

**India Wire Cutting Machine Market Assessment, By Function [Fully Automatic, Semi-Automatic], By Application [Automotive, Dental and Medical Equipment Manufacturing, Aerospace, Others], By Sales Channel [Direct Sales, Indirect Sales], By Region, Opportunities and Forecast, FY2018-FY2031**

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**Report description:**

India wire cutting machine market is projected to witness a CAGR of 10.80% during the forecast period FY2025-FY2032, growing from USD 198.28 million in FY2024 to USD 450.50 million in FY2032. The regional market thrives at a healthy growth rate due to the expanding Indian equipment manufacturing sector and the addition of new automotive companies.

India has become a potential market for industrial equipment and machinery, along with the deployment of automated tools in the manufacturing units. The government focuses on enhancing automotive production and equipment manufacturing through tax exemption schemes, grants, and subsidies. Increased usage of industrial automation in sectors such as automotive, aerospace, and electronics is anticipated to fuel market growth. Technological advancements and precision engineering are expected to transform market growth. The market is expanding as a result of ongoing advancements in EDM technology, which include improved surface quality, cutting speeds, and precision. Due to these developments, producers can increase output and shorten lead times, which increases the popularity of wire cutting equipment.

The higher adoption of autonomous vehicles, the advent of electric vehicles, and the higher demand for medical equipment post-COVID-19 have fueled the demand for equipment manufacturing and wire cutting machines. The government of India is supporting native manufacturers and applicable industries, helping the regional market to gain traction. In April 2024, the Ministry of Heavy Industries proposed that original equipment manufacturers (OEMs) give points that can be included in the 100-day plan. The ambitious Automotive Mission Plan (AMP) 2047 is likely to be announced in September 2024.

Continuous Technological Advancements and Government Support to Fuel Market Growth

The rapid market expansion is a result of continuously enhancing electric discharge machine (EDM) technology, which comprises improved surface quality, fast cutting duration, and precise operations. The increased productivity and shorter production times

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made possible by these developments increase the sales of wire cutting machines in India. In sectors like aerospace and medicine, there is a growing demand for extremely complicated and precise machine parts. Producing these complex components requires wire cutting machines to fuel market demand.

The primary goal of the government's Make in India campaign is to encourage domestic production and reduce reliance on imports. The demand for wire cutting machines is increased through policy, which encourages businesses to establish manufacturing operations in India. Launched in 2021 by the Ministry of Electronics and Information Technology, Production-Linked Incentives (PLI) is continuing to support local businesses. In the list of 14 large sector, it supports through the incentives, the medical equipment and automobiles, and auto components manufacturing holding a major place. The scheme has been successful till now as the investments have increased over the years through the PLI scheme.

For instance, in July 2023, the Economic Survey 2023-24 presented in the Indian Parliament explained the Production Linked Incentive (PLI) scheme for the automobile and auto components sectors, garnering proposed investments of USD 8 million.

**Business Ease, Technological Advancements, and Automation to Fuel the India Market**

The international manufacturing machinery giants are investing in a potential market like India. However, ease of doing business in India was one of the goals of the Indian government. India's rank in the DBR improved from 142nd in 2014 to 63rd in 2019, registering a jump of 79 ranks in a span of 5 years. Taiwan's AccuteX Co. Ltd. and United States' Phillips Corp. are some examples companies operating in India that deliver automatic and semi-automatic wire cutting EDMs. One important factor is the increase in industrial automation in several industries, including the automotive, aerospace, electronics, and medical tools sectors. Due to its accuracy and efficiency, EDM (Electrical Discharge Machining) technology is used by businesses to fit with the automation trends in production processes.

For instance, in September 2023, AccuteX Technologies Co., Ltd. displayed its groundbreaking wire cutting innovation with the launch of AZ-600 A at EMO Hannover 2023. The machine is based on EtherCAT (Ethernet for Control Automation Technology) and is equipped with advanced speeding, linear motor structure, and cutting-edge E-circuit technology. As a result, it gives industrial automation the strength and flexibility of Ethernet.

**Contactless Operations and Demand for Higher Accuracy to Fuel Automatic Segmental Growth**

Indian market for wire cutting machines has seen an aggressive expansion of automatic wire cutting machines due to the era of automation and Internet of Things-enabled machine operations. The main drivers of segmental growth are the introduction of new technologies, the use of automated solutions by industries such as transportation, medical equipment, and automotive, and government initiatives to promote automated technology. Compared to semi-automated wire cutters, automatic wire cutting machines are superior. Robotic wire trimmers reduce labor time by quickly identifying, disconnecting, and slicing cables in accordance with specifications. More productive equipment can process many components at once, whereas smaller devices are limited to operating on a single wire at a time. The steps towards full autonomy in various types of manufacturing, automatic wire cutting machines are expected to hold the market growth.

For instance, in April 2024, At the TAGMA Die Mold Exhibition in Mumbai, India, Sodick Technologies India Private Limited (Sodick Co. Ltd.) unveiled its most recent wire cut electrical discharge machine, which has i-Groove technology. By analyzing the cutting program, CNC determines the wire's rotational direction automatically (clockwise or counterclockwise) based on the offset side. Applications for the machine include sectors like aerospace, automotive, medical, and electrical.

**Future Market Scenario (FY2025 - FY2032)**

-□ India is becoming the hub of manufacturing, assembling, and shipping industries. The market for wire cutting is anticipated to propel growth during the forecast period.

-□ Higher demand for medical equipment and automotive components is projected to garner market expansion in India.

-□ Supportive government policies, such as advanced production-linked incentives, are helping India wire cutting machine companies to flourish.

-□ Rapid technological advancements in the electric discharge machining technology along with automation and IoT deployment in manufacturing units are expected to increase the productivity.

**Key Players Landscape and Outlook**

Key participants in the India wire cutting machine market adopt different strategies to expand in the market. Collaborations, participation, product launches, and high-end market research are some of the leading strategies that the Indian wire cutting

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machine manufacturers adopt. Furthermore, companies adopt foreign technologies to deliver higher precision and productivity. In May 2022, Seibu Electric & Machinery Co., Ltd. selected Sparkonix Pvt. Ltd. to be its sales and service agent in India for its line of ultra-precision CNC Wire Cut EDMs. With a robust national network of sales and service, Sparkonix is prepared to provide all the assistance needed to acquire Seibu's high-precision CNC Wire Cut EDMs. In February 2024, FANUC Corporation took part in TAGMA India's much-awaited DIE & MOULD INDIA 2024 exhibition. Using this platform, FANUC India hopes to highlight its cutting-edge industrial automation products designed specifically for the die mold sector.

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