

Drilling Machines – A Global Market Overview

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Abstracts

Drilling Machines Market Trends and Outlook

In simple terms, a drilling machine is a device that is used for making holes in various substrates, which cannot be achieved using manual force. This can include drilling, tapping holes, reaming and counter boring in wood and metals that find further application in various sectors. Drilling machines can be employed for cutting blind holes (part way) or through-holes in virtually any material type, ranging from metals, such as aluminum, steel and titanium to machinable ceramics, engineering plastics and a variety of woods. The major components of a basic drilling machine comprise base, column, radial arm, drill head, worktable, feed mechanism, spindle, chuck and electric motor.

The global market for Drilling Machines is estimated at US\$27.4 billion in 2024 and is anticipated to post a CAGR of 6.6% during the 2024-2030 analysis period and stand at a projected US\$40.2 billion by 2030.

The demand for Drilling Machines is expected to maintain healthy growth over the analysis period, which can be attributed to factors that include growth in infrastructure & construction activities, increase in manufacturing operations and rise in demand from the automotive industry because of a sustained increase in light vehicle production. Oilwell exploration for adding to the rapidly depleting fossil fuel resources is another reason for maintaining demand for drilling machines. Also, automated and computed numerical control (CNC) drilling machines are being more widely utilized because of the need for enhanced precision and efficiency in drilling operations.

Drilling Machines Regional Market Analysis

Other than being the largest global market for drilling machines, Asia-Pacific is also likely to be the fastest growing. The region has been witnessing an unprecedented rate

of industrial development over the past few years. The major factors for this include availability of comparatively inexpensive labor and resources, owing to which several global corporations have set up or are in the process of setting up operations in the region. Asia-Pacific is also home to well-established automotive and electronics industries, where the use of drilling machines is quite common.

Drilling Machines Type Market Analysis

By type, Drilling Machines are primarily classified into Deep Hole Drilling Machines, Gang Drilling Machines, Multiple Spindle Drilling Machines, Portable Drilling Machines, Radial Drilling Machines, Sensitive Drilling Machines and Upright Drilling Machines, among others (incl. Magnetic Drilling Machines). Within these, the global market for Deep Hole Drilling Machines is the largest, as these are specialized metal cutting devices that can provide extremely deep and precise holes into almost any metal. Despite its heavy cost, the significance of a Deep Hole Drilling Machine in various sectors, such as aerospace, automotive and oil & gas, cannot be discounted. As far as growth is concerned, though, the worldwide market for Multiple Spindle Drilling Machines is likely to emerge as the fastest.

Drilling Machines End-Use Sector Market Analysis

The primary end-use sectors where Drilling Machines are widely employed include Aerospace & Defense, Automotive, Construction, Energy, Fabrication & Industrial Machinery Manufacturing, Heavy Equipment and Oil & Gas, among others. Within these, the demand for Drilling Machines is the largest for Heavy Equipment, which includes excavators, loaders, graders, pavers, bulldozers, dump trucks, compactors and earth moving equipment, to name a few. However, the market for drilling machines in the Automotive sector is anticipated to register the fastest growth. The number of vehicles being produced globally has been recording a steady growth following the forced shutdown during the pandemic. Owing to this, the need for precisely made components in this industry has grown considerably, for which drilling machines are essential.

Drilling Machines Market Report Scope

This global report on Drilling Machines analyzes the market based on type 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: 45+

Drilling 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)

Middle East & Africa

Drilling Machines Market by Type

Deep Hole Drilling Machines

Gang Drilling Machines

Multiple Spindle Drilling Machines

Portable Drilling Machines

Radial Drilling Machines

Sensitive Drilling Machines

Upright Drilling Machines

Other Drilling Machines (Incl. Magnetic Drilling Machines)

Drilling Machines Market by End-Use Sector

- o Aerospace & Defense
- o Automotive
- o Construction
- o Energy
- o Fabrication & Industrial Machinery Manufacturing
- o Heavy Equipment
- o Oil & Gas
- o Other End-Use Sectors

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Other Drilling Machines (Incl. Magnetic Drilling Machines)

Drilling Machines End-Use Sectors

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Automotive

Construction

Energy

Fabrication & Industrial Machinery Manufacturing

Heavy Equipment

Oil & Gas

Other End-Use Sectors

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Alpen-Maykestag GmbH

Atlas Copco

Boart Longyear

Cameron Micro Drill Presses

Caterpillar

Cheto Corporation SA

Chuan King Sang Machinery Co Ltd

Dalian Machine Tool Group Corp (DMTG)

Datron AG

Dezhou Hongxin Machine Tool Co Ltd

DMG Mori

Entrust Manufacturing Technologies, Inc. (UNISIG)

Epiroc AB
ERLO Group
Ernst Lenz Maschienbau GmbH
Fehlmann AG
Galbiati Costruzioni Meccaniche S.r.l.
Gate Machinery International Ltd
Hitachi Construction Machinery Ltd
Hochent (Shanghai) Machinery Development Co. Ltd
Hong Ji Precision Machinery Ltd
Hsin Geeli Hardware Enterprise
I.M.S.A. S.r.l.
Ingersoll Rand
Kaufman Mfg. Co
Kays Engineering, Inc.
Kennametal, Inc. (Widma Machining Solutions Group)
Kuraki Co Ltd
LTF SpA
Liebherr Group
Loch Prazisions Bohrtechnik GmbH
Minitool, Inc.
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NewTech Drilling Products LLC
Robert Bosch GmbH
Roku-Roku Co Ltd
Sandvik AB
Scantool Group
Shenyang Machine Tool Co Ltd
Shenyang Machine Tool Corp Ltd (SMTCL)
Soilmec S.p.A.
TBT Tiefbohrtechnik GmbH + Co
Taiwan Winnerstech Machinery Co Ltd
TIBO Tiefbohrtechnik GmbH
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Yamazaki Mazak Pvt Ltd

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