into various offices for management and administration purposes.

The plant joins contemporary creation, quality control, and the executive strategy. At the same time in the research and development cell- ever energetic specialists persistently try to bring out esteemed clients, best in class, solid and quality items apart from providing customized solutions. Keeping in mind the inputs from the clients, the engineers also upgrade the existing product range. The company hopes to serve the customer needs proficiently and solve all enquiries in this regard.





Mr. Mayur Suhagiya
Perfectionist
Sales Melting Division



Mr. Vikas Saini
Chief
Sales Heating Division



Mr. Harshad Rathavi
Backbone
Engg. Heating Division



Mr. Uday Chauhan
Relief
Engg. Melting Division



Mr. Hardik Khant
Energetic
Sales Heating Division



Mr. Bhautik Ranparia
Prudent
Sales Heating Division



Mr. Chirag Rupapara
Innovator
Engg. Heating Division



Mr. Sachin Prajapati
Calm
Production



Mr. Vipul Parmar
Asset
Finance



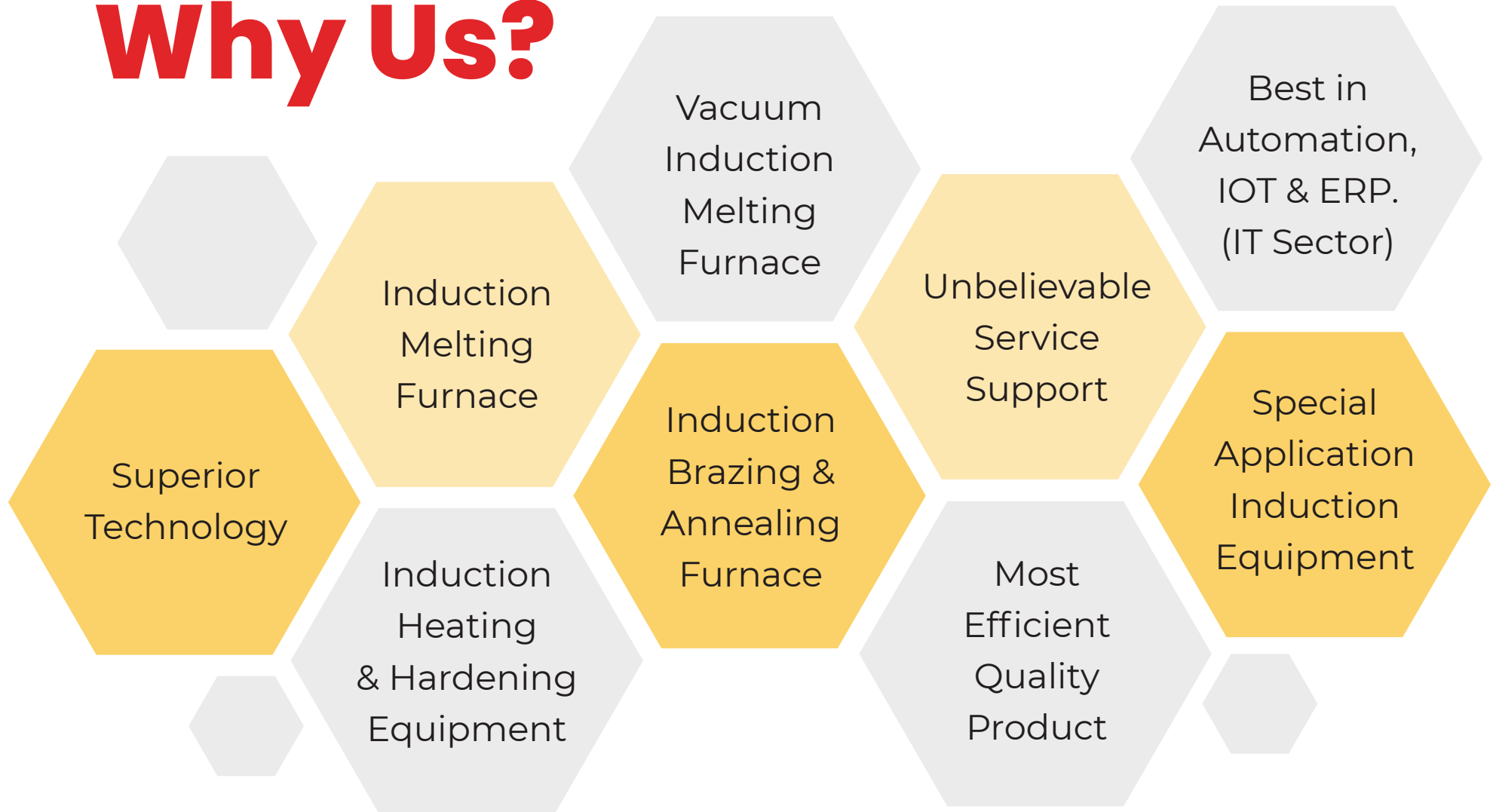
Mr. Sandip Panchal
All In One
Inventory management

Our Team Of Experts —

As an organisation the belief is that the employees are the biggest asset. Our team of experts consists of highly experienced, proactive and energetic specialists who are not passionate about their work but have an aim to give the utmost satisfaction of service to our customers.

Our team comprises experienced, talented, and motivated Engineers, Technocrats, Technicians, Quality Controllers, Supervisors, Administrators who anticipate each challenge with enthusiasm and are prepared to meet your evolving needs.

Why Us?



Major Clients



Client **Testimonials**



I am impressed with your induction billet heaters for 250KW and 450KW in the year 2014 and 2017 and also thank you for Plasma Induction for services and support. I'll recommend Plasma Induction Company.

Sumangal Forgings
Rajkot



Our first time to place an order with Plasma Induction for 150KW (2Nos) and 350KW (2nos) of induction billet heater in the year 2013, 2014 and 2018 and we are very satisfied with the services and flexibility. Thank you for the better services and support.

Perfect Forgings
Punjab



First time our company placed an order with Plasma Induction for 550KW/1KHz WITH 500KG & 750KG Crucibles of induction melting furnace in the year 2017. We are getting proper results as per the commitment made and equipment is utilized with concept, and reduced space requirement and energy efficiency. We are satisfied with the performance of the equipment.

IH Castings
Belgaum

INDUCTION HEATER

Plasma induction provides a fully IGBT based Induction Heater with 7th Generation Voltage fed series inverter topology. And it gives a best more than 3kg / KW productivity. Safety Interlocks. Special Feature of Unity power factor, Negligible Scale loss, Uniformity Control, Compact Modular Design.

Induction billet heater with Modular design with individual zone control to optimize higher productivity and minimize electricity cost to heat the billet. High efficient filter circuit with Full Bridge Soft start converters.

Machines are with latest automation features like inline Production monitoring and energy monitoring system, predefined program recipe /Die recipe. Zero starting drop out, auto hold fraction of job temperature in minor breakdown of forging line, cold start function, Interlock E Manual with picture and location to minimize breakdown time.

Plasma induction offer various type of handling mechanism for billets and bar like infeed tractor drive mechanism, pinch roller mechanism, dual motorized pinch roller mechanism, stepper conveyor mechanism, fully automatic billet loader, ramp loader with hydraulic pusher mechanism, pneumatic pusher with V guide mechanism for lighter weight billet, walk in beam type mechanism for heavy, automatic long bar feeding mechanism, bowl feeder and customized mechanical handling system.

Plasma induction are offering advance system for quick coil changing and remove cold billet from coil like automatic coil empty mechanism to empty coil and reduced drop out of billets, auto/manual coil shuttle mechanism for quick changing of coil, exit job shuttle mechanism to reduced temperature losses of hot billet.



INDUCTION HARDENING MACHINE

Plasma induction provides IGBT and MOSFET based series resonant power topology-based induction heaters. Accessories of Ball screw, LM rail, X-Y mechanism, Coil moving or Job moving mechanism, Lift & rotate mechanism, pick & place Mechanism. With features of Energy monitoring system, data logger for each cycle SCADA system with recipes.

Scan masters are provided with appropriate mechanical handling system for hardening of components like H frame type job moving and coil moving mechanism, Lift & Rotate mechanism, pick & place Mechanism. Plasma induction is offered as a single spindle and dual spindle vertical /horizontal scanner with single station and dual station handling system as per customer requirements to increase productivity of components with enhanced utilization of manpower. All the mechanical handling systems are designed with 2 time safety margin with S.S grade material for longer life, it also increases the durability of the machine.

Power supply design with uniform and precise heat control to archive required case depth and hardness of components. Machine are equipped with latest control of PLC /CNC with HMI to control the machine parameter according to customer requirements.

Power supply design with uniform and precise heat control to archive required case depth and hardness of components. Machines are equipped with the latest control of PLC /CNC with HMI to control the machine parameters according to customer requirements.

Scan master are design with latest automation feature and interlock like customized program recipe, power supply parameter monitoring system, energy monitoring system, job rotation and scanning speed monitoring system, quenching water flow and temperature monitoring system, auto door closing system, interlock E-Manual with Picture, fault history, D.M water temperature monitoring system with all power supply and process parameter monitoring and interlocking.



INDUCTION MELTING FURNACE

We are offering 100% Solid state modified advance 7th Generation IGBT based modular inverter with precise power control for better power efficiency, accuracy, and quick power pickup. Automatic power demand controller with customised automation which are compute to match industries 4.0.

Power supply unit Encloser built from heavy duty 2.5 mm thick Mild steel sheet with single welded body structure with powder coating. Heavy duty HOT-POT with suitable capacity with manual as well as Hydraulic Tilting mechanism with precise control by flow control valve. De-mineralised Water circulation unit with Plate Type heat exchanger with neoprene rubber gasket, multi-stage water pump (S.S Body) with I3 type efficient motor to get better performance in water circulating with low power consumption.

We are serving to best quality & efficient equipment to foundry industries, steel plant, rolling plant, aluminium extrusion plant, brass and copper parts manufacturing industries, special alloy manufacturer, silver & gold melting, and many more applications globally.

We are offering vacuum melting Furnace for special alloys with communication with robots & SCADA system to data aquasim with temperature monitoring, energy monitoring etc.



Special Application

01) STRIP HEATING

We are counted amongst the foremost manufacturers, exporters and suppliers of a broad range of Induction Strip Heating Equipments. Our offered heating machine is engineered under the surveillance of our diligent professionals using topmost quality components and innovative technology in compliance with the set industry standards.

02) INDUCTION BRAZING & SHRINK FITTING

Induction Brazing is a process in which two or more materials are joined together by a filler metal. Our Induction Brazing / Welding equipments are targeted to provide heat to very small areas within tight production tolerances of your requirement. Only those areas of the part within close proximity to the joints are heated; the rest of the part is not affected.

- Selective heating
- Better quality joints
- Reduced oxidation and cleaning
- Fast heating cycles

03) PIPE BENDING & PIPE HEATING

Our aim is to provide a high quality service to the offshore, petrochemical, power generation and general pipe-work markets with our Advanced and fully automated Induction Pipe Bending machines.

- Precise bending radius and angle
- No pipe wrinkles.
- Reduced oxidation or de-carbonization due to instantaneous heating.

Group of Companies



- Plasma induction manufacturing of induction furnace in various application
- Induction Melting Furnace
- Induction Heating System
- Induction Hardening System



- Xitiz technomech LLP manufacturing of vacuum furnace.
- Vacuum sintering furnace for powder metallurgical process.
- Vacuum heat treatment furnace.



- Castomech manufacturing of foundry equipment like.
- Compaction table
- Knock out system
- Pneumatic conveyor
- Castomech sand mixer



- New Star InfoTech engaged in the ERP software development like, web applications, web designing, software solutions & advertisement and other.

Customer Support

As an organisation the belief is that the employees are the biggest asset. Our team of experts consists of highly experienced, proactive and energetic specialists who are not passionate about their work but have an aim to give the utmost satisfaction of service to our customers.



Contact us

For more details you can contact us:

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