

Directed Energy Weapons Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/D68AC76F8C44EN.html>

Date: January 2023

Pages: 142

Price: US\$ 2,499.00 (Single User License)

ID: D68AC76F8C44EN

Abstracts

The global directed energy weapons market size reached US\$ 6.2 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 17.8 Billion by 2028, exhibiting a growth rate (CAGR) of 19.1% during 2023-2028.

Directed energy refers to a technology that produces a beam of concentrated electromagnetic energy, including microwaves, radio waves, lasers, etc. This technology is used in weapons that are widely adopted to disable, damage, or destroy adversary equipment, facilities, and personnel. Some of the common product variants include high-energy laser weapons, high-power radiofrequency or microwave devices, and charged or neutral particle beam weapons. These weapons offer numerous benefits over conventional munitions, including the high-speed transmission of lethal force, minimal effects of gravity or atmospheric drag, stealth-like performance with noise-free and invisible beams, etc. As a result, directed energy weapons are widely installed in military ships, land vehicles, aircraft, and unmanned vehicles (UMVs).

Directed Energy Weapons Market Trends:

The rising geographical conflicts along with the increasing demand for advanced military devices in combat applications are propelling the global market for directed energy weapons. Additionally, the growing investments by several defense and military organizations in modernization of existing infrastructures to enhance national security are also augmenting the market growth. Furthermore, the rising threats from hypersonic weapons, particularly missiles, are catalyzing the demand for directed energy weapons for early destruction in missile trajectory. Apart from this, the increasing adoption of direct energy weapons for protecting civilians against numerous chemical, biological, radiological and nuclear (CBRN) emergencies is also bolstering the market growth.

Besides this, the emergence of various military-based UAVs and drones integrated with directed energy weapons for providing long-range precision targeting and remote operations is further driving the global market. In the coming years, the introduction of several advanced solutions, such as high-energy laser (HEL) power to intercept cruise missiles, will continue to catalyze the market for directed energy weapons on a global level.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global directed energy weapons market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on type, application, technology and end use.

Breakup by Type:

Lethal

Non-Lethal

Breakup by Application:

Homeland Security

Defense

Breakup by Technology:

High Energy Laser

Chemical Laser

Fiber Laser

Free Electron Laser

Solid -State Laser

High Power Microwave

Particle Beam

Breakup by End Use:

Ship Based

Land Vehicles

Airborne

Gun Shot

Breakup by Region:

North America

United States

Canada

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being Applied Companies, BAE Systems Plc, L3harris Technologies Inc., Lockheed Martin Corporation, Moog Inc., Northrop Grumman Corporation, Qinetiq Group PLC, Raytheon Technologies Corporation, Rheinmetall Aktiengesellschaft, Textron Inc. and The Boeing Company.

Key Questions Answered in This Report

1. What was the size of the global directed energy weapons market in 2022?
2. What is the expected growth rate of the global directed energy weapons market during 2023-2028?

3. What are the key factors driving the global directed energy weapons market?
4. What has been the impact of COVID-19 on the global directed energy weapons market?
5. What is the breakup of the global directed energy weapons market based on the type?
6. What is the breakup of the global directed energy weapons market based on the application?
7. What is the breakup of the global directed energy weapons market based on the technology?
8. What is the breakup of the global directed energy weapons market based on the end-use?
9. What are the key regions in the global directed energy weapons market?
10. Who are the key players/companies in the global directed energy weapons market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL DIRECTED ENERGY WEAPONS MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY TYPE

- 6.1 Lethal
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Non-Lethal
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast

7 MARKET BREAKUP BY APPLICATION

7.1 Homeland Security

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Defense

7.2.1 Market Trends

7.2.2 Market Forecast

8 MARKET BREAKUP BY TECHNOLOGY

8.1 High Energy Laser

8.1.1 Market Trends

8.1.2 Market Breakup by Type

8.1.2.1 Chemical Laser

8.1.2.2 Fiber Laser

8.1.2.3 Free Electron Laser

8.1.2.4 Solid-State Laser

8.1.3 Market Forecast

8.2 High Power Microwave

8.2.1 Market Trends

8.2.2 Market Forecast

8.3 Particle Beam

8.3.1 Market Trends

8.3.2 Market Forecast

9 MARKET BREAKUP BY END USE

9.1 Ship Based

9.1.1 Market Trends

9.1.2 Market Forecast

9.2 Land Vehicles

9.2.1 Market Trends

9.2.2 Market Forecast

9.3 Airborne

9.3.1 Market Trends

9.3.2 Market Forecast

9.4 Gun Shot

9.4.1 Market Trends

9.4.2 Market Forecast

10 MARKET BREAKUP BY REGION

10.1 North America

10.1.1 United States

10.1.1.1 Market Trends

10.1.1.2 Market Forecast

10.1.2 Canada

10.1.2.1 Market Trends

10.1.2.2 Market Forecast

10.2 Asia Pacific

10.2.1 China

10.2.1.1 Market Trends

10.2.1.2 Market Forecast

10.2.2 Japan

10.2.2.1 Market Trends

10.2.2.2 Market Forecast

10.2.3 India

10.2.3.1 Market Trends

10.2.3.2 Market Forecast

10.2.4 South Korea

10.2.4.1 Market Trends

10.2.4.2 Market Forecast

10.2.5 Australia

10.2.5.1 Market Trends

10.2.5.2 Market Forecast

10.2.6 Indonesia

10.2.6.1 Market Trends

10.2.6.2 Market Forecast

10.2.7 Others

10.2.7.1 Market Trends

10.2.7.2 Market Forecast

10.3 Europe

10.3.1 Germany

10.3.1.1 Market Trends

10.3.1.2 Market Forecast

10.3.2 France

10.3.2.1 Market Trends

- 10.3.2.2 Market Forecast
- 10.3.3 United Kingdom
 - 10.3.3.1 Market Trends
 - 10.3.3.2 Market Forecast
- 10.3.4 Italy
 - 10.3.4.1 Market Trends
 - 10.3.4.2 Market Forecast
- 10.3.5 Spain
 - 10.3.5.1 Market Trends
 - 10.3.5.2 Market Forecast
- 10.3.6 Russia
 - 10.3.6.1 Market Trends
 - 10.3.6.2 Market Forecast
- 10.3.7 Others
 - 10.3.7.1 Market Trends
 - 10.3.7.2 Market Forecast
- 10.4 Latin America
 - 10.4.1 Brazil
 - 10.4.1.1 Market Trends
 - 10.4.1.2 Market Forecast
 - 10.4.2 Mexico
 - 10.4.2.1 Market Trends
 - 10.4.2.2 Market Forecast
 - 10.4.3 Others
 - 10.4.3.1 Market Trends
 - 10.4.3.2 Market Forecast
- 10.5 Middle East and Africa
 - 10.5.1 Market Trends
 - 10.5.2 Market Breakup by Country
 - 10.5.3 Market Forecast

11 SWOT ANALYSIS

- 11.1 Overview
- 11.2 Strengths
- 11.3 Weaknesses
- 11.4 Opportunities
- 11.5 Threats

12 VALUE CHAIN ANALYSIS

13 PORTERS FIVE FORCES ANALYSIS

- 13.1 Overview
- 13.2 Bargaining Power of Buyers
- 13.3 Bargaining Power of Suppliers
- 13.4 Degree of Competition
- 13.5 Threat of New Entrants
- 13.6 Threat of Substitutes

14 PRICE ANALYSIS

15 COMPETITIVE LANDSCAPE

- 15.1 Market Structure
- 15.2 Key Players
- 15.3 Profiles of Key Players
 - 15.3.1 Applied Companies
 - 15.3.1.1 Company Overview
 - 15.3.1.2 Product Portfolio
 - 15.3.2 BAE Systems Plc
 - 15.3.2.1 Company Overview
 - 15.3.2.2 Product Portfolio
 - 15.3.2.3 Financials
 - 15.3.2.4 SWOT Analysis
 - 15.3.3 L3harris Technologies Inc.
 - 15.3.3.1 Company Overview
 - 15.3.3.2 Product Portfolio
 - 15.3.3.3 Financials
 - 15.3.4 Lockheed Martin Corporation
 - 15.3.4.1 Company Overview
 - 15.3.4.2 Product Portfolio
 - 15.3.4.3 Financials
 - 15.3.4.4 SWOT Analysis
 - 15.3.5 Moog Inc.
 - 15.3.5.1 Company Overview
 - 15.3.5.2 Product Portfolio
 - 15.3.5.3 Financials

- 15.3.5.4 SWOT Analysis
- 15.3.6 Northrop Grumman Corporation
 - 15.3.6.1 Company Overview
 - 15.3.6.2 Product Portfolio
 - 15.3.6.3 Financials
 - 15.3.6.4 SWOT Analysis
- 15.3.7 Qinetiq Group Plc
 - 15.3.7.1 Company Overview
 - 15.3.7.2 Product Portfolio
 - 15.3.7.3 Financials
- 15.3.8 Raytheon Technologies Corporation
 - 15.3.8.1 Company Overview
 - 15.3.8.2 Product Portfolio
 - 15.3.8.3 Financials
 - 15.3.8.4 SWOT Analysis
- 15.3.9 Rheinmetall Aktiengesellschaft
 - 15.3.9.1 Company Overview
 - 15.3.9.2 Product Portfolio
 - 15.3.9.3 Financials
- 15.3.10 Textron Inc.
 - 15.3.10.1 Company Overview
 - 15.3.10.2 Product Portfolio
 - 15.3.10.3 Financials
 - 15.3.10.4 SWOT Analysis
- 15.3.11 The Boeing Company
 - 15.3.11.1 Company Overview
 - 15.3.11.2 Product Portfolio
 - 15.3.11.3 Financials
 - 15.3.11.4 SWOT Analysis

List Of Tables

LIST OF TABLES

Table 1: Global: Directed Energy Weapons Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Directed Energy Weapons Market Forecast: Breakup by Type (in Million US\$), 2023-2028

Table 3: Global: Directed Energy Weapons Market Forecast: Breakup by Application (in Million US\$), 2023-2028

Table 4: Global: Directed Energy Weapons Market Forecast: Breakup by Technology (in Million US\$), 2023-2028

Table 5: Global: Directed Energy Weapons Market Forecast: Breakup by End Use (in Million US\$), 2023-2028

Table 6: Global: Directed Energy Weapons Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 7: Global: Directed Energy Weapons Market Structure

Table 8: Global: Directed Energy Weapons Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Directed Energy Weapons Market: Major Drivers and Challenges

Figure 2: Global: Directed Energy Weapons Market: Sales Value (in Billion US\$), 2017-2022

Figure 3: Global: Directed Energy Weapons Market: Breakup by Type (in %), 2022

Figure 4: Global: Directed Energy Weapons Market: Breakup by Application (in %), 2022

Figure 5: Global: Directed Energy Weapons Market: Breakup by Technology (in %), 2022

Figure 6: Global: Directed Energy Weapons Market: Breakup by End Use (in %), 2022

Figure 7: Global: Directed Energy Weapons Market: Breakup by Region (in %), 2022

Figure 8: Global: Directed Energy Weapons Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 9: Global: Directed Energy Weapons (Lethal) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 10: Global: Directed Energy Weapons (Lethal) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 11: Global: Directed Energy Weapons (Non-Lethal) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 12: Global: Directed Energy Weapons (Non-Lethal) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 13: Global: Directed Energy Weapons (Homeland Security) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 14: Global: Directed Energy Weapons (Homeland Security) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 15: Global: Directed Energy Weapons (Defense) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 16: Global: Directed Energy Weapons (Defense) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 17: Global: Directed Energy Weapons (High Energy Laser) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 18: Global: Directed Energy Weapons (High Energy Laser) Market: Breakup by Type (in %), 2022

Figure 19: Global: Directed Energy Weapons (High Energy Laser) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 20: Global: Directed Energy Weapons (High Power Microwave) Market: Sales

Value (in Million US\$), 2017 & 2022

Figure 21: Global: Directed Energy Weapons (High Power Microwave) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 22: Global: Directed Energy Weapons (Particle Beam) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 23: Global: Directed Energy Weapons (Particle Beam) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 24: Global: Directed Energy Weapons (Ship Based) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 25: Global: Directed Energy Weapons (Ship Based) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 26: Global: Directed Energy Weapons (Land Vehicles) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 27: Global: Directed Energy Weapons (Land Vehicles) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 28: Global: Directed Energy Weapons (Airborne) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 29: Global: Directed Energy Weapons (Airborne) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 30: Global: Directed Energy Weapons (Gun Shot) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 31: Global: Directed Energy Weapons (Gun Shot) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 32: North America: Directed Energy Weapons Market: Sales Value (in Million US\$), 2017 & 2022

Figure 33: North America: Directed Energy Weapons Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 34: United States: Directed Energy Weapons Market: Sales Value (in Million US\$), 2017 & 2022

Figure 35: United States: Directed Energy Weapons Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 36: Canada: Directed Energy Weapons Market: Sales Value (in Million US\$), 2017 & 2022

Figure 37: Canada: Directed Energy Weapons Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 38: Asia Pacific: Directed Energy Weapons Market: Sales Value (in Million US\$), 2017 & 2022

Figure 39: Asia Pacific: Directed Energy Weapons Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 40: China: Directed Energy Weapons Market: Sales Value (in Million US\$), 2017 & 2022

Figure 41: China: Directed Energy Weapons Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 42: Japan: Directed Energy Weapons Market: Sales Value (in Million US\$), 2017 & 2022

Figure 43: Japan: Directed Energy Weapons Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 44: India: Directed Energy Weapons Market: Sales Value (in Million US\$), 2017 & 2022

Figure 45: India: Directed Energy Weapons Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 46: South Korea: Directed Energy Weapons Market: Sales Value (in Million US\$), 2017 & 2022

Figure 47: South Korea: Directed Energy Weapons Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 48: Australia: Directed Energy Weapons Market: Sales Value (in Million US\$), 2017 & 2022

Figure 49: Australia: Directed Energy Weapons Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 50: Indonesia: Directed Energy Weapons Market: Sales Value (in Million US\$), 2017 & 2022

Figure 51: Indonesia: Directed Energy Weapons Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 52: Others: Directed Energy Weapons Market: Sales Value (in Million US\$), 2017 & 2022

Figure 53: Others: Directed Energy Weapons Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 54: Europe: Directed Energy Weapons Market: Sales Value (in Million US\$), 2017 & 2022

Figure 55: Europe: Directed Energy Weapons Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 56: Germany: Directed Energy Weapons Market: Sales Value (in Million US\$), 2017 & 2022

Figure 57: Germany: Directed Energy Weapons Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 58: France: Directed Energy Weapons Market: Sales Value (in Million US\$), 2017 & 2022

Figure 59: France: Directed Energy Weapons Market Forecast: Sales Value (in Million

US\$), 2023-2028

Figure 60: United Kingdom: Directed Energy Weapons Market: Sales Value (in Million US\$), 2017 & 2022

Figure 61: United Kingdom: Directed Energy Weapons Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 62: Italy: Directed Energy Weapons Market: Sales Value (in Million US\$), 2017 & 2022

Figure 63: Italy: Directed Energy Weapons Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 64: Spain: Directed Energy Weapons Market: Sales Value (in Million US\$), 2017 & 2022

Figure 65: Spain: Directed Energy Weapons Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 66: Russia: Directed Energy Weapons Market: Sales Value (in Million US\$), 2017 & 2022

Figure 67: Russia: Directed Energy Weapons Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 68: Others: Directed Energy Weapons Market: Sales Value (in Million US\$), 2017 & 2022

Figure 69: Others: Directed Energy Weapons Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 70: Latin America: Directed Energy Weapons Market: Sales Value (in Million US\$), 2017 & 2022

Figure 71: Latin America: Directed Energy Weapons Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 72: Brazil: Directed Energy Weapons Market: Sales Value (in Million US\$), 2017 & 2022

Figure 73: Brazil: Directed Energy Weapons Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 74: Mexico: Directed Energy Weapons Market: Sales Value (in Million US\$), 2017 & 2022

Figure 75: Mexico: Directed Energy Weapons Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 76: Others: Directed Energy Weapons Market: Sales Value (in Million US\$), 2017 & 2022

Figure 77: Others: Directed Energy Weapons Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 78: Middle East and Africa: Directed Energy Weapons Market: Sales Value (in Million US\$), 2017 & 2022

Figure 79: Middle East and Africa: Directed Energy Weapons Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 80: Global: Directed Energy Weapons Industry: SWOT Analysis

Figure 81: Global: Directed Energy Weapons Industry: Value Chain Analysis

Figure 82: Global: Directed Energy Weapons Industry: Porter's Five Forces Analysis

I would like to order

Product name: Directed Energy Weapons Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Product link: <https://marketpublishers.com/r/D68AC76F8C44EN.html>

Price: US\$ 2,499.00 (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/D68AC76F8C44EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

