+357 96 030922
info@marketpublishers.com

Global Smart Parking Bollards Market Growth 2025-2031

https://marketpublishers.com/r/G638A526B3AAEN.html
Date: May 2025
Pages: 180
Price: US$ 3,660.00 (Single User License)
ID: G638A526B3AAEN

Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

The global PPLN Waveguide Chips market size is predicted to grow from US$ million in 2025 to US$ million in 2031; it is expected to grow at a CAGR of %from 2025 to 2031.

Following a strong growth of 26.2 percent in the year 2021, WSTS revised it down to a single digit growth for the worldwide semiconductor market in 2022 with a total size of US$580 billion, up 4.4 percent. WSTS lowered growth estimation as inflation rises and end markets seeing weaker demand, especially those exposed to consumer spending. While some major categories are still double-digit year-over-year growth in 2022, led by Analog with 20.8 percent, Sensors with 16.3 percent, and Logic with 14.5 percent growth. Memory declined with 12.6 percent year over year. In 2022, all geographical regions showed double-digit growth except Asia Pacific. The largest region, Asia Pacific, declined 2.0 percent. Sales in the Americas were US$142.1 billion, up 17.0% year-on-year, sales in Europe were US$53.8 billion, up 12.6% year-on-year, and sales in Japan were US$48.1 billion, up 10.0% year-on-year. However, sales in the largest Asia-Pacific region were US$336.2 billion, down 2.0% year-on-year.

LP Information, Inc. (LPI) ' newest research report, the “PPLN Waveguide Chips Industry Forecast” looks at past sales and reviews total world PPLN Waveguide Chips sales in 2024, providing a comprehensive analysis by region and market sector of projected PPLN Waveguide Chips sales for 2025 through 2031. With PPLN Waveguide Chips sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world PPLN Waveguide Chips industry.

This Insight Report provides a comprehensive analysis of the global PPLN Waveguide

+357 96 030922
info@marketpublishers.com

Chips landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on PPLN Waveguide Chips portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global PPLN Waveguide Chips market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for PPLN Waveguide Chips and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global PPLN Waveguide Chips.

This report presents a comprehensive overview, market shares, and growth opportunities of PPLN Waveguide Chips market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Proton in-diffused (RPE) Waveguides

Ridge-Waveguides

Segmentation by Application:

5G Communication

Big Data Processing

Others

This report also splits the market by region:

Americas

United States

+357 96 030922
info@marketpublishers.com

- Canada
- Mexico
- Brazil

APAC

- China
- Japan
- Korea
- Southeast Asia
- India
- Australia

Europe

- Germany
- France
- UK
- Italy
- Russia

Middle East & Africa

- Egypt
- South Africa

+357 96 030922
info@marketpublishers.com

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

HC Photonics (HCP)

Covesion

GWU-Lasertechnik

Optilab

Yichidianzi

AdvR

Key Questions Addressed in this Report

What is the 10-year outlook for the global PPLN Waveguide Chips market?

What factors are driving PPLN Waveguide Chips market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do PPLN Waveguide Chips market opportunities vary by end market size?

How does PPLN Waveguide Chips break out by Type, by Application?

+357 96 030922
info@marketpublishers.com

Contents

1 SCOPE OF THE REPORT

1.1 Market Introduction
1.2 Years Considered
1.3 Research Objectives
1.4 Market Research Methodology
1.5 Research Process and Data Source
1.6 Economic Indicators
1.7 Currency Considered
1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview
  2.1.1 Global Smart Parking Bollards Annual Sales 2020-2031
  2.1.2 World Current & Future Analysis for Smart Parking Bollards by Geographic Region, 2020, 2024 & 2031
  2.1.3 World Current & Future Analysis for Smart Parking Bollards by Country/Region, 2020, 2024 & 2031
2.2 Smart Parking Bollards Segment by Type
  2.2.1 Hydraulic Powered
  2.2.2 Pneumatic Powered
  2.2.3 Electric Powered
2.3 Smart Parking Bollards Sales by Type
  2.3.1 Global Smart Parking Bollards Sales Market Share by Type (2020-2025)
  2.3.2 Global Smart Parking Bollards Revenue and Market Share by Type (2020-2025)
  2.3.3 Global Smart Parking Bollards Sale Price by Type (2020-2025)
2.4 Smart Parking Bollards Segment by Application
  2.4.1 Residential
  2.4.2 Commercial
  2.4.3 Others
2.5 Smart Parking Bollards Sales by Application
  2.5.1 Global Smart Parking Bollards Sale Market Share by Application (2020-2025)
  2.5.2 Global Smart Parking Bollards Revenue and Market Share by Application (2020-2025)
  2.5.3 Global Smart Parking Bollards Sale Price by Application (2020-2025)

+357 96 030922
info@marketpublishers.com

3 GLOBAL BY COMPANY

3.1 Global Smart Parking Bollards Breakdown Data by Company
3.1.1 Global Smart Parking Bollards Annual Sales by Company (2020-2025)
3.1.2 Global Smart Parking Bollards Sales Market Share by Company (2020-2025)
3.2 Global Smart Parking Bollards Annual Revenue by Company (2020-2025)
3.2.1 Global Smart Parking Bollards Revenue by Company (2020-2025)
3.2.2 Global Smart Parking Bollards Revenue Market Share by Company (2020-2025)
3.3 Global Smart Parking Bollards Sale Price by Company
3.4 Key Manufacturers Smart Parking Bollards Producing Area Distribution, Sales Area, Product Type
3.4.1 Key Manufacturers Smart Parking Bollards Product Location Distribution
3.4.2 Players Smart Parking Bollards Products Offered
3.5 Market Concentration Rate Analysis
3.5.1 Competition Landscape Analysis
3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)
3.6 New Products and Potential Entrants
3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR SMART PARKING BOLLARDS BY GEOGRAPHIC REGION

4.1 World Historic Smart Parking Bollards Market Size by Geographic Region (2020-2025)
4.1.1 Global Smart Parking Bollards Annual Sales by Geographic Region (2020-2025)
4.1.2 Global Smart Parking Bollards Annual Revenue by Geographic Region (2020-2025)
4.2 World Historic Smart Parking Bollards Market Size by Country/Region (2020-2025)
4.2.1 Global Smart Parking Bollards Annual Sales by Country/Region (2020-2025)
4.2.2 Global Smart Parking Bollards Annual Revenue by Country/Region (2020-2025)
4.3 Americas Smart Parking Bollards Sales Growth
4.4 APAC Smart Parking Bollards Sales Growth
4.5 Europe Smart Parking Bollards Sales Growth
4.6 Middle East & Africa Smart Parking Bollards Sales Growth

5 AMERICAS

5.1 Americas Smart Parking Bollards Sales by Country
5.1.1 Americas Smart Parking Bollards Sales by Country (2020-2025)

+357 96 030922
info@marketpublishers.com

5.1.2 Americas Smart Parking Bollards Revenue by Country (2020-2025)
5.2 Americas Smart Parking Bollards Sales by Type (2020-2025)
5.3 Americas Smart Parking Bollards Sales by Application (2020-2025)
5.4 United States
5.5 Canada
5.6 Mexico
5.7 Brazil

6 APAC

6.1 APAC Smart Parking Bollards Sales by Region
6.1.1 APAC Smart Parking Bollards Sales by Region (2020-2025)
6.1.2 APAC Smart Parking Bollards Revenue by Region (2020-2025)
6.2 APAC Smart Parking Bollards Sales by Type (2020-2025)
6.3 APAC Smart Parking Bollards Sales by Application (2020-2025)
6.4 China
6.5 Japan
6.6 South Korea
6.7 Southeast Asia
6.8 India
6.9 Australia
6.10 China Taiwan

7 EUROPE

7.1 Europe Smart Parking Bollards by Country
7.1.1 Europe Smart Parking Bollards Sales by Country (2020-2025)
7.1.2 Europe Smart Parking Bollards Revenue by Country (2020-2025)
7.2 Europe Smart Parking Bollards Sales by Type (2020-2025)
7.3 Europe Smart Parking Bollards Sales by Application (2020-2025)
7.4 Germany
7.5 France
7.6 UK
7.7 Italy
7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Smart Parking Bollards by Country

+357 96 030922
info@marketpublishers.com

8.1.1 Middle East & Africa Smart Parking Bollards Sales by Country (2020-2025)
8.1.2 Middle East & Africa Smart Parking Bollards Revenue by Country (2020-2025)
8.2 Middle East & Africa Smart Parking Bollards Sales by Type (2020-2025)
8.3 Middle East & Africa Smart Parking Bollards Sales by Application (2020-2025)
8.4 Egypt
8.5 South Africa
8.6 Israel
8.7 Turkey
8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities
9.2 Market Challenges & Risks
9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers
10.2 Manufacturing Cost Structure Analysis of Smart Parking Bollards
10.3 Manufacturing Process Analysis of Smart Parking Bollards
10.4 Industry Chain Structure of Smart Parking Bollards

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel
11.1.1 Direct Channels
11.1.2 Indirect Channels
11.2 Smart Parking Bollards Distributors
11.3 Smart Parking Bollards Customer

12 WORLD FORECAST REVIEW FOR SMART PARKING BOLLARDS BY GEOGRAPHIC REGION

12.1 Global Smart Parking Bollards Market Size Forecast by Region
12.1.1 Global Smart Parking Bollards Forecast by Region (2026-2031)
12.1.2 Global Smart Parking Bollards Annual Revenue Forecast by Region (2026-2031)
12.2 Americas Forecast by Country (2026-2031)

+357 96 030922
info@marketpublishers.com

12.3 APAC Forecast by Region (2026-2031)
12.4 Europe Forecast by Country (2026-2031)
12.5 Middle East & Africa Forecast by Country (2026-2031)
12.6 Global Smart Parking Bollards Forecast by Type (2026-2031)
12.7 Global Smart Parking Bollards Forecast by Application (2026-2031)

13 KEY PLAYERS ANALYSIS

13.1 AIRA
  13.1.1 AIRA Company Information
  13.1.2 AIRA Smart Parking Bollards Product Portfolios and Specifications
  13.1.3 AIRA Smart Parking Bollards Sales, Revenue, Price and Gross Margin (2020-2025)
  13.1.4 AIRA Main Business Overview
  13.1.5 AIRA Latest Developments
13.2 NOVATILU
  13.2.1 NOVATILU Company Information
  13.2.2 NOVATILU Smart Parking Bollards Product Portfolios and Specifications
  13.2.3 NOVATILU Smart Parking Bollards Sales, Revenue, Price and Gross Margin (2020-2025)
  13.2.4 NOVATILU Main Business Overview
  13.2.5 NOVATILU Latest Developments
13.3 Streetscape
  13.3.1 Streetscape Company Information
  13.3.2 Streetscape Smart Parking Bollards Product Portfolios and Specifications
  13.3.3 Streetscape Smart Parking Bollards Sales, Revenue, Price and Gross Margin (2020-2025)
  13.3.4 Streetscape Main Business Overview
  13.3.5 Streetscape Latest Developments
13.4 E-Station
  13.4.1 E-Station Company Information
  13.4.2 E-Station Smart Parking Bollards Product Portfolios and Specifications
  13.4.3 E-Station Smart Parking Bollards Sales, Revenue, Price and Gross Margin (2020-2025)
  13.4.4 E-Station Main Business Overview
  13.4.5 E-Station Latest Developments
13.5 Consel Group
  13.5.1 Consel Group Company Information
  13.5.2 Consel Group Smart Parking Bollards Product Portfolios and Specifications

+357 96 030922
info@marketpublishers.com

13.5.3 Consel Group Smart Parking Bollards Sales, Revenue, Price and Gross Margin (2020-2025)
13.5.4 Consel Group Main Business Overview
13.5.5 Consel Group Latest Developments
13.6 Gogoro
13.6.1 Gogoro Company Information
13.6.2 Gogoro Smart Parking Bollards Product Portfolios and Specifications
13.6.3 Gogoro Smart Parking Bollards Sales, Revenue, Price and Gross Margin (2020-2025)
13.6.4 Gogoro Main Business Overview
13.6.5 Gogoro Latest Developments
13.7 Sydney Parking Solutions
13.7.1 Sydney Parking Solutions Company Information
13.7.2 Sydney Parking Solutions Smart Parking Bollards Product Portfolios and Specifications
13.7.3 Sydney Parking Solutions Smart Parking Bollards Sales, Revenue, Price and Gross Margin (2020-2025)
13.7.4 Sydney Parking Solutions Main Business Overview
13.7.5 Sydney Parking Solutions Latest Developments
13.8 Parklio
13.8.1 Parklio Company Information
13.8.2 Parklio Smart Parking Bollards Product Portfolios and Specifications
13.8.3 Parklio Smart Parking Bollards Sales, Revenue, Price and Gross Margin (2020-2025)
13.8.4 Parklio Main Business Overview
13.8.5 Parklio Latest Developments
13.9 PShare
13.9.1 PShare Company Information
13.9.2 PShare Smart Parking Bollards Product Portfolios and Specifications
13.9.3 PShare Smart Parking Bollards Sales, Revenue, Price and Gross Margin (2020-2025)
13.9.4 PShare Main Business Overview
13.9.5 PShare Latest Developments
13.10 SecureSpot
13.10.1 SecureSpot Company Information
13.10.2 SecureSpot Smart Parking Bollards Product Portfolios and Specifications
13.10.3 SecureSpot Smart Parking Bollards Sales, Revenue, Price and Gross Margin (2020-2025)
13.10.4 SecureSpot Main Business Overview

+357 96 030922
info@marketpublishers.com

13.10.5 SecureSpot Latest Developments
13.11 Calpipe Industries (Atkore)
13.11.1 Calpipe Industries (Atkore) Company Information
13.11.2 Calpipe Industries (Atkore) Smart Parking Bollards Product Portfolios and Specifications
13.11.3 Calpipe Industries (Atkore) Smart Parking Bollards Sales, Revenue, Price and Gross Margin (2020-2025)
13.11.4 Calpipe Industries (Atkore) Main Business Overview
13.11.5 Calpipe Industries (Atkore) Latest Developments
13.12 FAAC
13.12.1 FAAC Company Information
13.12.2 FAAC Smart Parking Bollards Product Portfolios and Specifications
13.12.3 FAAC Smart Parking Bollards Sales, Revenue, Price and Gross Margin (2020-2025)
13.12.4 FAAC Main Business Overview
13.12.5 FAAC Latest Developments
13.13 ATG Access
13.13.1 ATG Access Company Information
13.13.2 ATG Access Smart Parking Bollards Product Portfolios and Specifications
13.13.3 ATG Access Smart Parking Bollards Sales, Revenue, Price and Gross Margin (2020-2025)
13.13.4 ATG Access Main Business Overview
13.13.5 ATG Access Latest Developments
13.14 APT Controls Group (SWARCO)
13.14.1 APT Controls Group (SWARCO) Company Information
13.14.2 APT Controls Group (SWARCO) Smart Parking Bollards Product Portfolios and Specifications
13.14.3 APT Controls Group (SWARCO) Smart Parking Bollards Sales, Revenue, Price and Gross Margin (2020-2025)
13.14.4 APT Controls Group (SWARCO) Main Business Overview
13.14.5 APT Controls Group (SWARCO) Latest Developments
13.15 Leda Security
13.15.1 Leda Security Company Information
13.15.2 Leda Security Smart Parking Bollards Product Portfolios and Specifications
13.15.3 Leda Security Smart Parking Bollards Sales, Revenue, Price and Gross Margin (2020-2025)
13.15.4 Leda Security Main Business Overview
13.15.5 Leda Security Latest Developments
13.16 Pilomat

+357 96 030922
info@marketpublishers.com

13.16.1 Pilomat Company Information
13.16.2 Pilomat Smart Parking Bollards Product Portfolios and Specifications
13.16.3 Pilomat Smart Parking Bollards Sales, Revenue, Price and Gross Margin (2020-2025)
13.16.4 Pilomat Main Business Overview
13.16.5 Pilomat Latest Developments
13.17 CAME
13.17.1 CAME Company Information
13.17.2 CAME Smart Parking Bollards Product Portfolios and Specifications
13.17.3 CAME Smart Parking Bollards Sales, Revenue, Price and Gross Margin (2020-2025)
13.17.4 CAME Main Business Overview
13.17.5 CAME Latest Developments
13.18 Marshalls
13.18.1 Marshalls Company Information
13.18.2 Marshalls Smart Parking Bollards Product Portfolios and Specifications
13.18.3 Marshalls Smart Parking Bollards Sales, Revenue, Price and Gross Margin (2020-2025)
13.18.4 Marshalls Main Business Overview
13.18.5 Marshalls Latest Developments
13.19 Avon Barrier
13.19.1 Avon Barrier Company Information
13.19.2 Avon Barrier Smart Parking Bollards Product Portfolios and Specifications
13.19.3 Avon Barrier Smart Parking Bollards Sales, Revenue, Price and Gross Margin (2020-2025)
13.19.4 Avon Barrier Main Business Overview
13.19.5 Avon Barrier Latest Developments
13.20 La Barriere Automatique
13.20.1 La Barriere Automatique Company Information
13.20.2 La Barriere Automatique Smart Parking Bollards Product Portfolios and Specifications
13.20.3 La Barriere Automatique Smart Parking Bollards Sales, Revenue, Price and Gross Margin (2020-2025)
13.20.4 La Barriere Automatique Main Business Overview
13.20.5 La Barriere Automatique Latest Developments
13.21 RIB Srl
13.21.1 RIB Srl Company Information
13.21.2 RIB Srl Smart Parking Bollards Product Portfolios and Specifications
13.21.3 RIB Srl Smart Parking Bollards Sales, Revenue, Price and Gross Margin

+357 96 030922
info@marketpublishers.com

(2020-2025)
13.21.4 RIB Srl Main Business Overview
13.21.5 RIB Srl Latest Developments
13.22 O&O Srl
13.22.1 O&O Srl Company Information
13.22.2 O&O Srl Smart Parking Bollards Product Portfolios and Specifications
13.22.3 O&O Srl Smart Parking Bollards Sales, Revenue, Price and Gross Margin (2020-2025)
13.22.4 O&O Srl Main Business Overview
13.22.5 O&O Srl Latest Developments
13.23 Ramguard Bollards
13.23.1 Ramguard Bollards Company Information
13.23.2 Ramguard Bollards Smart Parking Bollards Product Portfolios and Specifications
13.23.3 Ramguard Bollards Smart Parking Bollards Sales, Revenue, Price and Gross Margin (2020-2025)
13.23.4 Ramguard Bollards Main Business Overview
13.23.5 Ramguard Bollards Latest Developments
13.24 Hangzhou Dinglong
13.24.1 Hangzhou Dinglong Company Information
13.24.2 Hangzhou Dinglong Smart Parking Bollards Product Portfolios and Specifications
13.24.3 Hangzhou Dinglong Smart Parking Bollards Sales, Revenue, Price and Gross Margin (2020-2025)
13.24.4 Hangzhou Dinglong Main Business Overview
13.24.5 Hangzhou Dinglong Latest Developments
13.25 Bnova
13.25.1 Bnova Company Information
13.25.2 Bnova Smart Parking Bollards Product Portfolios and Specifications
13.25.3 Bnova Smart Parking Bollards Sales, Revenue, Price and Gross Margin (2020-2025)
13.25.4 Bnova Main Business Overview
13.25.5 Bnova Latest Developments
13.26 Beijing Zhuoao
13.26.1 Beijing Zhuoao Company Information
13.26.2 Beijing Zhuoao Smart Parking Bollards Product Portfolios and Specifications
13.26.3 Beijing Zhuoao Smart Parking Bollards Sales, Revenue, Price and Gross Margin (2020-2025)
13.26.4 Beijing Zhuoao Main Business Overview

+357 96 030922
info@marketpublishers.com

13.26.5 Beijing Zhuoao Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

Table 1. Smart Parking Bollards Annual Sales CAGR by Geographic Region (2020, 2024 & 2031) & ($ millions)
Table 2. Smart Parking Bollards Annual Sales CAGR by Country/Region (2020, 2024 & 2031) & ($ millions)
Table 3. Major Players of Hydraulic Powered
Table 4. Major Players of Pneumatic Powered
Table 5. Major Players of Electric Powered
Table 6. Global Smart Parking Bollards Sales by Type (2020-2025) & (K Units)
Table 7. Global Smart Parking Bollards Sales Market Share by Type (2020-2025)
Table 8. Global Smart Parking Bollards Revenue by Type (2020-2025) & ($ million)
Table 9. Global Smart Parking Bollards Revenue Market Share by Type (2020-2025)
Table 10. Global Smart Parking Bollards Sale Price by Type (2020-2025) & (US$/Unit)
Table 11. Global Smart Parking Bollards Sale by Application (2020-2025) & (K Units)
Table 12. Global Smart Parking Bollards Sale Market Share by Application (2020-2025)
Table 13. Global Smart Parking Bollards Revenue by Application (2020-2025) & ($ million)
Table 14. Global Smart Parking Bollards Revenue Market Share by Application (2020-2025)
Table 15. Global Smart Parking Bollards Sale Price by Application (2020-2025) & (US$/Unit)
Table 16. Global Smart Parking Bollards Sales by Company (2020-2025) & (K Units)
Table 17. Global Smart Parking Bollards Sales Market Share by Company (2020-2025)
Table 18. Global Smart Parking Bollards Revenue by Company (2020-2025) & ($ millions)
Table 19. Global Smart Parking Bollards Revenue Market Share by Company (2020-2025)
Table 20. Global Smart Parking Bollards Sale Price by Company (2020-2025) & (US$/Unit)
Table 21. Key Manufacturers Smart Parking Bollards Producing Area Distribution and Sales Area
Table 22. Players Smart Parking Bollards Products Offered
Table 23. Smart Parking Bollards Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)
Table 24. New Products and Potential Entrants
Table 25. Market M&A Activity & Strategy

+357 96 030922
info@marketpublishers.com

Table 26. Global Smart Parking Bollards Sales by Geographic Region (2020-2025) & (K Units)
Table 27. Global Smart Parking Bollards Sales Market Share Geographic Region (2020-2025)
Table 28. Global Smart Parking Bollards Revenue by Geographic Region (2020-2025) & ($ millions)
Table 29. Global Smart Parking Bollards Revenue Market Share by Geographic Region (2020-2025)
Table 30. Global Smart Parking Bollards Sales by Country/Region (2020-2025) & (K Units)
Table 31. Global Smart Parking Bollards Sales Market Share by Country/Region (2020-2025)
Table 32. Global Smart Parking Bollards Revenue by Country/Region (2020-2025) & ($ millions)
Table 33. Global Smart Parking Bollards Revenue Market Share by Country/Region (2020-2025)
Table 34. Americas Smart Parking Bollards Sales by Country (2020-2025) & (K Units)
Table 35. Americas Smart Parking Bollards Sales Market Share by Country (2020-2025)
Table 36. Americas Smart Parking Bollards Revenue by Country (2020-2025) & ($ millions)
Table 37. Americas Smart Parking Bollards Sales by Type (2020-2025) & (K Units)
Table 38. Americas Smart Parking Bollards Sales by Application (2020-2025) & (K Units)
Table 39. APAC Smart Parking Bollards Sales by Region (2020-2025) & (K Units)
Table 40. APAC Smart Parking Bollards Sales Market Share by Region (2020-2025)
Table 41. APAC Smart Parking Bollards Revenue by Region (2020-2025) & ($ millions)
Table 42. APAC Smart Parking Bollards Sales by Type (2020-2025) & (K Units)
Table 43. APAC Smart Parking Bollards Sales by Application (2020-2025) & (K Units)
Table 44. Europe Smart Parking Bollards Sales by Country (2020-2025) & (K Units)
Table 45. Europe Smart Parking Bollards Revenue by Country (2020-2025) & ($ millions)
Table 46. Europe Smart Parking Bollards Sales by Type (2020-2025) & (K Units)
Table 47. Europe Smart Parking Bollards Sales by Application (2020-2025) & (K Units)
Table 48. Middle East & Africa Smart Parking Bollards Sales by Country (2020-2025) & (K Units)
Table 49. Middle East & Africa Smart Parking Bollards Revenue Market Share by Country (2020-2025)
Table 50. Middle East & Africa Smart Parking Bollards Sales by Type (2020-2025) & (K

+357 96 030922
info@marketpublishers.com

Units)
Table 51. Middle East & Africa Smart Parking Bollards Sales by Application (2020-2025) & (K Units)
Table 52. Key Market Drivers & Growth Opportunities of Smart Parking Bollards
Table 53. Key Market Challenges & Risks of Smart Parking Bollards
Table 54. Key Industry Trends of Smart Parking Bollards
Table 55. Smart Parking Bollards Raw Material
Table 56. Key Suppliers of Raw Materials
Table 57. Smart Parking Bollards Distributors List
Table 58. Smart Parking Bollards Customer List
Table 59. Global Smart Parking Bollards Sales Forecast by Region (2026-2031) & (K Units)
Table 60. Global Smart Parking Bollards Revenue Forecast by Region (2026-2031) & ($ millions)
Table 61. Americas Smart Parking Bollards Sales Forecast by Country (2026-2031) & (K Units)
Table 62. Americas Smart Parking Bollards Annual Revenue Forecast by Country (2026-2031) & ($ millions)
Table 63. APAC Smart Parking Bollards Sales Forecast by Region (2026-2031) & (K Units)
Table 64. APAC Smart Parking Bollards Annual Revenue Forecast by Region (2026-2031) & ($ millions)
Table 65. Europe Smart Parking Bollards Sales Forecast by Country (2026-2031) & (K Units)
Table 66. Europe Smart Parking Bollards Revenue Forecast by Country (2026-2031) & ($ millions)
Table 67. Middle East & Africa Smart Parking Bollards Sales Forecast by Country (2026-2031) & (K Units)
Table 68. Middle East & Africa Smart Parking Bollards Revenue Forecast by Country (2026-2031) & ($ millions)
Table 69. Global Smart Parking Bollards Sales Forecast by Type (2026-2031) & (K Units)
Table 70. Global Smart Parking Bollards Revenue Forecast by Type (2026-2031) & ($ millions)
Table 71. Global Smart Parking Bollards Sales Forecast by Application (2026-2031) & (K Units)
Table 72. Global Smart Parking Bollards Revenue Forecast by Application (2026-2031) & ($ millions)
Table 73. AIRA Basic Information, Smart Parking Bollards Manufacturing Base, Sales

+357 96 030922
info@marketpublishers.com

Area and Its Competitors
Table 74. AIRA Smart Parking Bollards Product Portfolios and Specifications
Table 75. AIRA Smart Parking Bollards Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 76. AIRA Main Business
Table 77. AIRA Latest Developments
Table 78. NOVATILU Basic Information, Smart Parking Bollards Manufacturing Base, Sales Area and Its Competitors
Table 79. NOVATILU Smart Parking Bollards Product Portfolios and Specifications
Table 80. NOVATILU Smart Parking Bollards Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 81. NOVATILU Main Business
Table 82. NOVATILU Latest Developments
Table 83. Streetscape Basic Information, Smart Parking Bollards Manufacturing Base, Sales Area and Its Competitors
Table 84. Streetscape Smart Parking Bollards Product Portfolios and Specifications
Table 85. Streetscape Smart Parking Bollards Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 86. Streetscape Main Business
Table 87. Streetscape Latest Developments
Table 88. E-Station Basic Information, Smart Parking Bollards Manufacturing Base, Sales Area and Its Competitors
Table 89. E-Station Smart Parking Bollards Product Portfolios and Specifications
Table 90. E-Station Smart Parking Bollards Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 91. E-Station Main Business
Table 92. E-Station Latest Developments
Table 93. Consel Group Basic Information, Smart Parking Bollards Manufacturing Base, Sales Area and Its Competitors
Table 94. Consel Group Smart Parking Bollards Product Portfolios and Specifications
Table 95. Consel Group Smart Parking Bollards Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 96. Consel Group Main Business
Table 97. Consel Group Latest Developments
Table 98. Gogoro Basic Information, Smart Parking Bollards Manufacturing Base, Sales Area and Its Competitors
Table 99. Gogoro Smart Parking Bollards Product Portfolios and Specifications
Table 100. Gogoro Smart Parking Bollards Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)

+357 96 030922
info@marketpublishers.com

Table 101. Gogoro Main Business
Table 102. Gogoro Latest Developments
Table 103. Sydney Parking Solutions Basic Information, Smart Parking Bollards Manufacturing Base, Sales Area and Its Competitors
Table 104. Sydney Parking Solutions Smart Parking Bollards Product Portfolios and Specifications
Table 105. Sydney Parking Solutions Smart Parking Bollards Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 106. Sydney Parking Solutions Main Business
Table 107. Sydney Parking Solutions Latest Developments
Table 108. Parklio Basic Information, Smart Parking Bollards Manufacturing Base, Sales Area and Its Competitors
Table 109. Parklio Smart Parking Bollards Product Portfolios and Specifications
Table 110. Parklio Smart Parking Bollards Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 111. Parklio Main Business
Table 112. Parklio Latest Developments
Table 113. PShare Basic Information, Smart Parking Bollards Manufacturing Base, Sales Area and Its Competitors
Table 114. PShare Smart Parking Bollards Product Portfolios and Specifications
Table 115. PShare Smart Parking Bollards Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 116. PShare Main Business
Table 117. PShare Latest Developments
Table 118. SecureSpot Basic Information, Smart Parking Bollards Manufacturing Base, Sales Area and Its Competitors
Table 119. SecureSpot Smart Parking Bollards Product Portfolios and Specifications
Table 120. SecureSpot Smart Parking Bollards Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 121. SecureSpot Main Business
Table 122. SecureSpot Latest Developments
Table 123. Calpipe Industries (Atkore) Basic Information, Smart Parking Bollards Manufacturing Base, Sales Area and Its Competitors
Table 124. Calpipe Industries (Atkore) Smart Parking Bollards Product Portfolios and Specifications
Table 125. Calpipe Industries (Atkore) Smart Parking Bollards Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 126. Calpipe Industries (Atkore) Main Business
Table 127. Calpipe Industries (Atkore) Latest Developments

+357 96 030922
info@marketpublishers.com

Table 128. FAAC Basic Information, Smart Parking Bollards Manufacturing Base, Sales Area and Its Competitors
Table 129. FAAC Smart Parking Bollards Product Portfolios and Specifications
Table 130. FAAC Smart Parking Bollards Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 131. FAAC Main Business
Table 132. FAAC Latest Developments
Table 133. ATG Access Basic Information, Smart Parking Bollards Manufacturing Base, Sales Area and Its Competitors
Table 134. ATG Access Smart Parking Bollards Product Portfolios and Specifications
Table 135. ATG Access Smart Parking Bollards Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 136. ATG Access Main Business
Table 137. ATG Access Latest Developments
Table 138. APT Controls Group (SWARCO) Basic Information, Smart Parking Bollards Manufacturing Base, Sales Area and Its Competitors
Table 139. APT Controls Group (SWARCO) Smart Parking Bollards Product Portfolios and Specifications
Table 140. APT Controls Group (SWARCO) Smart Parking Bollards Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 141. APT Controls Group (SWARCO) Main Business
Table 142. APT Controls Group (SWARCO) Latest Developments
Table 143. Leda Security Basic Information, Smart Parking Bollards Manufacturing Base, Sales Area and Its Competitors
Table 144. Leda Security Smart Parking Bollards Product Portfolios and Specifications
Table 145. Leda Security Smart Parking Bollards Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 146. Leda Security Main Business
Table 147. Leda Security Latest Developments
Table 148. Pilomat Basic Information, Smart Parking Bollards Manufacturing Base, Sales Area and Its Competitors
Table 149. Pilomat Smart Parking Bollards Product Portfolios and Specifications
Table 150. Pilomat Smart Parking Bollards Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 151. Pilomat Main Business
Table 152. Pilomat Latest Developments
Table 153. CAME Basic Information, Smart Parking Bollards Manufacturing Base, Sales Area and Its Competitors
Table 154. CAME Smart Parking Bollards Product Portfolios and Specifications

+357 96 030922
info@marketpublishers.com

Table 155. CAME Smart Parking Bollards Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 156. CAME Main Business
Table 157. CAME Latest Developments
Table 158. Marshalls Basic Information, Smart Parking Bollards Manufacturing Base, Sales Area and Its Competitors
Table 159. Marshalls Smart Parking Bollards Product Portfolios and Specifications
Table 160. Marshalls Smart Parking Bollards Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 161. Marshalls Main Business
Table 162. Marshalls Latest Developments
Table 163. Avon Barrier Basic Information, Smart Parking Bollards Manufacturing Base, Sales Area and Its Competitors
Table 164. Avon Barrier Smart Parking Bollards Product Portfolios and Specifications
Table 165. Avon Barrier Smart Parking Bollards Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 166. Avon Barrier Main Business
Table 167. Avon Barrier Latest Developments
Table 168. La Barriere Automatique Basic Information, Smart Parking Bollards Manufacturing Base, Sales Area and Its Competitors
Table 169. La Barriere Automatique Smart Parking Bollards Product Portfolios and Specifications
Table 170. La Barriere Automatique Smart Parking Bollards Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 171. La Barriere Automatique Main Business
Table 172. La Barriere Automatique Latest Developments
Table 173. RIB Srl Basic Information, Smart Parking Bollards Manufacturing Base, Sales Area and Its Competitors
Table 174. RIB Srl Smart Parking Bollards Product Portfolios and Specifications
Table 175. RIB Srl Smart Parking Bollards Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 176. RIB Srl Main Business
Table 177. RIB Srl Latest Developments
Table 178. O&O Srl Basic Information, Smart Parking Bollards Manufacturing Base, Sales Area and Its Competitors
Table 179. O&O Srl Smart Parking Bollards Product Portfolios and Specifications
Table 180. O&O Srl Smart Parking Bollards Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 181. O&O Srl Main Business

+357 96 030922
info@marketpublishers.com

Table 182. O&O Srl Latest Developments
Table 183. Ramguard Bollards Basic Information, Smart Parking Bollards Manufacturing Base, Sales Area and Its Competitors
Table 184. Ramguard Bollards Smart Parking Bollards Product Portfolios and Specifications
Table 185. Ramguard Bollards Smart Parking Bollards Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 186. Ramguard Bollards Main Business
Table 187. Ramguard Bollards Latest Developments
Table 188. Hangzhou Dinglong Basic Information, Smart Parking Bollards Manufacturing Base, Sales Area and Its Competitors
Table 189. Hangzhou Dinglong Smart Parking Bollards Product Portfolios and Specifications
Table 190. Hangzhou Dinglong Smart Parking Bollards Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 191. Hangzhou Dinglong Main Business
Table 192. Hangzhou Dinglong Latest Developments
Table 193. Bnova Basic Information, Smart Parking Bollards Manufacturing Base, Sales Area and Its Competitors
Table 194. Bnova Smart Parking Bollards Product Portfolios and Specifications
Table 195. Bnova Smart Parking Bollards Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 196. Bnova Main Business
Table 197. Bnova Latest Developments
Table 198. Beijing Zhuoao Basic Information, Smart Parking Bollards Manufacturing Base, Sales Area and Its Competitors
Table 199. Beijing Zhuoao Smart Parking Bollards Product Portfolios and Specifications
Table 200. Beijing Zhuoao Smart Parking Bollards Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 201. Beijing Zhuoao Main Business
Table 202. Beijing Zhuoao Latest Developments

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

Figure 1. Picture of Smart Parking Bollards
Figure 2. Smart Parking Bollards Report Years Considered
Figure 3. Research Objectives
Figure 4. Research Methodology
Figure 5. Research Process and Data Source
Figure 6. Global Smart Parking Bollards Sales Growth Rate 2020-2031 (K Units)
Figure 7. Global Smart Parking Bollards Revenue Growth Rate 2020-2031 ($ millions)
Figure 8. Smart Parking Bollards Sales by Geographic Region (2020, 2024 & 2031) & ($ millions)
Figure 9. Smart Parking Bollards Sales Market Share by Country/Region (2024)
Figure 10. Smart Parking Bollards Sales Market Share by Country/Region (2020, 2024 & 2031)
Figure 11. Product Picture of Hydraulic Powered
Figure 12. Product Picture of Pneumatic Powered
Figure 13. Product Picture of Electric Powered
Figure 14. Global Smart Parking Bollards Sales Market Share by Type in 2025
Figure 15. Global Smart Parking Bollards Revenue Market Share by Type (2020-2025)
Figure 16. Smart Parking Bollards Consumed in Residential
Figure 17. Global Smart Parking Bollards Market: Residential (2020-2025) & (K Units)
Figure 18. Smart Parking Bollards Consumed in Commercial
Figure 19. Global Smart Parking Bollards Market: Commercial (2020-2025) & (K Units)
Figure 20. Smart Parking Bollards Consumed in Others
Figure 21. Global Smart Parking Bollards Market: Others (2020-2025) & (K Units)
Figure 22. Global Smart Parking Bollards Sale Market Share by Application (2024)
Figure 23. Global Smart Parking Bollards Revenue Market Share by Application in 2025
Figure 24. Smart Parking Bollards Sales by Company in 2025 (K Units)
Figure 25. Global Smart Parking Bollards Sales Market Share by Company in 2025
Figure 26. Smart Parking Bollards Revenue by Company in 2025 ($ millions)
Figure 27. Global Smart Parking Bollards Revenue Market Share by Company in 2025
Figure 28. Global Smart Parking Bollards Sales Market Share by Geographic Region (2020-2025)
Figure 29. Global Smart Parking Bollards Revenue Market Share by Geographic Region in 2025
Figure 30. Americas Smart Parking Bollards Sales 2020-2025 (K Units)
Figure 31. Americas Smart Parking Bollards Revenue 2020-2025 ($ millions)

+357 96 030922
info@marketpublishers.com

Figure 32. APAC Smart Parking Bollards Sales 2020-2025 (K Units)
Figure 33. APAC Smart Parking Bollards Revenue 2020-2025 ($ millions)
Figure 34. Europe Smart Parking Bollards Sales 2020-2025 (K Units)
Figure 35. Europe Smart Parking Bollards Revenue 2020-2025 ($ millions)
Figure 36. Middle East & Africa Smart Parking Bollards Sales 2020-2025 (K Units)
Figure 37. Middle East & Africa Smart Parking Bollards Revenue 2020-2025 ($ millions)
Figure 38. Americas Smart Parking Bollards Sales Market Share by Country in 2025
Figure 39. Americas Smart Parking Bollards Revenue Market Share by Country (2020-2025)
Figure 40. Americas Smart Parking Bollards Sales Market Share by Type (2020-2025)
Figure 41. Americas Smart Parking Bollards Sales Market Share by Application (2020-2025)
Figure 42. United States Smart Parking Bollards Revenue Growth 2020-2025 ($ millions)
Figure 43. Canada Smart Parking Bollards Revenue Growth 2020-2025 ($ millions)
Figure 44. Mexico Smart Parking Bollards Revenue Growth 2020-2025 ($ millions)
Figure 45. Brazil Smart Parking Bollards Revenue Growth 2020-2025 ($ millions)
Figure 46. APAC Smart Parking Bollards Sales Market Share by Region in 2025
Figure 47. APAC Smart Parking Bollards Revenue Market Share by Region (2020-2025)
Figure 48. APAC Smart Parking Bollards Sales Market Share by Type (2020-2025)
Figure 49. APAC Smart Parking Bollards Sales Market Share by Application (2020-2025)
Figure 50. China Smart Parking Bollards Revenue Growth 2020-2025 ($ millions)
Figure 51. Japan Smart Parking Bollards Revenue Growth 2020-2025 ($ millions)
Figure 52. South Korea Smart Parking Bollards Revenue Growth 2020-2025 ($ millions)
Figure 53. Southeast Asia Smart Parking Bollards Revenue Growth 2020-2025 ($ millions)
Figure 54. India Smart Parking Bollards Revenue Growth 2020-2025 ($ millions)
Figure 55. Australia Smart Parking Bollards Revenue Growth 2020-2025 ($ millions)
Figure 56. China Taiwan Smart Parking Bollards Revenue Growth 2020-2025 ($ millions)
Figure 57. Europe Smart Parking Bollards Sales Market Share by Country in 2025
Figure 58. Europe Smart Parking Bollards Revenue Market Share by Country (2020-2025)
Figure 59. Europe Smart Parking Bollards Sales Market Share by Type (2020-2025)
Figure 60. Europe Smart Parking Bollards Sales Market Share by Application (2020-2025)
Figure 61. Germany Smart Parking Bollards Revenue Growth 2020-2025 ($ millions)

+357 96 030922
info@marketpublishers.com

Figure 62. France Smart Parking Bollards Revenue Growth 2020-2025 ($ millions)
Figure 63. UK Smart Parking Bollards Revenue Growth 2020-2025 ($ millions)
Figure 64. Italy Smart Parking Bollards Revenue Growth 2020-2025 ($ millions)
Figure 65. Russia Smart Parking Bollards Revenue Growth 2020-2025 ($ millions)
Figure 66. Middle East & Africa Smart Parking Bollards Sales Market Share by Country (2020-2025)
Figure 67. Middle East & Africa Smart Parking Bollards Sales Market Share by Type (2020-2025)
Figure 68. Middle East & Africa Smart Parking Bollards Sales Market Share by Application (2020-2025)
Figure 69. Egypt Smart Parking Bollards Revenue Growth 2020-2025 ($ millions)
Figure 70. South Africa Smart Parking Bollards Revenue Growth 2020-2025 ($ millions)
Figure 71. Israel Smart Parking Bollards Revenue Growth 2020-2025 ($ millions)
Figure 72. Turkey Smart Parking Bollards Revenue Growth 2020-2025 ($ millions)
Figure 73. GCC Countries Smart Parking Bollards Revenue Growth 2020-2025 ($ millions)
Figure 74. Manufacturing Cost Structure Analysis of Smart Parking Bollards in 2025
Figure 75. Manufacturing Process Analysis of Smart Parking Bollards
Figure 76. Industry Chain Structure of Smart Parking Bollards
Figure 77. Channels of Distribution
Figure 78. Global Smart Parking Bollards Sales Market Forecast by Region (2026-2031)
Figure 79. Global Smart Parking Bollards Revenue Market Share Forecast by Region (2026-2031)
Figure 80. Global Smart Parking Bollards Sales Market Share Forecast by Type (2026-2031)
Figure 81. Global Smart Parking Bollards Revenue Market Share Forecast by Type (2026-2031)
Figure 82. Global Smart Parking Bollards Sales Market Share Forecast by Application (2026-2031)
Figure 83. Global Smart Parking Bollards Revenue Market Share Forecast by Application (2026-2031)

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global Smart Parking Bollards Market Growth 2025-2031

Product link: https://marketpublishers.com/r/G638A526B3AAEN.html

Price: US$ 3,660.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/G638A526B3AAEN.html