

India's Robot Boom: Installations up 59%

- India ranks 7th in annual robot installations worldwide

Frankfurt, September 24th, 2024 – **Sales of industrial robots in India reached a new record of 8,510 units installed in 2023. This is an increase of 59% compared to the previous year (2022: 5,353 units). In terms of annual installations, India now ranks in seventh position worldwide. These are findings of the report World Robotics 2024, presented by the International Federation of Robotics (IFR).**

“India is one of the strongest growing economies among the Asian emerging markets,” says Marina Bill, President of the International Federation of Robotics. “The operational stock of industrial robots has almost doubled since 2018, reaching 44,958 units in 2023. This represents an average annual growth rate of 14% since 2018.”

Automotive

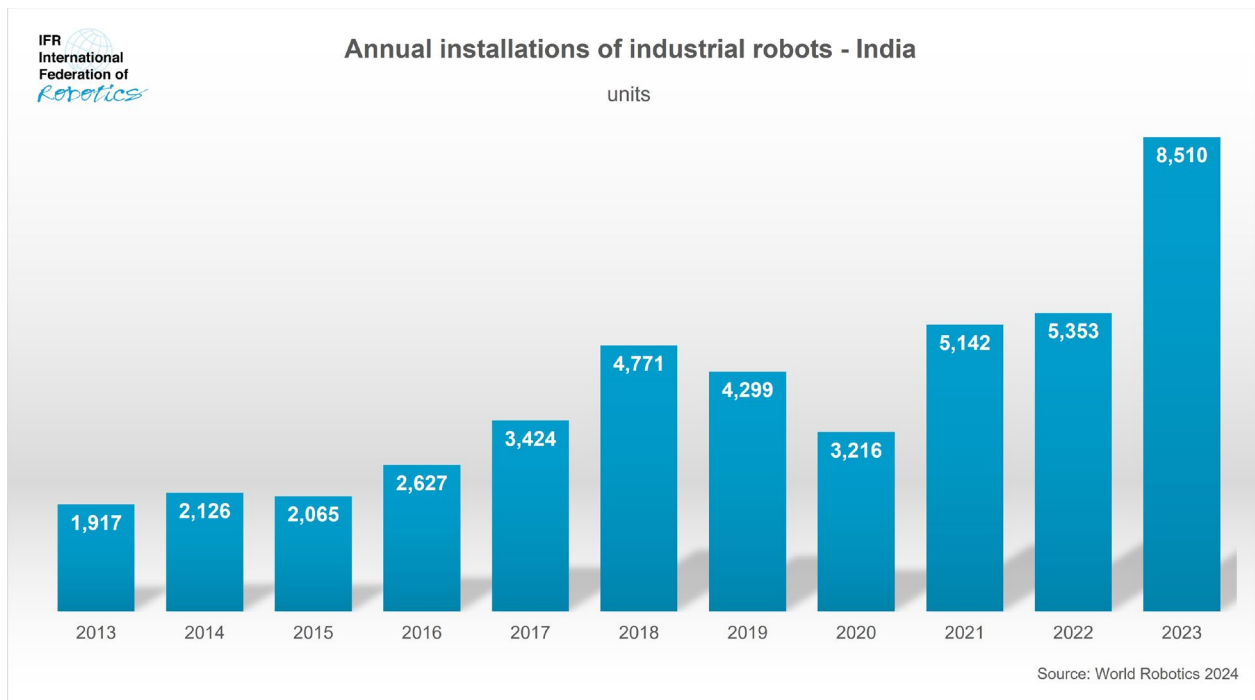
Installations in the **automotive industry** jump 139% to 3,551 units in 2023. Both car manufacturers and parts suppliers contributed to this development. This segment accounts for a market share of 42%. The **general industry** in India is led by the **rubber and plastics industry** with 408 units, up 17%. Installations in the **metal industry** remained steady at 329 units in 2023.

Long-term potential for India

The long-term potential of robotics in India becomes clearer when compared to China, which has a similar population size: Annual installations in China reached 276,288 units in 2023. This is 32 times higher than the current peak level in India.

Outlook

The OECD expects India's GDP to grow at a strong rate of 6.5 % per annum in the fiscal years 2024 and 2025. The automotive industry as the largest customer has announced some investment projects, mainly related to the production capacity for electric vehicles and batteries. Some of these projects have already been incorporated in the present statistics, while other projects are in progress or in the early stages. Robot installations in India are expected to grow further in 2024 and 2025. A contraction is expected in 2026, when the Production Linked Incentives program runs out. After that, some of the already announced long-term projects will create demand for robots.



Robot installations in India Hits All-Time High in 2023 © World Robotics 2024

Orders for World Robotics 2024 Industrial Robots and Service Robots reports can be placed [online](#). Further downloads on the content are available [here](#).

Downloads

IFR graphs, market presentation and press releases on selected markets in Chinese, German, and Japanese language are available at: <https://ifr.org/ifr-press-releases/record-of-4-million-robots-working-in-factories-worldwide>

About IFR

The International Federation of Robotics is the voice of the global robotics industry. IFR represents national robot associations, academia, and manufacturers of industrial and service robots from over twenty countries: www.ifr.org

The IFR Statistical Department provides data for two annual robotics studies:

World Robotics - Industrial Robots: This unique report provides global statistics on industrial robots in standardized tables and enables national comparisons to be made. It presents statistical data for around 40 countries broken down into areas of application, customer industries, types of robots and other technical and economic aspects. Production, export and import data is listed for selected countries. It also offers robot density, i.e. the number of robots per 10,000 employees, as a measure for the degree of automation.

World Robotics - Service Robots: This unique report describes marketable products, tasks, challenges and new developments by service robots application. The report includes the results of the annual IFR service robot survey* on global sales of professional and consumer service robots and an industry structure analysis including a full list of all service robot producers known to the IFR. The study is jointly prepared with the robotics experts of Fraunhofer IPA, Stuttgart.

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