

**Industrial Electric Heating Element Market By Type (Immersion Heaters, Tubular Heaters, Circulation Heaters, Band Heaters, Strip Heaters, Hoil heaters, Flexible Heaters) , By Application (Chemical and Plastics Industry, Oil and Gas, Building Construction, Pharmaceutical Industry, Food Industry) : Global Opportunity Analysis and Industry Forecast, 2024-2032**

Market Report | 2024-08-01 | 220 pages | Allied Market Research

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**Report description:**

Industrial Electric Heating Element Market

The industrial electric heating element market was valued at \$2.8 billion in 2023 and is projected to reach \$4.5 billion by 2032, growing at a CAGR of 5.3% from 2024 to 2032.

Industrial electric heating element is an equipment that makes use of Joule heating method to transform electric energy into heat. Joule heating is the process in which electric current passes through a conductor, resulting in collision between charge carriers and ions of the conductor. Industrial electric heating elements exist in various forms such as coils, rods, tubes, and plates; with the capability to sustain unfavorable environments and high temperatures. Different types of heating elements include ceramic band heaters, immersion heaters, cartridge heaters, flexible heaters, and electrical coil heaters.

Rapid expansion of industrialization and emergence of manufacturing sectors are driving the growth of the industrial electric heating element market. In addition, surge in awareness regarding energy efficiency is boosting the adoption of heating elements over traditional heating methods. This adoption aids industries in regulating their operational costs and augments the market development. With increasing need for precise heating, the development of industrial electric heating elements with heat control ability is acquiring traction. These elements deliver precise temperatures for different industrial processes and are being adopted across several industries, including pharmaceuticals, food processing, and chemical & plastics.

However, continuous operation of heating elements leads to high electricity costs that deters various small-scale organizations from investing in them and hampers the development of the industrial electric heating element market. Furthermore, the

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presence of competent alternatives such as steam and gas heating restrains the market growth significantly. On the contrary, with rising adoption of automation and IoT integration across industries, the deployment of smart capabilities into heating elements is anticipated to open new avenues for the market. Smart heating elements are projected to reduce the downtime of industries by minimizing errors. As per a report by McKinsey & Company, digitization and automation lead to more than 65% decline in overall deviations in the manufacturing sector.□

#### Segment Review□

The industrial electric heating element market is segmented into type, application, and region. On the basis of type, the market is divided into immersion heaters, tubular heaters, circulation heaters, band heaters, strip heaters, coil heaters, and flexible heaters. Depending on application, it is classified into chemical & plastics industry, oil & gas, building construction, pharmaceutical industry, and food industry. Region wise, it is analyzed across North America, Europe, Asia-Pacific, Latin America, and Middle East & Africa.□

#### Key Findings□

On the basis of type, the immersion heaters segment is expected to dominate the market during the forecast period.□

Depending on application, the chemical & plastics industry segment is projected to be the highest shareholder throughout the forecast period.□

Region wise, Asia-Pacific is anticipated to be the highest revenue generator by 2032.□

#### Competition Analysis□

The leading players operating in the global industrial electric heating element market include Watlow Electric Manufacturing Company, Chromalox, Inc., Honeywell International Inc., THERMCRAFT, INC. (AECO Corp.), Tempco Electric Heater Corporation, Omega Engineering Inc, NIBE Industrier AB, Durex Industries, Inc., Tutco Heating Solutions Group, and Indeeco Corporation. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships, to strengthen their foothold in the competitive market.□

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#### Key Market Segments

##### By Type

- Immersion Heaters
- Tubular Heaters
- Circulation Heaters
- Band Heaters
- Strip Heaters

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- Hoil heaters

- Flexible Heaters

By Application

- Chemical and Plastics Industry

- Oil and Gas

- Building Construction

- Pharmaceutical Industry

- Food Industry

By Region

- North America

- U.S.

- Canada

- Mexico

- Europe

- France

- Germany

- Italy

- UK

- Rest of Europe

- Asia-Pacific

- China

- Japan

- India

- South Korea

- Rest of Asia-Pacific

- Latin America

- Brazil

- Argentina

- Chile

- Rest of Latin America

- Middle East and Africa

- Saudi Arabia

- UAE

- South Africa

- Nigeria

- Rest of Middle East and Africa

- Key Market Players

- Watlow Electric Manufacturing Company.

- Chromalox, Inc.

- Honeywell International Inc.

- THERMCRAFT, INC. (AECO Corp.)

- Tempco Electric Heater Corporation

- Omega Engineering Inc

- NIBE Industrier AB

- Durex Industries, Inc.

- Tutco Heating Solutions Group

- Indeeco Corporation.

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## **Table of Contents:**

### CHAPTER 1: INTRODUCTION

- 1.1. Report Description
- 1.2. Key Market Segments
- 1.3. Key Benefits
- 1.4. Research Methodology
  - 1.4.1. Primary Research
  - 1.4.2. Secondary Research
  - 1.4.3. Analyst Tools and Models

### CHAPTER 2: EXECUTIVE SUMMARY

- 2.1. CXO Perspective

### CHAPTER 3: MARKET LANDSCAPE

- 3.1. Market Definition and Scope
- 3.2. Key Findings
  - 3.2.1. Top Investment Pockets
  - 3.2.2. Top Winning Strategies
- 3.3. Porter's Five Forces Analysis
  - 3.3.1. Bargaining Power of Suppliers
  - 3.3.2. Threat of New Entrants
  - 3.3.3. Threat of Substitutes
  - 3.3.4. Competitive Rivalry
  - 3.3.5. Bargaining Power among Buyers
- 3.4. Market Dynamics
  - 3.4.1. Drivers
  - 3.4.2. Restraints
  - 3.4.3. Opportunities

### CHAPTER 4: INDUSTRIAL ELECTRIC HEATING ELEMENT MARKET, BY TYPE

- 4.1. Market Overview
  - 4.1.1 Market Size and Forecast, By Type
- 4.2. Immersion Heaters
  - 4.2.1. Key Market Trends, Growth Factors and Opportunities
  - 4.2.2. Market Size and Forecast, By Region
  - 4.2.3. Market Share Analysis, By Country
- 4.3. Tubular Heaters
  - 4.3.1. Key Market Trends, Growth Factors and Opportunities
  - 4.3.2. Market Size and Forecast, By Region
  - 4.3.3. Market Share Analysis, By Country
- 4.4. Circulation Heaters
  - 4.4.1. Key Market Trends, Growth Factors and Opportunities
  - 4.4.2. Market Size and Forecast, By Region
  - 4.4.3. Market Share Analysis, By Country
- 4.5. Band Heaters
  - 4.5.1. Key Market Trends, Growth Factors and Opportunities
  - 4.5.2. Market Size and Forecast, By Region
  - 4.5.3. Market Share Analysis, By Country
- 4.6. Strip Heaters
  - 4.6.1. Key Market Trends, Growth Factors and Opportunities

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- 4.6.2. Market Size and Forecast, By Region
- 4.6.3. Market Share Analysis, By Country
- 4.7. Hoil Heaters
  - 4.7.1. Key Market Trends, Growth Factors and Opportunities
  - 4.7.2. Market Size and Forecast, By Region
  - 4.7.3. Market Share Analysis, By Country
- 4.8. Flexible Heaters
  - 4.8.1. Key Market Trends, Growth Factors and Opportunities
  - 4.8.2. Market Size and Forecast, By Region
  - 4.8.3. Market Share Analysis, By Country
- CHAPTER 5: INDUSTRIAL ELECTRIC HEATING ELEMENT MARKET, BY APPLICATION
  - 5.1. Market Overview
    - 5.1.1 Market Size and Forecast, By Application
  - 5.2. Chemical And Plastics Industry
    - 5.2.1. Key Market Trends, Growth Factors and Opportunities
    - 5.2.2. Market Size and Forecast, By Region
    - 5.2.3. Market Share Analysis, By Country
  - 5.3. Oil And Gas
    - 5.3.1. Key Market Trends, Growth Factors and Opportunities
    - 5.3.2. Market Size and Forecast, By Region
    - 5.3.3. Market Share Analysis, By Country
  - 5.4. Building Construction
    - 5.4.1. Key Market Trends, Growth Factors and Opportunities
    - 5.4.2. Market Size and Forecast, By Region
    - 5.4.3. Market Share Analysis, By Country
  - 5.5. Pharmaceutical Industry
    - 5.5.1. Key Market Trends, Growth Factors and Opportunities
    - 5.5.2. Market Size and Forecast, By Region
    - 5.5.3. Market Share Analysis, By Country
  - 5.6. Food Industry
    - 5.6.1. Key Market Trends, Growth Factors and Opportunities
    - 5.6.2. Market Size and Forecast, By Region
    - 5.6.3. Market Share Analysis, By Country
- CHAPTER 6: INDUSTRIAL ELECTRIC HEATING ELEMENT MARKET, BY REGION
  - 6.1. Market Overview
    - 6.1.1 Market Size and Forecast, By Region
  - 6.2. North America
    - 6.2.1. Key Market Trends and Opportunities
    - 6.2.2. Market Size and Forecast, By Type
    - 6.2.3. Market Size and Forecast, By Application
    - 6.2.4. Market Size and Forecast, By Country
    - 6.2.5. U.S. Industrial Electric Heating Element Market
      - 6.2.5.1. Market Size and Forecast, By Type
      - 6.2.5.2. Market Size and Forecast, By Application
    - 6.2.6. Canada Industrial Electric Heating Element Market
      - 6.2.6.1. Market Size and Forecast, By Type
      - 6.2.6.2. Market Size and Forecast, By Application

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- 6.2.7. Mexico Industrial Electric Heating Element Market
  - 6.2.7.1. Market Size and Forecast, By Type
  - 6.2.7.2. Market Size and Forecast, By Application
- 6.3. Europe
  - 6.3.1. Key Market Trends and Opportunities
  - 6.3.2. Market Size and Forecast, By Type
  - 6.3.3. Market Size and Forecast, By Application
  - 6.3.4. Market Size and Forecast, By Country
  - 6.3.5. France Industrial Electric Heating Element Market
    - 6.3.5.1. Market Size and Forecast, By Type
    - 6.3.5.2. Market Size and Forecast, By Application
  - 6.3.6. Germany Industrial Electric Heating Element Market
    - 6.3.6.1. Market Size and Forecast, By Type
    - 6.3.6.2. Market Size and Forecast, By Application
  - 6.3.7. Italy Industrial Electric Heating Element Market
    - 6.3.7.1. Market Size and Forecast, By Type
    - 6.3.7.2. Market Size and Forecast, By Application
  - 6.3.8. UK Industrial Electric Heating Element Market
    - 6.3.8.1. Market Size and Forecast, By Type
    - 6.3.8.2. Market Size and Forecast, By Application
  - 6.3.9. Rest Of Europe Industrial Electric Heating Element Market
    - 6.3.9.1. Market Size and Forecast, By Type
    - 6.3.9.2. Market Size and Forecast, By Application
- 6.4. Asia-Pacific
  - 6.4.1. Key Market Trends and Opportunities
  - 6.4.2. Market Size and Forecast, By Type
  - 6.4.3. Market Size and Forecast, By Application
  - 6.4.4. Market Size and Forecast, By Country
  - 6.4.5. China Industrial Electric Heating Element Market
    - 6.4.5.1. Market Size and Forecast, By Type
    - 6.4.5.2. Market Size and Forecast, By Application
  - 6.4.6. Japan Industrial Electric Heating Element Market
    - 6.4.6.1. Market Size and Forecast, By Type
    - 6.4.6.2. Market Size and Forecast, By Application
  - 6.4.7. India Industrial Electric Heating Element Market
    - 6.4.7.1. Market Size and Forecast, By Type
    - 6.4.7.2. Market Size and Forecast, By Application
  - 6.4.8. South Korea Industrial Electric Heating Element Market
    - 6.4.8.1. Market Size and Forecast, By Type
    - 6.4.8.2. Market Size and Forecast, By Application
  - 6.4.9. Rest of Asia-Pacific Industrial Electric Heating Element Market
    - 6.4.9.1. Market Size and Forecast, By Type
    - 6.4.9.2. Market Size and Forecast, By Application
- 6.5. Latin America
  - 6.5.1. Key Market Trends and Opportunities
  - 6.5.2. Market Size and Forecast, By Type
  - 6.5.3. Market Size and Forecast, By Application

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- 6.5.4. Market Size and Forecast, By Country
- 6.5.5. Brazil Industrial Electric Heating Element Market
  - 6.5.5.1. Market Size and Forecast, By Type
  - 6.5.5.2. Market Size and Forecast, By Application
- 6.5.6. Argentina Industrial Electric Heating Element Market
  - 6.5.6.1. Market Size and Forecast, By Type
  - 6.5.6.2. Market Size and Forecast, By Application
- 6.5.7. Chile Industrial Electric Heating Element Market
  - 6.5.7.1. Market Size and Forecast, By Type
  - 6.5.7.2. Market Size and Forecast, By Application
- 6.5.8. REST oF Latin America Industrial Electric Heating Element Market
  - 6.5.8.1. Market Size and Forecast, By Type
  - 6.5.8.2. Market Size and Forecast, By Application
- 6.6. Middle East And Africa
  - 6.6.1. Key Market Trends and Opportunities
  - 6.6.2. Market Size and Forecast, By Type
  - 6.6.3. Market Size and Forecast, By Application
  - 6.6.4. Market Size and Forecast, By Country
  - 6.6.5. Saudi Arabia Industrial Electric Heating Element Market
    - 6.6.5.1. Market Size and Forecast, By Type
    - 6.6.5.2. Market Size and Forecast, By Application
  - 6.6.6. UAE Industrial Electric Heating Element Market
    - 6.6.6.1. Market Size and Forecast, By Type
    - 6.6.6.2. Market Size and Forecast, By Application
  - 6.6.7. South Africa Industrial Electric Heating Element Market
    - 6.6.7.1. Market Size and Forecast, By Type
    - 6.6.7.2. Market Size and Forecast, By Application
  - 6.6.8. Nigeria Industrial Electric Heating Element Market
    - 6.6.8.1. Market Size and Forecast, By Type
    - 6.6.8.2. Market Size and Forecast, By Application
  - 6.6.9. Rest of Middle East And Africa Industrial Electric Heating Element Market
    - 6.6.9.1. Market Size and Forecast, By Type
    - 6.6.9.2. Market Size and Forecast, By Application
- CHAPTER 7: COMPETITIVE LANDSCAPE
  - 7.1. Introduction
  - 7.2. Top Winning Strategies
  - 7.3. Product Mapping Of Top 10 Player
  - 7.4. Competitive Dashboard
  - 7.5. Competitive Heatmap
  - 7.6. Top Player Positioning, 2023
- CHAPTER 8: COMPANY PROFILES
  - 8.1. Watlow Electric Manufacturing Company.
    - 8.1.1. Company Overview
    - 8.1.2. Key Executives
    - 8.1.3. Company Snapshot
    - 8.1.4. Operating Business Segments
    - 8.1.5. Product Portfolio

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- 8.1.6. Business Performance
- 8.1.7. Key Strategic Moves and Developments
- 8.2. Chromalox, Inc.
  - 8.2.1. Company Overview
  - 8.2.2. Key Executives
  - 8.2.3. Company Snapshot
  - 8.2.4. Operating Business Segments
  - 8.2.5. Product Portfolio
  - 8.2.6. Business Performance
  - 8.2.7. Key Strategic Moves and Developments
- 8.3. Honeywell International Inc.
  - 8.3.1. Company Overview
  - 8.3.2. Key Executives
  - 8.3.3. Company Snapshot
  - 8.3.4. Operating Business Segments
  - 8.3.5. Product Portfolio
  - 8.3.6. Business Performance
  - 8.3.7. Key Strategic Moves and Developments
- 8.4. THERMCRAFT, INC. (AECO Corp.)
  - 8.4.1. Company Overview
  - 8.4.2. Key Executives
  - 8.4.3. Company Snapshot
  - 8.4.4. Operating Business Segments
  - 8.4.5. Product Portfolio
  - 8.4.6. Business Performance
  - 8.4.7. Key Strategic Moves and Developments
- 8.5. Tempco Electric Heater Corporation
  - 8.5.1. Company Overview
  - 8.5.2. Key Executives
  - 8.5.3. Company Snapshot
  - 8.5.4. Operating Business Segments
  - 8.5.5. Product Portfolio
  - 8.5.6. Business Performance
  - 8.5.7. Key Strategic Moves and Developments
- 8.6. Omega Engineering Inc
  - 8.6.1. Company Overview
  - 8.6.2. Key Executives
  - 8.6.3. Company Snapshot
  - 8.6.4. Operating Business Segments
  - 8.6.5. Product Portfolio
  - 8.6.6. Business Performance
  - 8.6.7. Key Strategic Moves and Developments
- 8.7. NIBE Industrier AB
  - 8.7.1. Company Overview
  - 8.7.2. Key Executives
  - 8.7.3. Company Snapshot
  - 8.7.4. Operating Business Segments

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- 8.7.5. Product Portfolio
- 8.7.6. Business Performance
- 8.7.7. Key Strategic Moves and Developments
- 8.8. Durex Industries, Inc.
- 8.8.1. Company Overview
- 8.8.2. Key Executives
- 8.8.3. Company Snapshot
- 8.8.4. Operating Business Segments
- 8.8.5. Product Portfolio
- 8.8.6. Business Performance
- 8.8.7. Key Strategic Moves and Developments
- 8.9. Tutco Heating Solutions Group
- 8.9.1. Company Overview
- 8.9.2. Key Executives
- 8.9.3. Company Snapshot
- 8.9.4. Operating Business Segments
- 8.9.5. Product Portfolio
- 8.9.6. Business Performance
- 8.9.7. Key Strategic Moves and Developments
- 8.10. Indeeco Corporation.
- 8.10.1. Company Overview
- 8.10.2. Key Executives
- 8.10.3. Company Snapshot
- 8.10.4. Operating Business Segments
- 8.10.5. Product Portfolio
- 8.10.6. Business Performance
- 8.10.7. Key Strategic Moves and Developments

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