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## **Jaya Hind Industries Installs India's Largest 4400-Ton High-Pressure Die Casting Machine**

Jaya Hind Industries, a member of the Dr. Abhay Firodia Group, has installed India's largest 4400-tonne high-pressure die-casting machine at its Urse plant near Pune. This Buhler-Switzerland machine signifies a major advancement in Indian manufacturing capabilities, particularly for complex aluminium components used in electric vehicles and commercial vehicles. The company aims to meet rising domestic and international demand for such parts.

Jaya Hind Industries has installed the 4400-tonne high-pressure die-casting machine at its Urse plant near Pune. This machine is the largest of its kind in India. The machine was supplied by Buhler-Switzerland. This investment highlights the company's commitment to technological innovation.

The new machine is expected to significantly enhance production capacity and improve workflows. It represents a significant step forward for the Indian die-casting industry. The machine allows for the production of complex aluminium structural components previously impossible to manufacture in the region.

### **Opening up possibilities**

This machine opens up possibilities for creating various components. These include parts like cradles, shock towers, and housings. It can also manufacture advanced aluminium parts for electric vehicles. Additionally, it can produce heavy-duty transmission and flywheel housings for commercial vehicles, the company said in a media release.

Prasan Firodia, Managing Director of Jaya hind Industries, stated, "This marks a proud moment for Jaya hind and the Indian die-casting industry. The 4400-ton machine reflects our relentless dedication to innovation and excellence. It empowers us to meet the rising demand for large, complex structural parts for futuristic applications, particularly in the rapidly evolving EV sector. We are looking forward to enhanced production capacity and improved workflows through the same."

Jaya hind Industries is poised to cater to both domestic and international Original Equipment Manufacturers (OEMs). The enhanced capabilities align with the growing global demand for lightweight, high-strength aluminium components critical to next-generation vehicles.

This milestone not only elevates Jaya hind Industries but also positions India as a global leader in advanced die-casting technology, redefining the future of manufacturing in the aluminium sector, the company said.

<https://manufacturing.economictimes.indiatimes.com/news/industry/jaya-hind-industries-installs-indias-largest-4400-ton-high-pressure-die-casting-machine/116523036>

## **Jaya Hind Industries Installs India's Largest 4400-Ton High-Pressure Die Casting Machine**

This advanced die-casting machine is a breakthrough in the manufacturing of large, intricate aluminium structural parts, which were previously difficult to produce in the region.

**Jaya Hind Industries Pvt Ltd has installed India's largest 4400-tonne high-pressure die-casting machine at its Urse plant near Pune. Sourced from Buhler-Switzerland, this machine underscores Jaya Hind's commitment to technological innovation and its pursuit of excellence in manufacturing.**

The development marks a new era for India's aluminium casting industry, enabling the production of complex structural components with high precision and efficiency.

This advanced die-casting machine is a breakthrough in the manufacturing of large, intricate aluminium structural parts, which were previously difficult to produce in the region. It is designed to manufacture a range of components, including structural parts like cradles, shock towers, and housings, as well as high-performance aluminium parts for electric vehicles. The machine's capabilities extend to heavy-duty applications such as transmission and flywheel housings for commercial vehicles, reflecting its versatility and cutting-edge design.

Speaking on this significant achievement, Prasan Firodia, Managing Director of Jaya Hind Industries, expressed pride in the company's accomplishment. "The 4400-ton machine reflects our relentless dedication to innovation and excellence," he said. "It empowers us to meet the rising demand for large, complex structural parts for futuristic applications, particularly in the rapidly evolving EV sector. We are looking forward to enhanced production capacity and improved workflows through the same."

This installation positions Jaya Hind Industries as a leader in advanced manufacturing, equipped to meet the demands of both domestic and international Original Equipment Manufacturers (OEMs). The company's enhanced capabilities align with the global push toward lightweight, high-strength aluminium components, critical for next-generation vehicle development.

Jaya Hind Industries, established in 1947, is a pioneer in aluminium die-casting. As part of the Dr. Abhay Firodia Group, the company provides end-to-end aluminium casting solutions for some of the most prestigious global and domestic OEMs.

With over 45 die-casting machines ranging from 160t to 4400t, Jaya Hind operates manufacturing facilities across Maharashtra, Tamil Nadu, Madhya Pradesh, and Germany. Its client base includes BMW, Volkswagen, Cummins, Ford, and Tata Motors. The company also holds a licensing agreement with KS-Huayu, Germany, for the production of cylinder blocks and structural parts.

This landmark achievement not only strengthens Jaya Hind's position in the global aluminium die-casting industry but also sets a new benchmark for manufacturing excellence in India.

**Tags:** Jaya Hind Industries

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### **Jaya Hind Industries Installs India's Largest 4400-Ton High-Pressure Die Casting Machine**

This massive die-casting machine is redefining manufacturing standards.

Jaya Hind Industries Pvt. Ltd., part of the Dr. Abhay Firodia Group, has made a significant advancement in manufacturing by installing India's largest 4400-ton high-pressure die-casting machine at its Urse facility near Pune. The machine, sourced from Buhler-Switzerland, sets new standards for producing complex aluminium structural components, aligning with the growing demands of the automotive and EV sectors.

The 4400-ton machine enables Jaya Hind to produce a range of critical structural parts, including cradles, shock towers, housings, and advanced components for electric vehicles and commercial vehicles. This development enhances India's capabilities in meeting the global demand for lightweight, high-strength aluminium components.

Prasan Firodia, Managing Director of Jaya Hind Industries, expressed his excitement, stating, "This milestone underscores our dedication to innovation and our commitment to meeting the increasing demand for large, complex parts in the EV and automotive sectors. It's a moment of pride for us and the Indian die-casting industry."

With this installation, Jaya Hind strengthens its ability to serve domestic and international OEMs, paving the way for advanced aluminium manufacturing. The company's expanded capacity not only supports India's evolving EV landscape but also positions the country as a leader in die-casting technology.

Founded in 1947, Jaya Hind Industries has been a pioneer in aluminium die-casting since 1964. The company operates facilities in Maharashtra, Tamil Nadu, Madhya Pradesh, and Germany, serving clients like BMW, Volkswagen, Cummins, Ford, and Tata Motors. It also holds a licensing agreement with KS-Huayu, Germany, for cylinder blocks and structural components.

<https://www.manufacturingtodayindia.com/jaya-hind-industries-installs-indias-largest-4400-ton-die-casting-machine>