

P. THIRUMURUGAN, Mechanical Engineer - DESIGN(SPM)

location: Chennai.

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Professional profile

8 + Years strong knowledge in Industrial heat treating equipment, material handling & special purpose equipment in various industries. My professional interests are improving and developing material science & Engineering for my industrial growth as well as myself.

Also maintaining the global standards like ASTM, DIN, ISO, BIS at etc, as per customers demand at every place of industry

Carrier skills

Auto CAD-2021

Heat treatment

Industrial piping

Solidworks - 2020

Furnace manufacturing

Steel fabrication

Microsoft office-2019

Material handling equipment

Industrial combustion

Basics of HINDI

Special purpose machines

Industrial automation

Carrier experience

Industry name

BENCO THERMAL TECHNOLOGIES PVT LTD, Chennai - 44.

Designation

Mechanical Engineer - Design & Execution

Duration

From May-2016 To June-2021

Roles & Responsibilities

- Designing and detailing of industrial heating and heat treatment furnaces as per CQI-9 (for Automotive industries) & AMS 2750 (for aerospace & defence industries).
- Designing and detailing of industrial special purpose machines, especially for material handling systems to fulfil our end users' requirements.
- Designing and detailing of complete combustion systems of varies applications for ensuring better controlling and safety norms to meet global thermal standards like EN: 746-2 & NFPA - 86.
- Preparation of general arrangement & plant layout with piping systems as per customers requirement.
- Designing and detailing of varies types of material handling conveyors, like roller conveyors, chain conveyors & walking systems etc,
- Preparation of EBOM for complete heat treatment/material handling equipment's in MS-Excel format.
- Basic knowledge in Hydraulic & pneumatic systems.
- Preparation of PFD & P&ID Diagrams for complete plant.

Latest projects:	
	<ul style="list-style-type: none"> Designing and detailing of ROTARY HEARTH BILLET HEATING FURNACE for Railway Wheel Axles at Rail Wheel Factory, Bangalore. Designing and detailing of WALKING BEAM NORMALISING FURNACE with Controlled cooling systems For Domestic & Commercial used LPG Cylinders manufacturing industry.
Previous experience:	
Industry name Designation Duration	WELMECH ENGINEERING COMPANY PVT LTD, Chennai - 98 Junior Mechanical Engineer - Design. From Nov - 2012 To at April - 2016
Roles & Responsibilities:	
	<ul style="list-style-type: none"> Designing and detailing of industrial heating and heat treatment furnaces as per CQI-9, ver-III (for Automotive industries) & AMS 2750 E (for aerospace & defence industries). Designing and detailing of industrial special purpose machineries, especially for material handling systems to fulfil our end users' requirements. Preparation of general arrangement & plant layout drawings as per customers requirement. Preparation of EBOM for complete heat treatment/material handling equipment in MS-Excel format.
Latest projects:	
	<ul style="list-style-type: none"> Designing and detailing of MIAN CURING & AGNI GRAINS CURING OVENS for Solid propellant Plant at SDSC SHAR, Sri horihotta. Designing and detailing of DROP QUENCH SOLUTION TREATMENT FURNACE for Two-wheeler engine Cylinder head application for leading manufacturing industry.
Academic Qualifications:	
	<ul style="list-style-type: none"> Diploma in Mechanical Engineering - Sri Sowdambika polytechnic college, Aruppu kottai in 2012. HSC (+2) - K.H.N.Hr.Sec. School, Perunazhi in 2010. SSLC (10th) - K.H.N.Hr.Sec. School, Perunazhi in 2008.
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