

Drilling Machines - A Global Market Overview

Market Report | 2024-09-12 | 276 pages | Industry Experts

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Report description:

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,

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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

Table of Contents:

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PART A: GLOBAL MARKET PERSPECTIVE

1. INTRODUCTION

- Product Outline
- Drilling Machines Defined
- Drilling Machine Types
 - o□Deep Hole Drilling Machines
 - o□Gang Drilling Machines
 - o□Multiple Spindle Drilling Machines
 - o□Portable Drilling Machines
 - o□Radial Drilling Machines
 - o□Sensitive Drilling Machines
 - o□Upright Drilling Machines
 - o□Other Drilling Machines (Incl. Magnetic Drilling Machines)
- Drilling Machines End-Use Sectors
 - 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

2. Key Market Influencers and Restraints

3. Key Global Players

- 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.

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- 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.
- Mitsubishi Heavy Industries Ltd.
- 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
- Tongtai Machine & Tool Co Ltd
- UNISIG GmbH
- Yamazaki Mazak Pvt Ltd

4. Key Business & Product Trends

5. Global Market Overview

- Global Drilling Machines Market Overview by Type
 - o□Drilling Machines Type Market Overview by Global Region
- 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)
- Global Drilling Machines Market Overview by End-Use Sector
 - o□Drilling Machines End-Use Sector Market Overview by Global Region
- Aerospace & Defense
- Automotive
- Construction
- Energy
- Fabrication & Industrial Machinery Manufacturing
- Heavy Equipment
- Oil & Gas

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-□Other End-Use Sectors

PART B: REGIONAL MARKET PERSPECTIVE

-□Global Drilling Machines Market Overview by Geographic Region

REGIONAL MARKET OVERVIEW

-□6. North America

o□North American Drilling Machines Market Overview by Geographic Region

o□North American Drilling Machines Market Overview by Type

o□North American Drilling Machines Market Overview by End-Use Sector

o□Country-wise Analysis of North American Drilling Machines Market

-□The United States

-□United States Drilling Machines Market Overview by Type

-□United States Drilling Machines Market Overview by End-Use Sector

-□Canada

-□Canadian Drilling Machines Market Overview by Type

-□Canadian Drilling Machines Market Overview by End-Use Sector

-□Mexico

-□Mexican Drilling Machines Market Overview by Type

-□Mexican Drilling Machines Market Overview by End-Use Sector

-□7. Europe

o□European Drilling Machines Market Overview by Geographic Region

o□European Drilling Machines Market Overview by Type

o□European Drilling Machines Market Overview by End-Use Sector

o□Country-wise Analysis of European Drilling Machines Market

-□France

-□French Drilling Machines Market Overview by Type

-□French Drilling Machines Market Overview by End-Use Sector

-□Germany

-□German Drilling Machines Market Overview by Type

-□German Drilling Machines Market Overview by End-Use Sector

-□Italy

-□Italian Drilling Machines Market Overview by Type

-□Italian Drilling Machines Market Overview by End-Use Sector

-□Russia

-□Russian Drilling Machines Market Overview by Type

-□Russian Drilling Machines Market Overview by End-Use Sector

-□Spain

-□Spanish Drilling Machines Market Overview by Type

-□Spanish Drilling Machines Market Overview by End-Use Sector

-□The United Kingdom

-□United Kingdom Drilling Machines Market Overview by Type

-□United Kingdom Drilling Machines Market Overview by End-Use Sector

-□Rest of Europe

-□Rest of Europe Drilling Machines Market Overview by Type

-□Rest of Europe Drilling Machines Market Overview by End-Use Sector

-□8. Asia-Pacific

o□Asia-Pacific Drilling Machines Market Overview by Geographic Region

o□Asia-Pacific Drilling Machines Market Overview by Type

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- o Asia-Pacific Drilling Machines Market Overview by End-Use Sector
- o Country-wise Analysis of Asia-Pacific Drilling Machines Market
 - China
 - Chinese Drilling Machines Market Overview by Type
 - Chinese Drilling Machines Market Overview by End-Use Sector
 - India
 - Indian Drilling Machines Market Overview by Type
 - Indian Drilling Machines Market Overview by End-Use Sector
 - Japan
 - Japanese Drilling Machines Market Overview by Type
 - Japanese Drilling Machines Market Overview by End-Use Sector
 - South Korea
 - South Korean Drilling Machines Market Overview by Type
 - South Korean Drilling Machines Market Overview by End-Use Sector
 - Rest of Asia-Pacific
 - Rest of Asia-Pacific Drilling Machines Market Overview by Type
 - Rest of Asia-Pacific Drilling Machines Market Overview by End-Use Sector
- o 9. South America
 - o South American Drilling Machines Market Overview by Geographic Region
 - o South American Drilling Machines Market Overview by Type
 - o South American Drilling Machines Market Overview by End-Use Sector
 - o Country-wise Analysis of Asia-Pacific Drilling Machines Market
 - Argentina
 - Argentine Drilling Machines Market Overview by Type
 - Argentine Drilling Machines Market Overview by End-Use Sector
 - Brazil
 - Brazilian Drilling Machines Market Overview by Type
 - Brazilian Drilling Machines Market Overview by End-Use Sector
 - Rest of South America
 - Rest of South American Drilling Machines Market Overview by Type
 - Rest of South American Drilling Machines Market Overview by End-Use Sector
- o 10. Middle East & Africa
 - o Middle East & Africa Drilling Machines Market Overview by Type
 - o Middle East & Africa Drilling Machines Market Overview by End-Use Sector

PART C: GUIDE TO THE INDUSTRY

PART D: ANNEXURE

- RESEARCH METHODOLOGY

- FEEDBACK

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