

# **U.S. Steel Grating Market by Material Type (Stainless Steel Grating, Carbon Steel Grating, and Aluminum Steel Grating), Surface Type (Plain Steel Grating and Serrated Steel Grating), Fabrication (Welded Steel Grating, Swage Locked Grating, Press Locked Grating, Riveted Grating, and Close Mesh Steel Grating), Application (Stair Treads, Walkways, Platforms, Security Fence, Drainage Covers, Trench Covers, and Others), and End-Use Industry (Food Processing, Pharmaceuticals, Cement, Steel, Chemical, Papermaking, Oil & Gas, Electric Power, Mining, Marine, Wastewater Treatment, Civil Engineering, and Others): Country Opportunity Analysis and Industry Forecast, 2020-2027**

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## **Abstracts**

The U.S. steel grating market was valued at \$25.0 billion in 2019, and is projected to reach \$33.2 billion by 2027, growing at a CAGR of 3.7% from 2020 to 2027.

Steel gratings consist of grid patterns formed from metals such as stainless steel, carbon steel, and aluminum, made to provide traction and allow for water drainage over an opening. Gratings have a lot of applications as it can be fabricated for specific applications. They are common in industrial facilities for improving worker safety while commuting. Gratings provide better grip for workers, machinery, and factory vehicles.

Stainless steel bar grating is a choice for corrosive environments such as chemical, food, and hydro processing areas. Stainless steel grating provides superior corrosion and oxidation resistant material that is stronger than aluminum. Aluminum bar grating is opted when lightweight and corrosion resistant material is desired. Carbon steel bar grating is an ideal option when project requires a strong material that will not be exposed to an expressly corrosive environment.

The U.S. steel grating market is primarily driven by its advantages and end-use industries. Currently, there is a high demand for steel gratings over other materials. Steel and stainless-steel gratings offer high tensile strength that increases its durability and reliability. Market players offer various customizations for the grating product in terms of accessories, fabrication, and load requirements. Advancements in technology like high load capacity further enables market players to increase their product offerings. However, emission of carbon during the production of steel grating and the availability and advantages of FRP grating is expected to hamper the market growth during the forecast period.

The steel industry is an energy intensive sector that emits 1.85 tons of CO<sub>2</sub> for every ton of steel produced. Hence, steel and even aluminum gratings are costly as compared to fiber-reinforced plastic (FRP). In addition, FRP gratings offer better corrosion resistance, slip resistance, and strength. Hence, the replacement of steel gratings with FRP gratings is expected to act as a restraint in the U.S. steel grating market. Technical advancements from OEMs coupled with rise in industrialization offer lucrative opportunities for the steel grating market in the U.S. The use of computerized production process results in precision final product.

The U.S. steel grating market is segmented on the basis of material type, surface type, fabrication, application, and end-use industry. Based on material type, the U.S. steel grating market is segmented into stainless steel grating, carbon steel grating, and aluminum steel grating. Based on surface type, it is divided into plain steel grating and serrated steel grating. Based on fabrication, it is segmented into welded steel grating, swage locked grating, press locked grating, riveted grating, and close mesh steel grating. On the basis of application, the market is segmented into stair treads, walkways, platforms, security fence, drainage covers, trench covers, and others. The end-use industries of steel grating include food processing, pharmaceuticals, cement, steel, chemical, papermaking, oil & gas, electric power, mining, marine, wastewater treatment, civil engineering, and others. Region wise, the U.S. steel grating market is segmented into New England, Mid Atlantic, South, Mid-West, South West, and West.

Some of the major players analyzed are Eaton Corporation, Farwest Steel Corporation, Grating Pacific Inc., IKG, Indiana Gratings Inc., Interstate Gratings LLC, Mcnichols Co. Inc., Nucor Corporation, P&R Metals, Lichtgitter GmbH, and Valmont Industries Inc.

#### COVID-19 Analysis:

The demand for steel grating across the U.S. is expected to experience a downfall due to decline in production activities of the end-use industries, due to disrupted supply chain amid the COVID-19 pandemic lockdown.

The production of steel grating is also estimated to hamper during and after the lockdown due to non-availability of workers. As workers from different regions of the U.S. has been migrated back to their home base due to unavailability of work and income source. This non-availability or less availability of workforce is expected to directly affect the annual production of steel grating.

#### Key benefits for stakeholders

Porter's five forces analysis helps analyze the potential of buyers & suppliers and the competitive scenario of the industry for strategy building.

The report outlines the current trends and future scenario of the market from 2019 to 2027 to understand the prevailing opportunities and potential investment pockets.

Major countries in the region have been mapped according to their individual revenue contribution to the regional market.

The key drivers, restraints, & opportunities and their detailed impact analysis are explained in the study.

The profiles of key players and with their key strategic developments are enlisted in the report.

#### Key market segments

##### By Material Type

*U.S. Steel Grating Market by Material Type (Stainless Steel Grating, Carbon Steel Grating, and Aluminum Steel...*

Stainless Steel Grating

Carbon Steel Grating

Aluminum Steel Grating

By Fabrication

Welded Steel Grating

Swage Locked Grating

Press Locked Grating

Riveted Grating

Close Mesh Steel Grating

By Surface Type

Plain Steel Grating

Serrated Steel Grating

By Application

Stair Treads

Walkways

Platforms

Security Fence

Drainage Covers

Trench Covers

Others

By End-Use Industry

Food Processing

Pharmaceuticals

Cement

Steel

Chemical

Papermaking

Oil & Gas

Electric Power

Mining

Marine

Wastewater Treatment

Civil Engineering

Others

By Region

New England

Mid Atlantic

South

Mid-West

South West

West

### **List of Company Profiles**

The major key players operating in the U.S. steel grating market include Eaton Corporation, Farwest Steel Corporation, Grating Pacific Inc., IKG, Indiana Gratings Inc., Interstate Gratings LLC, Mcnichols Co. Inc., Nucor Corporation, P&R Metals, Lichtgitter GmbH, and Valmont Industries Inc. These major key players adopt strategies, such as acquisition to stay competitive in the U.S. steel grating market.

## Contents

### **CHAPTER 1:INTRODUCTION**

- 1.1.Report description
- 1.2.Key benefits for stakeholders
- 1.3.Key market segments
- 1.4.Research methodology
  - 1.4.1.Secondary research
  - 1.4.2.Primary research
- 1.5.Analyst tools and models

### **CHAPTER 2:EXECUTIVE SUMMARY**

- 2.1.Key findings of the study
- 2.2.CXO perspective

### **CHAPTER 3:MARKET OVERVIEW**

- 3.1.Market definition and scope
- 3.2.Key findings
  - 3.2.1.Top investment pockets
- 3.3.Porter's five forces analysis
- 3.4.Impact of government regulations on the U.S. steel grating market
- 3.5.Market dynamics
  - 3.5.1.Drivers
    - 3.5.1.1.Advancements in technology like high load capacity
    - 3.5.1.2.Increase in demand for steel grating in the end-use industries
  - 3.5.2.Restrictant
    - 3.5.2.1.Emission of carbon during the production of steel grating
    - 3.5.2.2.Demand for FRP grating due to its lightweight is expected to hamper the growth during the forecast period
  - 3.5.3.Opportunity
    - 3.5.3.1.Installation of new manufacturing facilities
- 3.6.Impact of COVID-19 on the U.S. steel grating market
- 3.7.Pricing Analysis

### **CHAPTER 4:U.S. STEEL GRATING MARKET, BY MATERIAL TYPE**

#### 4.1.Overview

##### 4.1.1.Market size and forecast

#### 4.2.Stainless steel grating

##### 4.2.1.Key market trends, growth factors, and opportunities

#### 4.3.Carbon steel grating

##### 4.3.1.Key market trends, growth factors, and opportunities

#### 4.4.Aluminum steel grating

##### 4.4.1.Key market trends, growth factors, and opportunities

### **CHAPTER 5:U.S. STEEL GRATING MARKET, BY SURFACE TYPE**

#### 5.1.Overview

##### 5.1.1.Market size and forecast

#### 5.2.Plain steel grating

##### 5.2.1.Key market trends, growth factors, and opportunities

#### 5.3.Serrated steel grating

##### 5.3.1.Key market trends, growth factors, and opportunities

### **CHAPTER 6:U.S. STEEL GRATING MARKET, BY FABRICATION**

#### 6.1.Overview

##### 6.1.1.Market size and forecast

#### 6.2.Welded steel grating

##### 6.2.1.Key market trends, growth factors, and opportunities

#### 6.3.Swage locked grating

##### 6.3.1.Key market trends, growth factors, and opportunities

#### 6.4.Press locked grating

##### 6.4.1.Key market trends, growth factors, and opportunities

#### 6.5.Riveted grating

##### 6.5.1.Key market trends, growth factors, and opportunities

#### 6.6.Close mesh steel grating

##### 6.6.1.Key market trends, growth factors, and opportunities

### **CHAPTER 7:U.S. STEEL GRATING MARKET, BY APPLICATION**

#### 7.1.Overview

##### 7.1.1.Market size and forecast

#### 7.2.Stair treads

##### 7.2.1.Key market trends, growth factors, and opportunities



### 7.3.Walkways

7.3.1.Key market trends, growth factors, and opportunities

### 7.4.Platforms

7.4.1.Key market trends, growth factors, and opportunities

### 7.5.Security fence

7.5.1.Key market trends, growth factors, and opportunities

### 7.6.Drainage covers

7.6.1.Key market trends, growth factors, and opportunities

### 7.7.Trench covers

7.7.1.Key market trends, growth factors, and opportunities

### 7.8.Others

7.8.1.Key market trends, growth factors, and opportunities

## **CHAPTER 8:U.S. STEEL GRATING MARKET, BY END-USE INDUSTRY**

### 8.1.Overview

8.1.1.Market size and forecast

### 8.2.Food processing

8.2.1.Key market trends, growth factors, and opportunities

### 8.3.Pharmaceuticals

8.3.1.Key market trends, growth factors, and opportunities

### 8.4.Cement

8.4.1.Key market trends, growth factors, and opportunities

### 8.5.Steel

8.5.1.Key market trends, growth factors, and opportunities

### 8.6.Chemical

8.6.1.Key market trends, growth factors, and opportunities

### 8.7.Papermaking

8.7.1.Key market trends, growth factors, and opportunities

### 8.8.Oil & gas

8.8.1.Key market trends, growth factors, and opportunities

### 8.9.Electric power

8.9.1.Key market trends, growth factors, and opportunities

### 8.10.Mining

8.10.1.Key market trends, growth factors, and opportunities

### 8.11.Marine

8.11.1.Key market trends, growth factors, and opportunities

### 8.12.Wastewater treatment

8.12.1.Key market trends, growth factors, and opportunities

### 8.13.Civil engineering

#### 8.13.1.Key market trends, growth factors, and opportunities

### 8.14.Others

#### 8.14.1.Key market trends, growth factors, and opportunities

## **CHAPTER 9:U.S. STEEL GRATING MARKET, BY REGION**

### 9.1.Overview

#### 9.1.1.Market size and forecast, by region

## **CHAPTER 10:COMPETITIVE LANDSCAPE**

### 10.1.Introduction

### 10.2.Top winning strategies

### 10.3.Product mapping

### 10.4.Competitive heatmap

### 10.5.Key developments

#### 10.5.1.Key acquisition and expansion

## **CHAPTER 11:COMPANY PROFILES**

### 11.1.EATON CORPORATION PLC

#### 11.1.1.Company overview

#### 11.1.2.Company snapshot

#### 11.1.3.Operating business segments

#### 11.1.4.Product portfolio

#### 11.1.5.Business performance

### 11.2.FARWEST STEEL CORPORATION

#### 11.2.1.Company overview

#### 11.2.2.Company snapshot

#### 11.2.3.Product portfolio

#### 11.2.4.Key strategic moves and developments

### 11.3.GRATING PACIFIC INC.

#### 11.3.1.Company overview

#### 11.3.2.Company snapshot

#### 11.3.3.Product portfolio

### 11.4.INDIANA GRATINGS INC.

#### 11.4.1.Company overview

#### 11.4.2.Company snapshot

- 11.4.3.Product portfolio
- 11.5.INTERSTATE GRATINGS LLC
  - 11.5.1.Company overview
  - 11.5.2.Company snapshot
  - 11.5.3.Product portfolio
- 11.6.IKG
  - 11.6.1.Company overview
  - 11.6.2.Company snapshot
  - 11.6.3.Product portfolio
- 11.7.LICHTGITTER GMBH
  - 11.7.1.Company overview
  - 11.7.2.Company snapshot
  - 11.7.3.Product portfolio
  - 11.7.4.Key strategic moves and developments
- 11.8.MCNICHOLS CO. INC.
  - 11.8.1.Company overview
  - 11.8.2.Company snapshot
  - 11.8.3.Product portfolio
- 11.9.NUCOR CORPORATION
  - 11.9.1.Company overview
  - 11.9.2.Company snapshot
  - 11.9.3.Operating business segments
  - 11.9.4.Product portfolio
  - 11.9.5.Business performance
- 11.10.P&R METALS INC.
  - 11.10.1.Company overview
  - 11.10.2.Company snapshot
  - 11.10.3.Product portfolio
- 11.11.VALMONT INDUSTRIES INC.
  - 11.11.1.Company overview
  - 11.11.2.Company snapshot
  - 11.11.3.Operating business segments
  - 11.11.4.Product portfolio
  - 11.11.5.Business performance

## List Of Tables

### LIST OF TABLES

TABLE 01.	U.S. STEEL GRATING MARKET, AVERAGE PRICING (\$/TON)
TABLE 02.	U.S. STEEL GRATING MARKET, BY MATERIAL TYPE, 2019-2027 (KILOTONS)
TABLE 03.	U.S. STEEL GRATING MARKET, BY MATERIAL TYPE, 2019-2027 (\$MILLION)
TABLE 04.	U.S. STEEL GRATING MARKET, BY SURFACE TYPE, 2019-2027 (KILOTONS)
TABLE 05.	U.S. STEEL GRATING MARKET, BY SURFACE TYPE, 2019-2027 (\$MILLION)
TABLE 06.	U.S. STEEL GRATING MARKET, BY FABRICATION, 2019-2027 (TONS)
TABLE 07.	U.S. STEEL GRATING MARKET, BY FABRICATION, 2019-2027 (\$MILLION)
TABLE 08.	U.S. STEEL GRATING MARKET, BY APPLICATION, 2019-2027 (KILOTONS)
TABLE 09.	U.S. STEEL GRATING MARKET, BY APPLICATION, 2019-2027 (\$MILLION)
TABLE 10.	U.S. STEEL GRATING MARKET, BY END-USE INDUSTRY, 2019-2027 (TONS)
TABLE 11.	U.S. STEEL GRATING MARKET, BY END-USE INDUSTRY, 2019-2027 (\$MILLION)
TABLE 12.	U.S. STEEL GRATING MARKET, BY REGION, 2019-2027 (KILOTONS)
TABLE 13.	U.S. STEEL GRATING MARKET, BY REGION, 2019-2027 (\$MILLION)
TABLE 14.	ACQUISITION AND EXPANSION
TABLE 15.	EATON: COMPANY SNAPSHOT
TABLE 16.	EATON: OPERATING SEGMENTS
TABLE 17.	EATON: PRODUCT PORTFOLIO
TABLE 18.	OVERALL FINANCIAL STATUS (\$MILLION)
TABLE 19.	FARWEST: COMPANY SNAPSHOT
TABLE 20.	FARWEST: PRODUCT PORTFOLIO
TABLE 21.	FARWEST: KEY STRATEGIC MOVES AND DEVELOPMENTS
TABLE 22.	GRATING PACIFIC: COMPANY SNAPSHOT
TABLE 23.	GRATING PACIFIC: PRODUCT PORTFOLIO
TABLE 24.	INDIANA GRATINGS: COMPANY SNAPSHOT
TABLE 25.	INDIANA GRATINGS: PRODUCT PORTFOLIO
TABLE 26.	INTERSTATE GRATINGS: COMPANY SNAPSHOT

TABLE 27.INTERSTATE GRATINGS: PRODUCT PORTFOLIO

TABLE 28.IKG: COMPANY SNAPSHOT

TABLE 29.IKG: PRODUCT PORTFOLIO

TABLE 30.LICHTGITTER: COMPANY SNAPSHOT

TABLE 31.LICHTGITTER: PRODUCT PORTFOLIO

TABLE 32.LICHTGITTER: KEY STRATEGIC MOVES AND DEVELOPMENTS

TABLE 33.MCNICHOLS: COMPANY SNAPSHOT

TABLE 34.MCNICHOLS: PRODUCT PORTFOLIO

TABLE 35.NUCOR: COMPANY SNAPSHOT

TABLE 36.NUCOR: OPERATING SEGMENTS

TABLE 37.NUCOR: PRODUCT PORTFOLIO

TABLE 38.OVERALL FINANCIAL STATUS (\$MILLION)

TABLE 39.P&R METALS: COMPANY SNAPSHOT

TABLE 40.P&R METALS: PRODUCT PORTFOLIO

TABLE 41.VALMONT: COMPANY SNAPSHOT

TABLE 42.VALMONT: OPERATING SEGMENTS

TABLE 43.VALMONT: PRODUCT PORTFOLIO

TABLE 44.OVERALL FINANCIAL STATUS (\$MILLION)

## List Of Figures

### LIST OF FIGURES

FIGURE 01.EXECUTIVE SUMMARY

FIGURE 02.U.S. STEEL GRATING MARKET SEGMENTATION

FIGURE 03.TOP INVESTMENT POCKETS, BY REGION

FIGURE 04.MODERATE BARGAINING POWER OF SUPPLIERS

FIGURE 05.HIGH BARGAINING POWER OF BUYERS

FIGURE 06.MODERATE THREAT OF NEW ENTRANTS

FIGURE 07.LOW THREAT OF SUBSTITUTES

FIGURE 08.MODERATE INTENSITY OF COMPETITIVE RIVALRY

FIGURE 09.U.S. STEEL GRATING MARKET DYNAMICS

FIGURE 10.U.S. STEEL GRATING MARKET, BY MATERIAL TYPE, 2019 VS 2027  
(\$MILLION)

FIGURE 11.U.S. STEEL GRATING MARKET, BY SURFACE TYPE, 2019 VS 2027  
(\$MILLION)

FIGURE 12.U.S. STEEL GRATING MARKET, BY FABRICATION, 2019 VS 2027  
(\$MILLION)

FIGURE 13.U.S. STEEL GRATING MARKET, BY APPLICATION, 2019 VS 2027  
(\$MILLION)

FIGURE 14.U.S. STEEL GRATING MARKET, BY END-USE INDUSTRY, 2019 VS  
2027 (\$MILLION)

FIGURE 15.U.S. STEEL GRATING MARKET, BY REGION, 2019 VS 2027 (\$MILLION)

FIGURE 16.PRODUCT MAPPING OF KEY PLAYERS

FIGURE 17.COMPETITIVE HEATMAP OF KEY PLAYERS

FIGURE 18.EATON: REVENUE, 2017-2019 (\$MILLION)

FIGURE 19.EATON: REVENUE SHARE BY SEGMENT, 2019 (%)

FIGURE 20.EATON: REVENUE SHARE BY REGION, 2019 (%)

FIGURE 21.NUCOR: REVENUE, 2017–2019 (\$MILLION)

FIGURE 22.NUCOR: REVENUE SHARE BY SEGMENT, 2019 (%)

FIGURE 23.VALMONT: REVENUE, 2017–2019 (\$MILLION)

FIGURE 24.VALMONT: REVENUE SHARE BY SEGMENT, 2019 (%)

FIGURE 25.VALMONT: REVENUE SHARE BY REGION, 2019 (%)

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Product name: U.S. Steel Grating Market by Material Type (Stainless Steel Grating, Carbon Steel Grating, and Aluminum Steel Grating), Surface Type (Plain Steel Grating and Serrated Steel Grating), Fabrication (Welded Steel Grating, Swage Locked Grating, Press Locked Grating, Riveted Grating, and Close Mesh Steel Grating), Application (Stair Treads, Walkways, Platforms, Security Fence, Drainage Covers, Trench Covers, and Others), and End-Use Industry (Food Processing, Pharmaceuticals, Cement, Steel, Chemical, Papermaking, Oil & Gas, Electric Power, Mining, Marine, Wastewater Treatment, Civil Engineering, and Others): Country Opportunity Analysis and Industry Forecast, 2020-2027

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