

HOLTEC
INTERNATIONAL



State-of-the-Art Manufacturing

Manufacturing Overview

Holtec uses state-of-the-art fabrication and automation to create custom equipment for the energy industry and beyond. Located in New Jersey, Pennsylvania and Ohio (U.S.) and Dahej (India), our manufacturing facilities cover over 1 million square feet of floor space. Holtec's tools and machines extrude, roll, form, weld and finish custom components, including large forgings and castings.

Holtec's vertically-integrated structure allows designers and fabricators to work closely during project development and manufacturing phases. As a result, we are able to incorporate lessons learned and implement design-to-fabrication best practices. With innovation that knows no limits, Holtec is poised to be a world leader in developing cutting-edge technologies.

World-Class Equipment

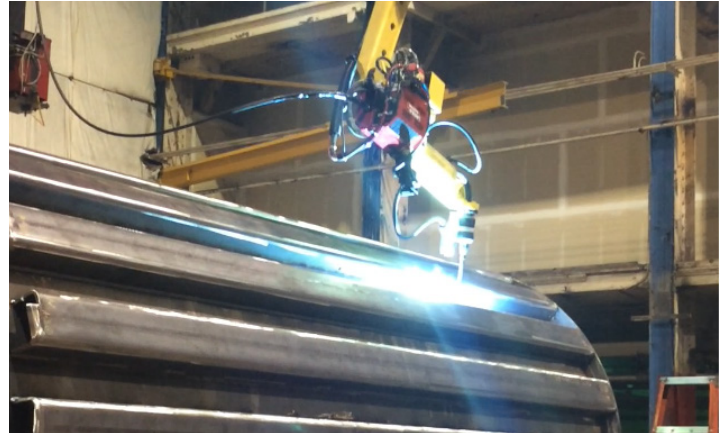
Holtec's manufacturing facilities feature the most robust and efficient machinery in the industry designed to support large part fabrication:

- Large DAVI plate roller has a bending force of 5,500 tons and a rolling capacity to bend plates over 6.5 inches thick and up to 13 feet wide.
- Pietro Carnaghi vertical turning and milling center has a 100 ton capacity and a turning range of 15 feet and a turning height of up to 17 feet.
- Holtec's CNC plasma/oxy and water jet-cutting tables cut thick and diverse material, including stainless steel up to 9 inches thick and aluminum up to 12 inches thick.
- Nissan Tanaka Laser Cutter has a fixed 12-by-40 foot table and can cut stainless steel up to 3/4 inch thick. This machine has a material handling system with 12 shelves, each shelf having a weight capacity of 8,050 pounds.
- PAMA SpeedRam horizontal dual column boring and milling machine has a 100 ton capacity and two 157.5 inch rotary tables, each with a 14.5-by-28 foot central machine table.
- PAMA VertiRam gantry type vertical machining center features 5-axis milling and an 8 foot diameter lathe table with an 11.5 foot swing. With its universal milling head, an unlimited number of operations can be performed in a single set-up configuration.
- Ultra-heavy hydraulic press brakes and plate rollers, capable of hot and cold rolling of plate stock, thin or thick.
- Holtec's extrusion presses provide the ability to extrude aluminum alloys of all types (Class 1000 to 7000). The largest press has a thrust capacity of 7,200 tons and can handle billets of up to 14 inches in diameter and 700 pounds.
- Our friction stir welding machines can join alloys of aluminum, copper and other exotic metals up to 1 inch thick.
- All of Holtec's manufacturing facilities have inspection stations with special equipment that ensures quality control.



Culture of Quality

Holtec's Corporate Quality Assurance, Safety and Corporate Governance Programs ensure the highest quality of deliverables, superb safety metrics, and a clean and transparent corporate culture. These programs have been reviewed, approved and endorsed by regulators and clients, making Holtec America's top supplier of engineered equipment and systems for the global energy industry. Holtec holds several ISO certifications and ASME Code Stamps, including N, N3, NPT, NS, NB, R and U.



Commitment to Safety and Environmental Protection

At Holtec, we are dedicated to developing innovative technologies and solutions that serve our clients' needs, while protecting public health and safety and the environment. Above all, safety is our top priority. Holtec adheres to stringent safety standards in order to ensure the safety of our personnel, the communities we serve, and the environment.



Quality Assurance



One Approved Vendor List



One Set of Operating Procedures



One Corrective Action Program



One Digital Control System

Our Mission

- To develop technologies that protect public health and safety, and provide the utmost protection to those who use our structures, systems and components.
- To develop technologies that help protect the environment by producing pollution-free energy.
- To treat every project as a solemn undertaking in which on-time performance and superb quality of goods and services are non-negotiable requirements.
- To expect unimpeachable integrity from our associates in all of their dealings with clients, vendors and regulatory agencies.
- To foster a stimulating work environment wherein every associate has the opportunity to realize his or her professional potential to the maximum extent.
- To remain a learning organization, forever striving for a higher plateau of excellence.
- To maintain open, honest and frequent communication with our neighbors and stakeholders to educate, engage and enlighten.

Key Facts

- Holtec is a vertically integrated supplier that possesses in-house capabilities to design, engineer, analyze, license, fabricate and perform on-site construction.
- Holtec has a global presence with operation centers located in 10 countries around the world.
- Holtec's four manufacturing facilities (three in the U.S. and one in India) cover nearly 1.5 million square feet of manufacturing floor space.
- Holtec Manufacturing Division is one of America's largest exporters of capital equipment for the nuclear industry. It is also among the largest manufacturers of ASME Code components.
- Since its founding in 1986, Holtec has maintained a solid record of consistent profitability. Today, Holtec has a bonding capacity of \$500 million and an excellent credit rating.
- Holtec has been granted over 180 patents in areas of equipment design, fabrication processes and materials.
- Holtec's engineers helped develop the modern ASME Code, HEI and TEMA standards for design and construction parameters for shell and tube heat exchangers, water-cooled and air-cooled condensers.



SMR-300 Small Modular Reactor

SMR-300: A single loop pressurized water reactor plant guaranteed to produce 300 megawatts of electrical power under baseload conditions at any terrestrial location, equipped with an imbedded fail proof gravity-driven reactor coolant circulation system to ensure "walk-away safe" operation. This robust small modular reactor is based on pressurized water reactor technology utilizing low enriched uranium fuel, and provides reliable, affordable, carbon-free energy. It is the ideal solution for sustaining economic growth worldwide.

For more information on Holtec International, visit www.holtec.com.

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