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Lathe Machines Market Forecasts to 2032 – Global Analysis By Product (Horizontal Lathes, Vertical Lathes, Manual Lathes, CNC Lathes, Turret Lathes and Other Products), Operation Type, Mode of Operation, End User and By Geography

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Abstracts

According to Stratistics MRC, the Global Lathe Machines Market is accounted for $28.48 billion in 2025 and is expected to reach $42.54 billion by 2032 growing at a CAGR of 5.9% during the forecast period. A lathe machine is a multipurpose instrument used in manufacturing, woodworking, and metalworking that rotates a workpiece against a stationary cutting tool to shape, cut, or drill materials. It accurately completes tasks including threading, knurling, boring, turning, and facing. The bed, headstock, tailstock, carriage, and spindle are the main components. Based on their purpose and mode of control, lathes are divided into three categories: CNC, turret, and engine lathes. Lathe machines are widely employed in industries to produce precise cylindrical components and symmetrical items.

Market Dynamics:

Driver:

Advancements in automation and CNC technology

Automation and CNC (Computer Numerical Control) technological advancements allow complex designs to be executed with little human involvement, which lowers errors and operating expenses. Continuous operation is made possible by automated lathes, which boosts total manufacturing efficiency. Additionally, CNC systems provide for flexibility and customisation, meeting a range of industrial demands. Predictive maintenance and

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machine monitoring are further improved by integration with IoT and smart systems. The need for technologically sophisticated lathe machines keeps growing as industry look for machining solutions that are quicker and more intelligent.

Restraint:

High initial investment and maintenance costs

The sophisticated models needed for precision work are frequently out of reach for small and medium-sized businesses. The exorbitant setup and installation costs deter new consumers even more. Ongoing operating costs are increased by the requirement for qualified specialists and routine maintenance. The adoption rate is slowed by this financial burden, particularly in developing nations. Consequently, even if the need for automation is growing, market expansion is constrained.

Opportunity:

Growth in metalworking and manufacturing industries in emerging economies

The need for precise machining equipment, such as lathes, is driven by growing industrialisation. The demand for sophisticated metal shaping equipment is further accelerated by the growth of infrastructure and the manufacture of automobiles. The use of lathe machines is increased by government programs that assist regional manufacturing. Rising foreign investments in manufacturing sectors enhance technological integration. As a result, emerging economies become key contributors to global lathe machine market expansion.

Threat:

Fluctuating raw material prices and trade barriers

Uncertainties in fluctuating raw material prices complicate pricing plans and may cause end users to postpone making purchases. The global supply chain is disrupted by trade barriers like tariffs and import/export restrictions, which raise costs and cause delays. Manufacturers who depend on imported parts are more susceptible to these problems. This makes it more difficult for them to deliver on time and with consistent quality. As a result, strained international trade ties and a decline in competitiveness impede market expansion.

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Covid-19 Impact

The Covid-19 pandemic significantly disrupted the lathe machines market, causing a decline in production and sales due to lockdowns, supply chain interruptions, and reduced industrial activities. Many manufacturing units faced operational halts, leading to decreased demand for lathe machines across sectors like automotive and aerospace. However, the market began recovering as restrictions eased, with increased focus on automation and digital manufacturing. Post-pandemic, industries have accelerated adoption of smart lathe machines to enhance productivity and minimize dependency on manual labour.

The horizontal lathes segment is expected to be the largest during the forecast period

The horizontal lathes segment is expected to account for the largest market share during the forecast period, due to its wide applicability in metalworking and general machining operations. These machines offer high precision and stability, making them ideal for producing cylindrical parts in automotive, aerospace, and industrial equipment sectors. Their versatility in handling various materials and ease of automation enhance productivity and reduce operational costs. Increasing demand for mass production and high-speed machining further boosts their adoption. As industries focus on efficiency and customization, horizontal lathes remain a preferred choice, driving market growth.

The electrical & electronics segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the electrical & electronics segment is predicted to witness the highest growth rate, due to its wide applicability in metalworking and general machining operations. These machines offer high precision and stability, making them ideal for producing cylindrical parts in automotive, aerospace, and industrial equipment sectors. Their versatility in handling various materials and ease of automation enhance productivity and reduce operational costs. Increasing demand for mass production and high-speed machining further boosts their adoption. As industries focus on efficiency and customization, horizontal lathes remain a preferred choice, driving market growth.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share due to rapid industrialization, booming automotive and manufacturing sectors, and rising investments in automation. Countries like China, India, and Japan are major

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contributors, driven by cost-effective production, increasing domestic demand, and government support for industrial growth. The presence of numerous local manufacturers and the growing metalworking sector further fuel market expansion.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR, owing to advanced manufacturing technologies and high automation adoption. The focus lies on upgrading legacy systems, precision engineering, and producing complex components, particularly in aerospace and defense sectors. Unlike Asia Pacific, market growth is slower due to high labour costs and a mature industrial base. However, increasing demand for smart manufacturing and Industry 4.0 keeps innovation in motion.

Key players in the market

Some of the key players profiled in the Lathe Machines Market include DMG Mori Co., Ltd., Doosan Machine Tools Co., Ltd., Okuma Corporation, Haas Automation, Inc., Hardinge Inc., HMT Machine Tools Ltd., Yamazaki Mazak Corporation, Dalian Machine Tool Corporation, EMAG GmbH & Co. KG, Fair Friend Group, Hurco Companies Inc., JTEKT Corporation, SMEC Co. Ltd., Batliboi Ltd., Clausing Industrial Inc., Milltronics USA Inc., Goodway Machine Corporation and Chiah Chyun Machinery Co.

Key Developments:

In March 2024, Doosan Machine Tools announced a strategic partnership with Titans of CNC Inc., becoming their exclusive machine tool builder partner. Titans of CNC is a global leader in manufacturing education, offering free, online, video-based training for machinists. This collaboration aims to address the skills gap in the manufacturing sector and train the next generation of machinists using Doosan's high-performance CNC machine tools.

In February 2025, DMG MORI acquired Miyawaki Machinery (Akashi City, Hyogo Prefecture), a company with a strong engineering and service workforce. This move aims to strengthen DMG MORI’s sales and service capabilities, especially in providing machining solutions and maintenance, enhancing support for lathe and other machine tool customers.

Products Covered:

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- Horizontal Lathes
- Vertical Lathes
- Manual Lathes
- CNC Lathes
- Turret Lathes
- Automatic Lathes
- Bench Lathes
- Other Products

Operation Types Covered:

- Turning
- Cutting
- Drilling
- Knurling
- Grooving
- Other Operation Types

Mode of Operations Covered:

- Manual
- Semi-Automatic
- Automatic/CNC

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End Users Covered:

- Automotive
- General Machinery
- Aerospace
- Electrical & Electronics
- Metal & Mining
- Oil & Gas
- Construction
- Other End Users

Regions Covered:

- North America
  - US
  - Canada
  - Mexico
- Europe
  - Germany
  - UK
  - Italy

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- France
- Spain
- Rest of Europe

Asia Pacific

- Japan
- China
- India
- Australia
- New Zealand
- South Korea
- Rest of Asia Pacific

South America

- Argentina
- Brazil
- Chile
- Rest of South America

Middle East & Africa

- Saudi Arabia
- UAE
- Qatar

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South Africa

Rest of Middle East & Africa

What our report offers:
- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

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