

Industrial Pipe Market: Trends, Opportunities and Competitive Analysis [2024-2030]

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Abstracts

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Industrial Pipe Market Trends and Forecast

The future of the global industrial pipe market looks promising with opportunities in power generation, petrochemical, automotive, and industrial processing. The global industrial pipe market is expected to reach an estimated \$32.7 billion by 2030 with a CAGR of 3.5% from 2024 to 2030. The major growth drivers for this market are increasing construction of new pipelines, replacement of aging pipelines, urbanization rate, and infrastructure development.

Lucintel forecasts that the steel pipe is expected to remain the largest material segment over the forecast period due to increasing demand for steel pipes in power generation and petrochemical industries. Lucintel predicts that the plastic pipe material segment will witness the highest growth during the forecast period because of low cost, light weight and corrosion resistant.

Within the global Industrial Pipe market, petrochemical will remain the largest end use industry during the forecast period due to increasing investments in new ventures and up-gradation of petrochemical facilities. The automotive segment is expected to witness the highest growth due to increasing automotive production, along with population, purchasing power, and urbanization rate,

all of which increase growth of the automotive industry, which ultimately increases the demands for industrial pipes.

APAC is expected to remain the largest market and witness the highest growth over the forecast period due to increasing infrastructure development, urbanization and government economic stimulus measures in this region.

APAC is expected to remain the largest market in the Industrial Pipe Market

1. **United States:** Companies like Tenaris and JM Eagle are investing in advanced manufacturing processes for industrial pipes to meet infrastructure demands. Government initiatives such as the Bipartisan Infrastructure Law allocate funds for pipe replacement and new construction projects, driving market growth.
2. **China:** Chinese steel manufacturers like Baosteel and Ansteel dominate the industrial pipe market, focusing on large-scale infrastructure projects. Government initiatives such as the Belt and Road Initiative stimulate demand for steel pipes in construction and energy sectors.
3. **India:** Indian pipe manufacturers such as Tata Steel and Jindal Pipes are expanding their product portfolios to meet the growing demand for industrial pipes in infrastructure development. Government initiatives like the National Infrastructure Pipeline boost investments in water, energy, and transportation projects, driving market expansion.
4. **Germany:** German companies like Salzgitter AG and Mannesmann Stainless Tubes specialize in high-quality industrial pipe production, targeting niche markets in Europe and beyond. Government support for renewable energy projects and infrastructure upgrades stimulates demand for specialized pipe solutions.
5. **Brazil:** Brazilian steel producers like Usiminas and Gerdau are investing in industrial pipe manufacturing to support infrastructure development and oil and gas exploration projects. Government initiatives promoting investment in infrastructure and energy sectors drive demand for steel pipes.

Emerging Trends in the Industrial Pipe Market

Emerging trends which have a direct impact on the dynamics of the industry include increasing use of premium and technically advanced pipe and increasing focus on pipe strength and durability.

A total of 139 figures / charts and 109 tables are provided in this 261-page report to help in your business decisions. Sample figures with some insights are shown below.

Industrial Pipe Market by Segment

In this market, petrochemical is the largest end use industry, whereas steel pipe is largest market by material. Growth in various segments of the industrial pipe market are given below:

The study includes a trend and forecast for the Industrial Pipe market by material, diameter, end use industry, and region as follows:

Industrial Pipe Market by End Use Industry [Value (\$ Million) from 2018 to 2030]:

Power Generation

Petrochemical

Automotive

Industrial Processing

Others

Industrial Pipe Market by Material [Value (\$ Million) and Volume (Thousand Tons) from 2018 to 2030]:

Steel Pipes

Ductile Iron Pipes

Plastic Pipes

FRP Pipes

Other Pipes

Industrial Pipe Market by Diameter [Value (\$ Million) from 2018 t%l%2030]:

Small Diameter Pipes

Medium Diameter Pipes

Large Diameter Pipes

Industrial Pipe Market by Pressure Rating [Value (\$ Million) from 2018 t%l%2030]:

Low Pressure Rating

Medium Pressure Rating

High Pressure Rating

Industrial Pipe Market by Region [Value (\$ Million) from 2018 t%l%2030]:

North America

US

Canada

Mexico

Europe

United Kingdom

Germany

Russia

APAC

China

Japan

India

ROW

Brazil

Middle East

List of Industrial Pipe Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies industrial pipe companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the industrial pipe companies profiled in this report includes

Vallourec SA

TMK Group

Tenaris SA

China LESSO Group Holdings Limited

ArcelorMittal S.A.

Orbia

Sekisui Chemical Co. Ltd.

Advanced Drainage Systems, Inc.

Saudi Arabian Amiantit Company

Northwest Pipe Company

Future Pipe Industries

Recent Developments in the Industrial Pipe Market

- 1. Focus on Corrosion-Resistant Materials:** Recent developments in the industrial pipe market include a focus on corrosion-resistant materials that enhance durability and longevity in harsh environments. Manufacturers such as Tenaris and ArcelorMittal are introducing advanced steel alloys and composite materials with improved corrosion resistance properties for use in oil and gas, chemical processing, and water treatment applications.
- 2. Adoption of Composite Pipes for High-Performance Applications:** Composite pipes are gaining traction in the industrial pipe market due to their lightweight, corrosion-resistant, and high-strength properties. Companies like Airborne Oil & Gas and Future Pipe Industries are developing advanced composite pipe solutions for offshore oil and gas production, chemical processing, and infrastructure applications, offering significant advantages over traditional metallic pipes.
- 3. Rise of Smart Pipe Technologies:** The integration of smart pipe technologies is transforming the industrial pipe market, enabling real-time monitoring, predictive maintenance, and remote diagnostics of pipe systems. Companies such as Schlumberger and Baker Hughes are developing intelligent pipe solutions embedded with sensors, communication devices, and data analytics capabilities to optimize asset performance and reduce operational downtime in critical industrial processes.
- 4. Expansion of Pipe Infrastructure Projects:** Infrastructure development initiatives worldwide are driving the expansion of the industrial pipe market, particularly in sectors such as water supply, wastewater treatment, and energy distribution. Major infrastructure projects like pipeline networks, water treatment plants, and power

generation facilities are creating significant opportunities for pipe manufacturers and suppliers to supply high-quality pipe products and solutions.

5. **Emphasis on Sustainable Pipe Manufacturing Practices:** With increasing environmental awareness, there's a growing emphasis on sustainable pipe manufacturing practices in the industrial pipe market. Manufacturers are investing in energy-efficient production processes, recycling initiatives, and eco-friendly materials to minimize carbon footprint and reduce environmental impact. Sustainable pipe solutions are gaining favor among customers seeking environmentally responsible options for their infrastructure projects.

6. **Innovations in Pipe Coating Technologies:** Innovations in pipe coating technologies are enhancing corrosion protection, abrasion resistance, and insulation properties of industrial pipes. Companies like Shawcor and Axalta are introducing advanced coating systems such as fusion-bonded epoxy (FBE), three-layer polyethylene (3LPE), and thermoplastic powder coatings for pipelines, offshore structures, and industrial facilities, providing superior performance in challenging operating environments.

Features of the Industrial Pipe Market

Market Size Estimates: Industrial Pipe market size estimation in terms of value (\$M).

Trend and Forecast Analysis: Market trends (2018-2023) and forecast (2024-2030) by various segments and regions.

Segmentation Analysis: Industrial Pipe market size by various segments, such as material, end use industries, diameter, and pressure rating.

Regional Analysis: Industrial Pipe market breakdown by North America, Europe, Asia Pacific, and the Rest of the World.

Growth Opportunities: Analysis on growth opportunities in different material, end use industries, diameter, pressure rating, and regions for Industrial Pipe market.

Strategic Analysis: This includes M&A and competitive landscape for the Industrial Pipe.

Analysis of competitive intensity of the industry based on Porter's Five Forces

model.

FAQ

Q1. What is the industrial pipe market size?

Answer: The global industrial pipe market is expected to reach an estimated \$32.7 billion by 2030.

Q2. What is the growth forecast for industrial pipe market?

Answer: The Industrial Pipe market is expected to grow at a CAGR of 3.5% from 2024 to 2030.

Q3. What are the major drivers influencing the growth of the industrial pipe market?

Answer: The major growth drivers for this market are increasing construction of new pipelines, replacement of aging pipelines, urbanization rate, and infrastructure development.

Q4. What are the major applications or end use industries for industrial pipe?

Answer: Power generation, petrochemical, automotive, and industrial processing are the major end use industries for industrial pipe.

Q5. What are the emerging trends in industrial pipe market?

Answer: Emerging trends which have a direct impact on the dynamics of the industry include increasing use of premium and technically advanced pipe and increasing focus on pipe strength and durability.

Q6. What are the key industrial pipe companies?

Answer: Some of the key industrial pipe companies are as follows:

Vallourec SA

TMK Group

Tenaris SA

China LESSO Group Holdings Limited

ArcelorMittal S.A.

Orbia

Sekisui Chemical Co. Ltd.

Advanced Drainage Systems, Inc.

Saudi Arabian Amiantit Company

Northwest Pipe Company

Future Pipe Industries

Q7.Which industrial pipe material segment will be the largest in future?

Answer: Lucintel forecasts that the steel pipe is expected to remain the largest material segment over the forecast period due to increasing demand for steel pipes in power generation and petrochemical industries. Lucintel predicts that the plastic pipe material segment will witness the highest growth during the forecast period because of low cost, light weight and corrosion resistant.

Q8: In industrial pipe market, which region is expected to be the largest in next 5 years?

Answer:APAC will remain the largest region and is expected to witness the highest growth over next 5 years

Q9. Do we receive customization in this report?

Answer:Yes, Lucintel provides 10% Customization Without any Additional Cost.

This report answers following 11 key questions

Q.1. What are some of the most promising potential, high-growth opportunities for the Industrial Pipe market by material (steel pipe, ductile iron pipe, plastic pipe, fiberglass reinforced pipe, and others), end use industry (power generation, petrochemical, automotive, industrial processing plant, and others), diameter (small diameter pipe up to 15 inches, medium diameter pipe 15 inches to 30 inches, and large diameter pipe 30 inches and above), pressure rating (low pressure pipes up to 150 psi, medium pressure pipes 150 psi to 300 psi, and high pressure pipes 300 and above psi), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2. Which segments will grow at a faster pace and why?

Q.3. Which regions will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the drivers and challenges of the industrial pipe market?

Q.5. What are the business risks and threats to the industrial pipe market?

Q.6. What are emerging trends in this industrial pipe market and the reasons behind them?

Q.7. What are some changing demands of customers in the industrial pipe market?

Q.8. What are the new developments in the industrial pipe market? Which companies are leading these developments?

Q.9. Who are the major players in the industrial pipe market? What strategic initiatives are being implemented by key players for business growth?

Q.10. What are some of the competitive products and processes in the industrial pipe market, and how big of a threat do they pose for loss of market share via material or product substitution?

Q.11. What M&A activities did take place in the last five years in the industrial pipe market?

For any questions related to industrial pipe market or related to Industrial pipe, industrial pipe sales, industrial pipe companies, top industrial pipe companies, industrial

pipe manufacturers, largest industrial pipe companies, industrial pipe manufacturer, industrial pipe company, industrial pipe manufacturing, industrial pipe industry, industrial pipe classification, write Lucintel analyst at email: helpdesk@lucintel.com we will be glad to get back to you soon.

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