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An Inductotherm Group Company, USA



- Established on 16-Oct-1998
- Wholly owned subsidiary of Rowan Technologies, USA



Leading Manufacturers of Melting, Thermal Processing & Production Systems for the Metals & Materials Industry Worldwide.

Commercial building at the heart of the city



Leading Manufacturers of Melting, Thermal Processing & Production Systems for the Metals & Materials Industry Worldwide.

Why Pune city in India

20 mins



3 hours

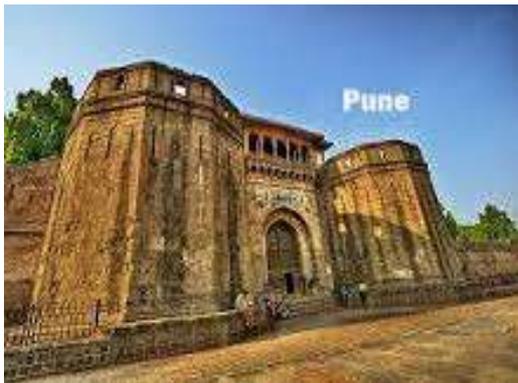


Summer
38 - 40 deg. C

Winter
5 - 10 deg. C



Pune



Pune... Education

- Pune University
- Oxford of the east
- Oldest University
- 110+ Engineering colleges
- 45,000 Engineers / year
- Intellectual Capital of India



Fully furnished air-conditioned office



Certified network & designed for back office work



Leading Manufacturers of Melting, Thermal Processing & Production Systems for the Metals & Materials Industry Worldwide.

Uninterrupted power (100% generator back-up)



Multipoint Video Conference Facility



Inductotherm Group Pune has been offering



- Engineering Services
- Software Development Services
- IT enabled Services
- Global Field Services
- Equipment Sourcing Services
- Engineering Animation Services



Leading Manufacturers of Melting, Thermal Processing & Production Systems for the Metals & Materials Industry Worldwide.

Services – Mechanical & Structural Design

- Complete mechanical & structural design of equipments, machinery and supporting mechanisms
- Preparation of detailed drawings and bill of materials
- Ability to perform per International Standards like (Not limited to)
 - American
 - Indian
 - Chinese
 - Japanese
 - European
 - Korean
 - Indonesian

[IGP-Engineering Presentation.MP4](#)

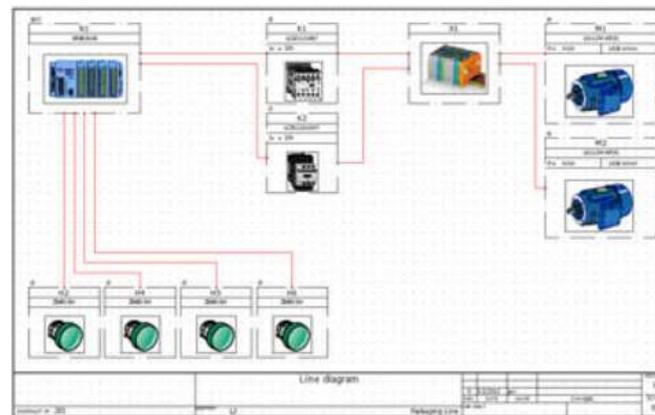
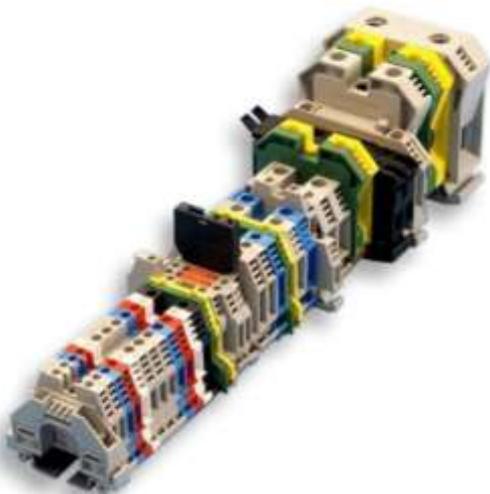
Services – Piping Design

- Design and preparation of detailed drawings
- Bill of materials for all types of piping systems
- Ability to perform per International Standards like (Not limited to)
 - American
 - Indian
 - Chinese
 - Japanese
 - European
 - Korean
 - Indonesian

[IGP-Engineering Presentation_MP4](#)

Services - Electrical Design

- Electrical system design
- Preparation of single line diagrams
- Electrical and PLC panel designing
- Technical specification along with bill of materials
- IEC, NEMA, British and Indian standards



Services - Automation & Controls



- Services offered (Automotive)
 - Hardware Design
 - Software Design
 - Cabinet and control Station Procurement
 - Supervision of Installation
 - Start up and Commissioning
 - Training
 - Production Support
 - Offline Robot Programming
 - Online Robot Programming

[IGP Automation & Controls Presentation.MP4](#)

[IGP Automation & Controls Presentation.PPT](#)



Leading Manufacturers of Melting, Thermal Processing &
Production Systems for the Metals & Materials Industry Worldwide.

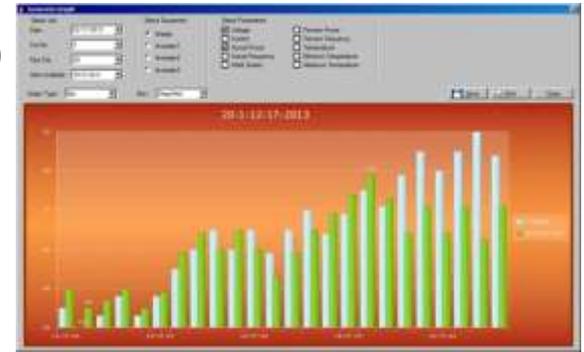
Services - Automation & Controls

■ Hardware Design

- Electrical Circuit Design for Automobile (BIW)
- Circuit Design in Eplan 5.7
- Component Selection
- Cabinet and Control Station Layouts
- Bill of Material
- Terminal Layouts
- Installation Diagrams

[IGP Automation & Controls Presentation.MP4](#)

[IGP Automation & Controls Presentation.PPT](#)



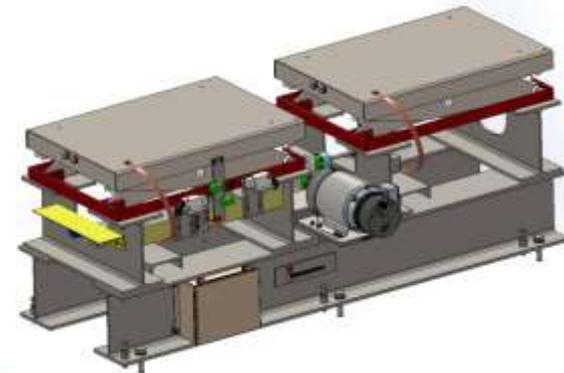
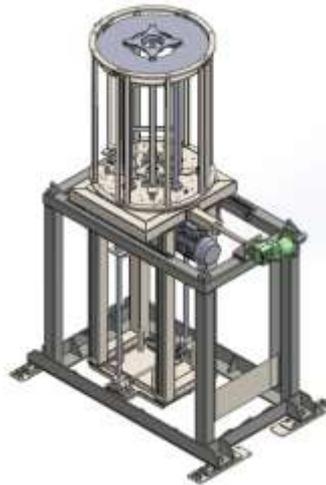
Services - Foundry System



- Complete engineering, design, programming & commissioning of Control Systems for Foundry Equipments like pouring systems, melting systems and energy monitoring systems
- Panels: Design and commissioning of Control, Power and MCC panels.
- Field Instrumentation: Design, selection and installation of Temperature, Pressure, Flow, level, etc sensors and transmitters, Control valves
- PLCs: Allen Bradley-SLC 500, PLC 5, Control Logix, Siemens S7 300, S7 1200.
- VVF Drives - Allen Bradley, Siemens, ABB, SEW, Yashakawa.
- HMI/SCADA Factory Talk View, WinCC, Ignition.
- Bus Systems – Control Net, Device net, Ethernet, DH+, Rio, Profibus.
- Inductotherm Automatic pouring system pressure pour and tundish, melt minder, ARMS.

Services – Solid Modelling

- Complete design and modelling by using latest softwares:
 - Equipments
 - Machinery
 - Bought out items (motors, pumps, fans, bearing, valves)
 - Piping systems
 - Complete structural platforms



INDUCTOTHERM
GROUP PUNE

Services - Software Development

[IGP-Software-Skillsets.PPT](#)

[IGP-Software-Skillsets.PDF](#)



- Operating Systems
 - Windows
- Microsoft Technologies
 - VB
 - VC++
 - VB.NET
 - ADO (Data access technologies)
 - Microsoft Office Automation
- Databases
 - MS SQL Server
 - Oracle



Services - Software Development

[IGP-Software-Skillsets.PPT](#)

[IGP-Software-Skillsets.PDF](#)



- Java Technologies
 - Core Java
- Internet Technologies
 - IIS (Internet Information Server)
 - ASP (Active Server Pages)
 - HTML
 - JavaScript, VBScript
- IBM Platform
 - Lotus Notes Programming



Leading Manufacturers of Melting, Thermal Processing & Production Systems for the Metals & Materials Industry Worldwide.

Services - Software Development

[IGP-Software-Skillsets.PPT](#)

[IGP-Software-Skillsets.PDF](#)



- Application developed
 - BILMAT (Bill of Material – Automation)
 - [Drawing Automation Software](#)
 - Customer Service Software
 - Return Material Authorization Software
 - Document Generation Software
 - [Proposal Generation Software](#)
 - Chronometer
 - [HRIMSONline](#)
 - Integration of Heterogeneous Application

Services - Engg. Animation

[Engg. Animation Demo Reel](#)

- Design and development of 3D Animations and Walkthroughs by using latest software and techniques
- Engineering application involving
 - Mechanical Movements
 - Processes



Services – Translation

- We offer translation of technical and engineering documents like:
 - Engineering Specifications
 - Bill of Materials
 - CAD Drawings
 - Catalogues
 - Installation Manuals
 - Safety Manuals
 - User Guides etc



Services – Equipment Sourcing



- Development of vendors for
 - Heavy fabricated equipments
 - Heat exchangers
 - Structural platforms
 - Precision machined components
 - Assemblies and Sub Assemblies
- Establish procurement / Inspection / QAP / manufacturing processes inspection services
- Import export clearance and formalities
- Establishment of Letter of Credit, bank guarantees, negotiation of documents
- Liaison with Government Agencies, Banks, Insurance Companies and other statutory agencies
- Co-ordination with Third party inspection like SGS, Lloyds etc.

[IGP Sourcing Presentation MP4](#)

[IGP Sourcing Presentation PPT](#)



Leading Manufacturers of Melting, Thermal Processing & Production Systems for the Metals & Materials Industry Worldwide.

Services – Field & Support



- We offer:
 - Supervision of installation and start-up services
 - Testing and calibration services
 - Create operations and maintenance of manuals
 - Conduct customer training
 - Perform acceptance tests and documentation



Leading Manufacturers of Melting, Thermal Processing & Production Systems for the Metals & Materials Industry Worldwide.

Services – Legacy System



- Conversion of old manual drawings, bills of material, training/operations manual to internationally accepted electronic formats.

Mag. Brkr. (1) 1200A DI/DT React. (4) C-11565 Filter Cap. (4) AR-317
 3 Ph. Bridge (1) D-8171 Pri. Cap. (4) 19L566 Diode Assy. (4) A596?C
 SCR Panels (2) D-12577-1 SCP Assy. (Fe) (4) C 712PD Cur.Lim. React. (1) A-2913
 SCP Assy. (Non) ()

METERS:

Make: Weston Size 5.5 3000/5 CT1 400/5 CT2

KW 0-900 RL 750 Freq. 0-2000 RL 1200

TANK CAP. COMPONENTS:

Output Trans. TT 3200-123 Cap. Contactors (7) c

Tank Caps. (3) 19L598 Unit Step: 33 ufd/s/

Fce. Sel. Sw. (4) DPBT Positions 1 & 2 Exi

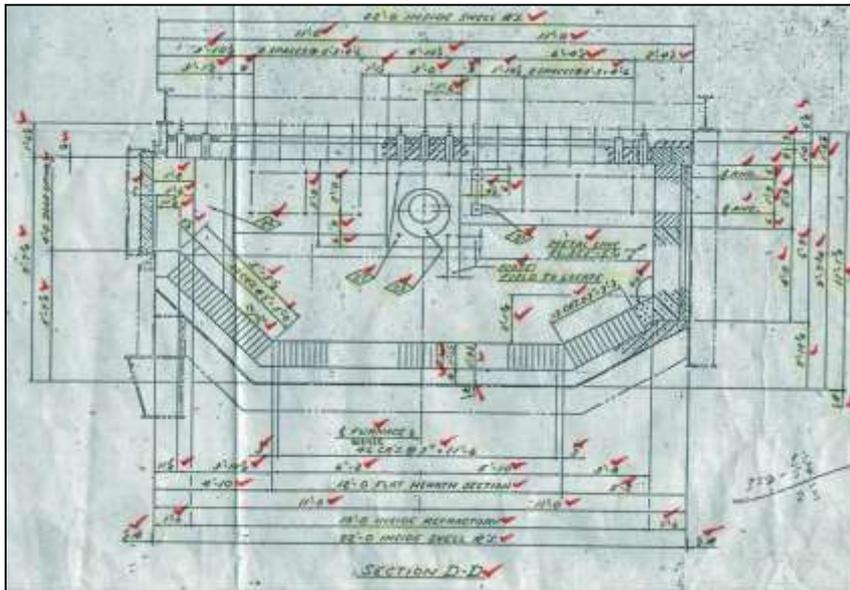
750 KW	1.2 KHZ	882 KVA	1108 Amps, 460V, 3 Ph., 60 Cycle
Cabinet:			
Size: 144 x 90 x 30 Painted: HAMMERTONE GREEN Cubicle Drwg: D-12828 L.H. Int'l Steel: D-1282			
INVERTER COMPONENTS:			
Mag. Brkr.	(1) 1200A	DI/DT React.	(4) C-11565 Filter Cap. (4) AR-317
3 Ph. Bridge	(1) D-8171	Pri. Cap.	(4) 19L566 Diode Assy. (4) A596?C
SCR Panels	(2) D-12577-1	SCR Assy.(Fe)	(4) C 712PD Cur.Lim. React. (1) A-2913
		SCR Assy. (Non)	() Current Limit
			Inlet Water Temp.
METERS:			
Make: WESTON	Size: 5.5	CT1: 300/5	CT2: 400/5
PT1: 600/100	PT2: 1600/100	PT3: 1500/100	
KW: 0-900	RL: 750	Freq: 0-2000	RL: 1200 FV: 0-2400 RL: NONE
			Tank Cap. Volts: 1500



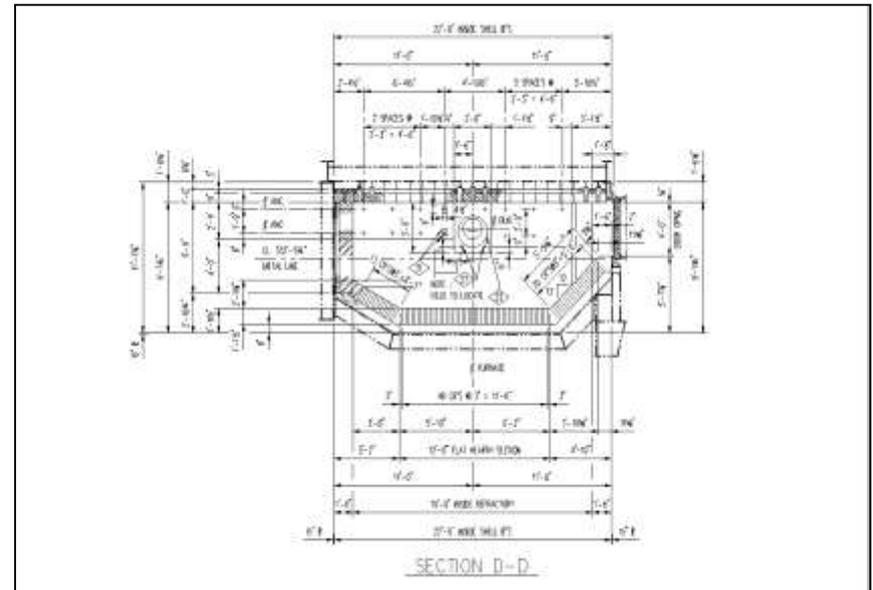
Services – Legacy System

- Conversion of old manual drawings, bills of material, training/operations manual to internationally accepted electronic formats.

Before digitization



After digitization



Group Customers



Non Group Customers



TATA MOTORS

wista ■ ■ ■
Informationstechnologie GmbH

iNTROSYS
Global Control System Designers

KEPPLER
MASCHINENBAU

Mahindra
Rise.

genix
automation INDIA

ROFA
INDUSTRIAL AUTOMATION GROUP

GM

VOITH



Volkswagen. Das Auto.



GÜDEL

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Leading Manufacturers of Melting, Thermal Processing &
Production Systems for the Metals & Materials Industry Worldwide.

Thank you !