

Computer Numerical Control (CNC) Machines - A Global Market Overview

Market Report | 2024-09-18 | 313 pages | Industry Experts

AVAILABLE LICENSES:

- Single user licence (PDF) \$4500.00
- Enterprise Electronic (PDF) \$7200.00

Report description:

Computer Numerical Control (CNC) Machines Market Trends and Outlook

Computer Numerical Control (CNC) is a machining process used in manufacturing that employs programmed computer software for directing the actions of machinery and tools. A number of manufacturing techniques, such as lathing, milling, grinding and laser cutting can be automated using this application. A CNC machine obtains instructions from a computer aided design (CAD) file, which are then precisely transposed into a sequential set. Once these instructions are received by a CNC machine, it starts operating automatically without the need of an operator. Major advantages for manufacturers using these machines include decrease in operating costs, enhanced speed, superior accuracy levels and improved productivity overall.

The global market for Computer Numerical Control (CNC) Machines is estimated at US\$84.6 billion in 2024 and is likely to maintain a 2024-2030 CAGR of 8.4% in reaching a projected US\$137.3 billion by 2030.

The demand for CNC Machines is being driven by a range of factors that include advancements in production technologies, increasing demand for highly precise components that can be produced on a large scale and growing adoption of advanced technologies, such as IoT, AI & machine learning into production processes. The integration of these technologies with CNC machines is bound to prove fruitful in escalating market growth over the coming years.

Computer Numerical Control (CNC) Machines Regional Market Analysis

With an estimated share of about 39% in 2024, Asia-Pacific represents the leading global market for CNC Machines, which is further likely to be the fastest growing, too. A spurt of growth in various sectors, especially automotive and general industrial machinery, are propelling demand for CNC machines in the region. Owing to relatively cheap labor and availability of abundant resources, major industrial manufacturers, including CNC machine OEMs, have established operations in Asia-Pacific, which has contributed to significant growth in the region. In addition, the region's increased demand can be attributed to technological advancements, digitization and connectivity, enabling the implementation of technologies, such as cloud computing, IoT and data analytics into CNC systems for improving equipment efficacy. North America and Europe are other regions where the market for CNC machines has been posting steady growth, since these have always been well-entrenched markets for CNC machines and would continue to be so.

Computer Numerical Control (CNC) Market Analysis by Machines Type

The major types CNC machines used include Grinding Machines, Laser Machines, Lathe Machines, Milling Machines, Welding Machines and Winding Machines, among others (comprising Drilling, Electrical Discharge & Routing Machines). The global demand for CNC Lathe Machines is estimated to be the largest, the major factors for which comprise availability in various sizes & types,

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

versatility in using materials and provision of high accuracy up to 99.99%. The use of CNC lathe machines across several industries, such as automotive, aerospace and general machinery for making high-precision parts and components will further add to market momentum. As far as growth is concerned, however, the worldwide market for Milling Machines is anticipated to exhibit the fastest CAGR of about 9.5% during the analysis period. Milling machines are most widely used to fabricate complex parts and automation and technological advancements in these machines have facilitated rapid growth in various sectors.

Computer Numerical Control (CNC) Machines Market Analysis by Number of Axes

CNC machines are offered according to the type of multiple axis points along which they operate, which include 3 axis, 4 axis and 5 axis. The 3 axis CNC machine is most widely used because of its ability to function in three axes, which move at the same time. This enables the machine, which can also be integrated with an automatic tool changer, in producing components with complex shapes. Moreover, automation of the process ensures that there is no need for manual intervention. On the other hand, the market for 5 axis CNC machines would anticipatedly post the fastest growth over the analysis period.

Computer Numerical Control (CNC) Machines Market Analysis by End-Use Sector

As regards end-use sector, the global market for CNC Machines is categorized into Aerospace & Defense, Automotive, Construction, Energy & Power, General Industrial Machinery and Healthcare & Medical, among others (comprising Capital Goods, Electrical & Electronic, Metal & Mining, Precision Engineering and Semiconductor). General Industrial Machinery is the largest end-consumer of CNC Machines, accounting for an estimated share of about 27% of the global demand. In terms of growth, though, the demand for CNC Machines for making parts and components for the Automotive sector will likely post the fastest CAGR of almost 13% during the analysis period. A primary factor for this includes the growing demand for electric vehicles (EVs), which require ultra-precision and customized parts and components.

Computer Numerical Control (CNC) Machines Report Scope

This global report on Computer Numerical Control (CNC) Machines analyzes the market based on machine type, number of axes and end-use sector, in addition to providing profiles of major companies operating in this space, the latest corporate and industrial developments have been covered to offer a clear panorama of how and where the market is progressing.

Key Metrics

Historical Period: 2021-2023

Base Year: 2023

Forecast Period: 2024-2030

Units: Value market in US\$

Companies Mentioned: 35+

Computer Numerical Control (CNC) Machines Market by Geographic Region

- North America (The United States, Canada and Mexico)
- Europe (France, Germany, Italy, Russia, Spain, The United Kingdom and Rest of Europe)
- Asia-Pacific (China, Japan, India, South Korea and Rest of Asia-Pacific)
- South America (Argentina, Brazil and Rest of South America)
- Rest of World (Middle East & Africa)

Computer Numerical Control (CNC) Machines Market by Machine Type

- Grinding Machines
- Laser Machines
- Lathe Machines
- Milling Machines
- Welding Machines
- Winding Machines
- Other CNC Machines (Including Drilling, Electrical Discharge & Routing Machines)

Computer Numerical Control (CNC) Machines by Number of Axes

- 3 Axis
- 4 Axis
- 5 Axis

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Computer Numerical Control (CNC) Machines Market by End-Use Sector

- Aerospace & Defense
- Automotive
- Construction Equipment
- Energy & Power
- General Industrial Machinery
- Healthcare & Medical
- Other End-Use Sectors (Including Capital Goods, Electrical & Electronic, Metal & Mining, Precision Engineering and Semiconductor)

Table of Contents:

PART A: GLOBAL MARKET PERSPECTIVE

1. Introduction

- Product Outline
- Computer Numerical Control (CNC) Machines Defined
- CNC Machines Market by Machine Type
 - o□ Grinding Machines
 - o□ Laser Machines
 - o□ Lathe Machines
 - o□ Milling Machines
 - o□ Welding Machines
 - o□ Winding Machines
 - o□ Other CNC Machines
- CNC Machines Market by Number of Axes
 - o□ 3 Axis
 - o□ 4 Axis
 - o□ 5 Axis
- CNC Machines Market by End-Use Sector
 - o□ Aerospace & Defense
 - o□ Automotive
 - o□ Construction Equipment
 - o□ Energy & Power
 - o□ General Industrial Machinery
 - o□ Healthcare & Medical
 - o□ Other End-Use Sectors

2. Key Market Trends

3. Key Global Players

- Ace Micromatic Group
- Amada Machinery Co. Ltd.
- Amera-Seiki Corporation
- ANCA Group
- BYJC-OKUMA (Beijing) Machine Tools Co Ltd
- Chiron Group SE
- Dalian Machine Tool Group (DMTG) Corporation
- Datron AG
- DMG Mori Seiki Co. Ltd.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- DN Solutions (Doosan Machine Tools)
 - Doosan Corporation
 - Dr. Johannes Heidenhain GmbH
 - Ellison Technologies, Inc.
 - Fanuc Corp
 - General Technology Group Dalian Machine Tool Corp
 - GF Machining Solutions Management SA
 - Gleason Corp
 - Haas Automation Inc.
 - Hardinge, Inc.
 - Heidenhain GmbH
 - Hermle AG
 - Hurco Companies Inc.
 - Hyundai WIA Corporation
 - INDEX-Werke GmbH & Co. KG Hahn & Tessky
 - TEKT Corporation
 - Komatsu NTC Ltd.
 - MAG IAS GmbH
 - Makino Milling Machine Co Ltd
 - Mitsubishi Electric Corp
 - Okuma Corporation
 - Sandvik AB
 - Schuler AG
 - Shenyang Machine Tools Co Ltd.
 - Siemens AG
 - Soft Servo Systems, Inc.
 - TRUMPF GmbH + Co KG
 - XYZ Machine Tools
 - Yamazaki Mazak Corporation
4. Key Business & Product Trends
5. Global Market Overview
- Global CNC Machines Market Overview by Machine Type
 - o□CNC Machines Type Market Overview by Global Region
 - Grinding Machines
 - Laser Machines
 - Lathe Machines
 - Milling Machines
 - Welding Machines
 - Winding Machines
 - Other CNC Machines
 - Global CNC Machines Market Overview by Number of Axes
 - o□CNC Machines Number of Axes Market Overview by Global Region
 - 3 Axis
 - 4 Axis
 - 5 Axis
 - Global CNC Machines Market Overview by End-Use Sector
 - o□CNC Machines End-Use Sector Market Overview by Global Region

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- Aerospace & Defense
- Automotive
- Construction Equipment
- Energy & Power
- General Industrial Machinery
- Healthcare & Medical
- Other End-Use Sectors

PART B: REGIONAL MARKET PERSPECTIVE

- Global CNC Machines Market Overview by Geographic Region

REGIONAL MARKET OVERVIEW

6. North America

- North American CNC Machines Market Overview by Geographic Region
- North American CNC Machines Market Overview by Machine Type
- North American CNC Machines Market Overview by Number of Axes
- North American CNC Machines Market Overview by End-Use Sector

- Country-wise Analysis of North American CNC Machines Market

o□The United States

- United States CNC Machines Market Overview by Machine Type
- United States CNC Machines Market Overview by Number of Axes
- United States CNC Machines Market Overview by End-Use Sector

o□Canada

- Canadian CNC Machines Market Overview by Machine Type
- Canadian CNC Machines Market Overview by Number of Axes
- Canadian CNC Machines Market Overview by End-Use Sector

o□Mexico

- Mexican CNC Machines Market Overview by Machine Type
- Mexican CNC Machines Market Overview by Number of Axes
- Mexican CNC Machines Market Overview by End-Use Sector

7. Europe

- European CNC Machines Market Overview by Geographic Region
- European CNC Machines Market Overview by Machine Type
- European CNC Machines Market Overview by Number of Axes
- European CNC Machines Market Overview by Technology
- European CNC Machines Market Overview by End-Use Sector

- Country-wise Analysis of European CNC Machines Market

o□France

- French CNC Machines Market Overview by Machine Type
- French CNC Machines Market Overview by Number of Axes
- French CNC Machines Market Overview by End-Use Sector

o□Germany

- German CNC Machines Market Overview by Machine Type
- German CNC Machines Market Overview by Number of Axes
- German CNC Machines Market Overview by End-Use Sector

o□Italy

- Italian CNC Machines Market Overview by Machine Type
- Italian CNC Machines Market Overview by Number of Axes
- Italian CNC Machines Market Overview by End-Use Sector

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

o Russia

- Russian CNC Machines Market Overview by Machine Type
- Russian CNC Machines Market Overview by Number of Axes
- Russian CNC Machines Market Overview by End-Use Sector

o Spain

- Spanish CNC Machines Market Overview by Machine Type
- Spanish CNC Machines Market Overview by Number of Axes
- Spanish CNC Machines Market Overview by End-Use Sector

o The United Kingdom

- United Kingdom CNC Machines Market Overview by Machine Type
- United Kingdom CNC Machines Market Overview by Number of Axes
- United Kingdom CNC Machines Market Overview by End-Use Sector

o Rest of Europe

- Rest of Europe CNC Machines Market Overview by Machine Type
- Rest of Europe CNC Machines Market Overview by Number of Axes
- Rest of Europe CNC Machines Market Overview by End-Use Sector

8. Asia-Pacific

- Asia-Pacific CNC Machines Market Overview by Geographic Region
- Asia-Pacific CNC Machines Market Overview by Machine Type
- Asia-Pacific CNC Machines Market Overview by Number of Axes
- Asia-Pacific CNC Machines Market Overview by Technology
- Asia-Pacific CNC Machines Market Overview by End-Use Sector
- Country-wise Analysis of Asia-Pacific CNC Machines Market

o China

- Chinese CNC Machines Market Overview by Machine Type
- Chinese CNC Machines Market Overview by Number of Axes
- Chinese CNC Machines Market Overview by End-Use Sector

o India

- Indian CNC Machines Market Overview by Machine Type
- Indian CNC Machines Market Overview by Number of Axes
- Indian CNC Machines Market Overview by End-Use Sector

o Japan

- Japanese CNC Machines Market Overview by Machine Type
- Japanese CNC Machines Market Overview by Number of Axes
- Japanese CNC Machines Market Overview by End-Use Sector

o South Korea

- South Korean CNC Machines Market Overview by Machine Type
- South Korean CNC Machines Market Overview by Number of Axes
- South Korean CNC Machines Market Overview by End-Use Sector

o Rest of Asia-Pacific

- Rest of Asia-Pacific CNC Machines Market Overview by Machine Type
- Rest of Asia-Pacific CNC Machines Market Overview by Number of Axes
- Rest of Asia-Pacific CNC Machines Market Overview by End-Use Sector

9. South America

- South American CNC Machines Market Overview by Geographic Region
- South American CNC Machines Market Overview by Machine Type
- South American CNC Machines Market Overview by Number of Axes

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- South American CNC Machines Market Overview by Technology
- South American CNC Machines Market Overview by End-Use Sector
- Country-wise Analysis of South American CNC Machines Market
 - o□Argentina
 - Argentine CNC Machines Market Overview by Machine Type
 - Argentine CNC Machines Market Overview by Number of Axes
 - Argentine CNC Machines Market Overview by End-Use Sector
 - o□Brazil
 - Brazilian CNC Machines Market Overview by Machine Type
 - Brazilian CNC Machines Market Overview by Number of Axes
 - Brazilian CNC Machines Market Overview by End-Use Sector
 - o□Rest of South America
 - Rest of South American CNC Machines Market Overview by Machine Type
 - Rest of South American CNC Machines Market Overview by Number of Axes
 - Rest of South American CNC Machines Market Overview by End-Use Sector

10. Middle East & Africa

- Middle East & Africa CNC Machines Market Overview by Machine Type
- Middle East & Africa CNC Machines Market Overview by Number of Axes
- Middle East & Africa CNC Machines Market Overview by Technology
- Middle East & Africa CNC Machines Market Overview by End-Use Sector

PART C: GUIDE TO THE INDUSTRY

PART D: ANNEXURE

1. RESEARCH METHODOLOGY
2. FEEDBACK

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Computer Numerical Control (CNC) Machines - A Global Market Overview

Market Report | 2024-09-18 | 313 pages | Industry Experts

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scott's-international.com

ORDER FORM:

Select license	License	Price
	Single user licence (PDF)	\$4500.00
	Enterprise Electronic (PDF)	\$7200.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scott's-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-02-22"/>
		Signature	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scott's-international.com

www.scott's-international.com