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U.S. Laser Cutting Machines Market Size, Share & Trends Analysis Report By Process (Fusion Cutting, Flame Cutting, Sublimation Cutting), By Power (Low Power, High Power), By End-use, By Type, And Segment Forecasts, 2024 - 2030

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Abstracts

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U.S. Laser Cutting Machines Market Growth & Trends

The U.S. laser cutting machines market size is expected to reach USD 1.95 billion by 2030, registering a CAGR of 5.9% from 2024 to 2030, according to a new report by Grand View Research, Inc. The growing trend of automation in the manufacturing sector and the rising demand for the end-use industry will lead to market growth. Laser-cutting machines have become increasingly popular in various industries, such as metal fabrication, automotive, pharmaceuticals, electronics, packaging, aerospace, and others. The market is projected to experience rapid growth due to the rising adoption of industry 4.0 technologies, including the Internet of Things (IoT), data analytics, and automation.

These technologies enable laser-cutting machines to achieve greater accuracy by facilitating real-time information exchange, which operators monitor and manage to increase output. Laser-cutting machines have sensors, control systems, and data analysis platforms that enable real-time monitoring and predictive maintenance. End-use industries, such as packaging, pharmaceuticals, cutting metals, and air conditioning use automated laser-cutting tools to produce high-quality goods efficiently. Automation helps manufacturers automate various processes, including laser cutting, leading to reduced downtime, energy efficiency, and uniform outcomes. The growing trend of

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automation in the manufacturing sector is also fueling the demand for laser-cutting machines.

U.S. Laser Cutting Machines Market Report Highlights

The flame-cutting segment held the largest market share of 44.1% in 2023. Cutting & finishing precision and fast cutting speed have led to the high demand for flame-cutting machines. Flame cutting is used to cut and process steel and high-thickness materials

The high-power laser-cutting machines segment held the largest market share in 2023. Cutting multiple layers and large quantities of metal sheets is easier with laser cutting machines that provide enhanced accuracy, precision, and power than traditional lasers. These advanced machines feature smaller laser beams, significantly boosting the accuracy & precision levels in cutting operations

The fiber lasers segment held the largest share in 2023. Fiber lasers' capacity to achieve faster cutting speeds enhances productivity and contributes to cost savings & improved turnaround times in manufacturing processes

The automotive sector held the largest share in 2023. Laser-cutting tools offer advantages including reduced errors, consistent high-quality cuts, increased precision, and the ability to create complex shapes & designs efficiently

In May 2023, Beamer Laser Marking Systems acquired DPSS Lasers Inc., a company specializing in the production of high-powered, 355 nm Ultraviolet (UV) solid-state lasers and UV integrated systems. This acquisition signifies a strategic initiative by Beamer Laser Marking Systems to broaden its laser marking offerings and offer customized solutions to clients across multiple sectors

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