

Excavation Division Locations

- ◆ AKASHI, JAPAN
- ◆ SINGAPORE, SINGAPORE
- ◆ PEORIA, IL, USA
- ◆ VICTORIA, TX, USA
- ◆ THIRUVALLUR, INDIA
- ◆ XUZHOU, CHINA
- ◆ WUXI, CHINA
- ◆ PIRACICABA, BRAZIL
- ◆ GRENOBLE, FRANCE
- ◆ WACKERSDORF, GERMANY
- ◆ SOSNOWIEC, POLAND
- ◆ JANOW, POLAND
- ◆ GODOLLO, HUNGARY
- ◆ DEN BOSCH, NETHERLANDS



CATERPILLAR AKASHI PLANT GUIDE



Caterpillar Japan Akashi Plant

Caterpillar Japan LLC

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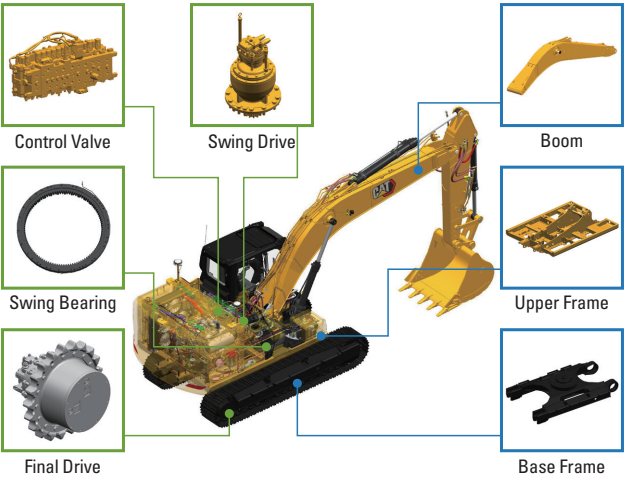
History of Caterpillar Akashi

- 1960 ○ The Akashi Plant was originally established as a dedicated plant for construction machinery under Shin-Mitsubishi Heavy Industries.
- 1961 ○ Production of Japan's first domestically manufactured hydraulic excavator, the Y-35, began.
- 1971 ○ Established as an independent entity, the Akashi Plant became part of Mitsubishi Heavy Industries.
- 1972 ○ Began production of the MS Series.
- 1986 ○ The Hydraulic Excavator Development Center (HEDC) was established.
- 1987 ○ Shin Caterpillar Mitsubishi was established through the merger of Caterpillar Mitsubishi and the Akashi Plant.
- 1989 ○ Achieved cumulative production of 100,000 units.
- 1992 ○ Launched production of the Cat 300 Family "REGA", a globally unified hydraulic excavator model.
- 1996 ○ Acquired ISO 9001 certification for quality management systems.
- 1999 ○ Acquired ISO 14001 certification for environmental management systems.
- 2000 ○ Achieved cumulative production of 200,000 units. Began production of the C Series.
- 2005 ○ Began production of the D Series.
- 2008 ○ Achieved cumulative production of 300,000 units. Company name changed to Caterpillar Japan.
- 2011 ○ Began production of the E Series.
- 2014 ○ Began production of the F Series.
- 2015 ○ Achieved cumulative production of 400,000 units.
- 2016 ○ The Y-35, Japan's first domestically developed hydraulic excavator, was honored as a Significant Historical Material of Science and Technology by the National Museum of Nature and Science.
- 2017 ○ Began production of Next Generation hydraulic excavators.
- 2018 ○ Next Generation Series Cat 320 received the Good Design Award.
- 2022 ○ Achieved cumulative production of 500,000 units.
- 2025 ○ Celebrated the 100th anniversary of Caterpillar and the 65th anniversary of the Akashi Plant.

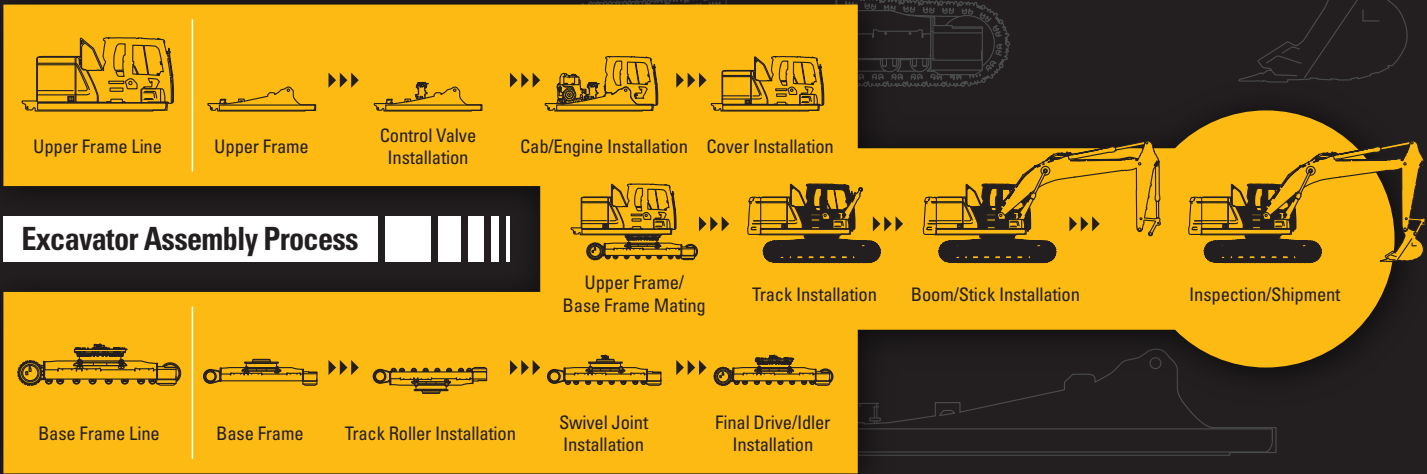
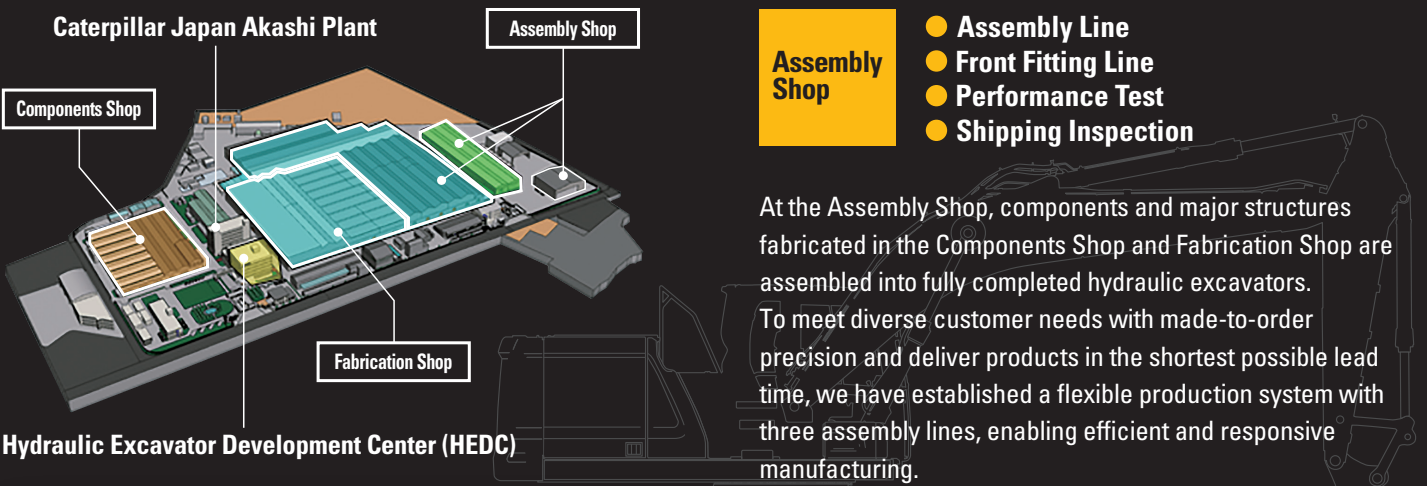
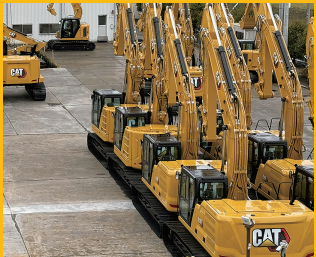
Plant

Next Generation hydraulic excavators are produced in world-class manufacturing facilities.

Located on a vast site of approximately 240,000 square meters, the Akashi Plant comprises three factories that manufacture key components such as control valves, the heart of hydraulic control systems, as well as sheet metal structures that form the skeleton of construction machinery. Leveraging advanced technologies and state-of-the-art



equipment, the plant ensures a stable supply of high-quality and highly durable products. As a leading production facility for hydraulic excavators within Caterpillar, we are committed to delivering state-of-the-art products backed by proven reliability to customers around the world with speed and precision. To fulfill this mission, we continuously pursue high productivity, operational flexibility, and exceptional quality, while driving ongoing factory innovation.



Components Shop

- Machining FMS
- Assembly Cells and Inspection Equipment
- Painting Equipment
- Medium Coordinate Measuring Machine

Fabrication Shop

- Fabrication Welding FMS
- Heat Treatment and Surface Finishing Equipment
- Painting Systems for Fabrication
- Large Coordinate Measuring Machine

The Components Shop manufactures essential parts such as control valves—the heart of hydraulic control systems—along with swing bearings, powertrain, and other critical components. By introducing high-precision machining equipment, we are able to produce highly accurate components that meet strict inspection standards.

The Fabrication Shop manufactures the key structural components—Upper Frame, Base Frame, and Boom—that form the backbone of each hydraulic excavator. Equipped with state-of-the-art welding and machining systems, the facility ensures the production of highly durable and precise structures. In addition, our latest automated painting booths ensure high-quality surface finishes on all fabricated components.

Development

Where the Future of Hydraulic Excavators Begins - The Hydraulic Excavator Development Center.

Caterpillar proudly supplies high-performance hydraulic excavators to customers around the world. These machines are developed at the Hydraulic Excavator Development Center. Leveraging a global network, top specialists at the center thoroughly analyze market intelligence and operational data collected from around the world to formulate development concepts. Using advanced design tools enriched with extensive know-how, they conduct repeated simulation analyses and component system tests to refine and validate design specifications. The finalized designs are then shared with Caterpillar manufacturing facilities overseas, where they are used in production—ensuring consistent quality and performance across the globe.

Test & Evaluation

The Toughest Fields in the World Are Our Proving Grounds

The Mark of Trust: Cat®. The Cat® brand is a symbol of trust—awarded only to products that meet the highest standards of quality and performance. The Next Generation Cat® excavator, NGH, made its global debut after undergoing rigorous durability and performance testing. From component-level evaluations to full-machine testing of operability, productivity, and fuel efficiency, every aspect was thoroughly verified. The machine also endured long-term continuous digging and off-road durability trials under harsh conditions. Through this exhaustive process, we deliver hydraulic excavators that offer the reliability and durability our customers around the world expect and deserve.