

LENAPE FORGED PRODUCTS CORP.
CUSTOM FORGINGS



Lenape Forged Products Corporation

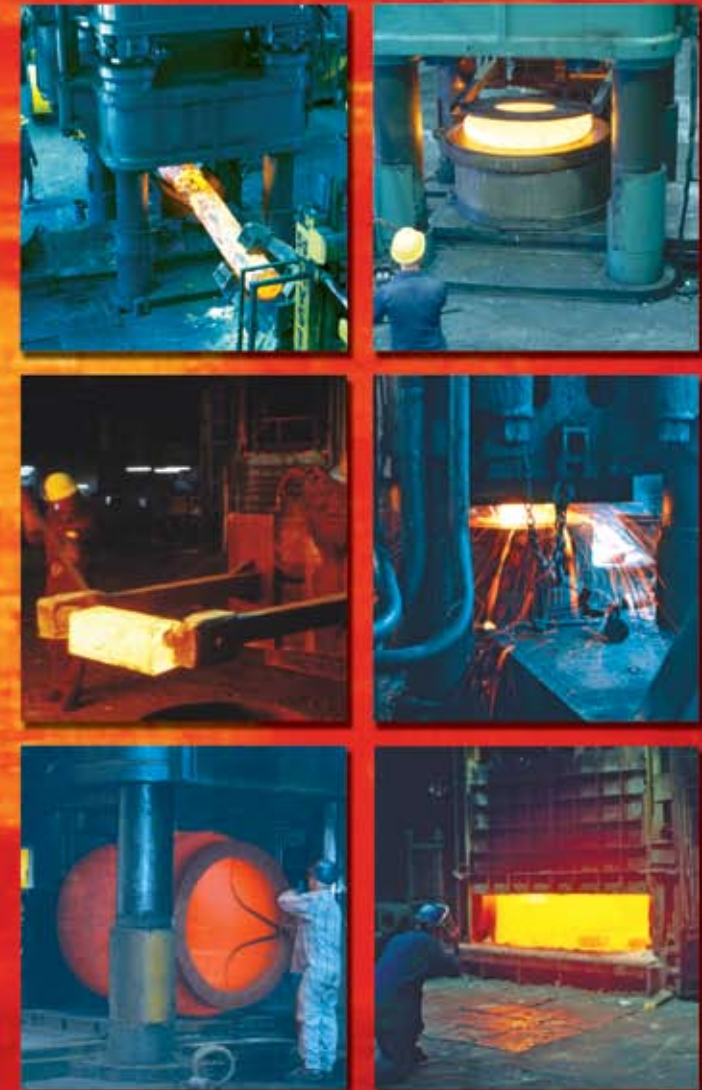
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INTRODUCTION

The name Lenape has been synonymous with quality custom forgings for over 85 years.

When Lenape first started its business, the aircraft, aerospace, automotive and refining industries were in their adolescence; the nuclear industry didn't exist; the power generation industry was just hitting its stride; and missiles were reserved for fireworks. Through our success as a key supplier to these industries, Lenape's reputation grew and the company became a go-to source for difficult and sophisticated applications.

Today, the employees of Lenape Forged Products Corporation carry on the same tradition of quality, skill, and craftsmanship that was established on the banks of Pennsylvania's Brandywine River decades ago.

Lenape produces custom forgings in our 135,000 square foot manufacturing plant in West Chester, PA. Our forgings are used in aircraft, submarines, refineries, nuclear generating stations, missiles, surface warships, space craft, processing plants, offshore oil rigs, boilers, pressure vessels, off-the-road equipment, scientific research equipment, and other specialized applications. Lenape's capabilities include metal conversion, hydraulic press forging, heat treatment, machining, and physical/metallurgical testing.

Lenape can accommodate raw materials input weights of up to 21 tons and forge capacities up to a 5,000 ton press. Lenape's extensive inventory of company-owned dies can be used to create a wide array of forging configurations.

Lenape is certified by ASME as a Nuclear Materials manufacturer and complies with all applicable Navy nuclear and commercial nuclear specifications.



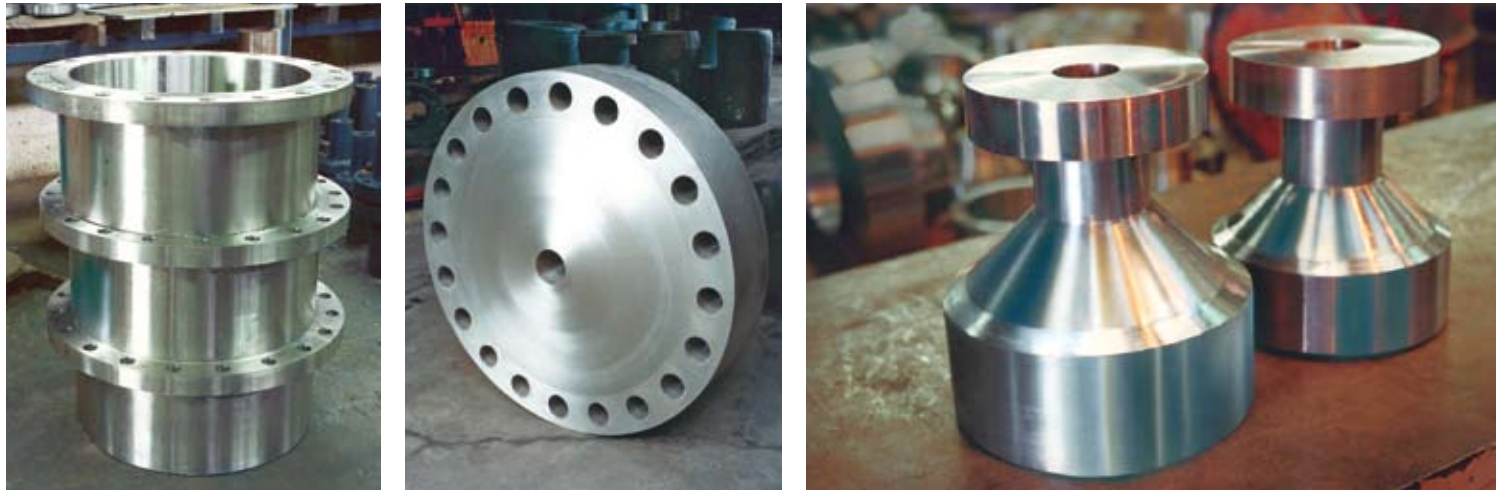
Forging Methods:

- Contour die
- Open die
- Back extrusion
- Mandrel expansion
- Closed die
- Modular die
- Upsetting
- Piercing & punching
- Plate flueing & pressing

HISTORY

Over many decades, Lenape has remained a preeminent manufacturer of complex custom, contoured and open-die forgings. In its early days, Lenape Forged Products Corporation was known as Lenape Hydraulic Pressing and Forging Company. Its major products were pressure vessel connections and manways. Lenape's most famous product—the Lenape Long Weld Neck—was developed in those early days.

Later, the family-owned company became known as Lenape Forge. Its business increased and a large segment of its market was forgings for power generation equipment. Lenape became a leader in reinforced branch connections for piping and pressure vessels.



By 1965, Lenape was part of Gulf+Western Manufacturing Company. In 1983, a group of Lenape's managers instituted a buyout program from Gulf+Western and brought local control to the company. In early 2006, Lenape Forge Inc. changed ownership again and was renamed Lenape Forged Products Corporation. This change brought a renewed commitment to customer satisfaction, quality, continuous improvement, and on-time performance.



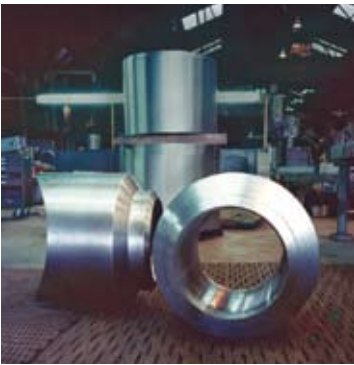
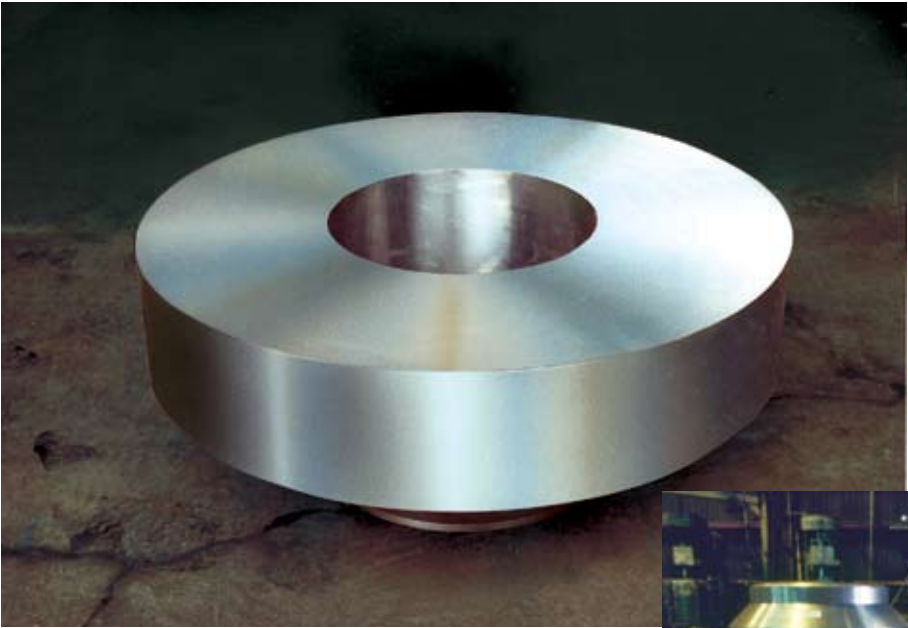


POWER INDUSTRY FORGINGS

Lenape and the power industry go back a long, long way—since our company’s beginning. Many of Lenape’s original standard forgings were made for use in power generation applications. Today, our forgings are the industry standard for connections to pressure vessels used in steam generation.

Our custom valve component forgings, tube sheets, heads, wye fittings and cylinders are almost as well known as our standard forgings. Take giant ball valves for example. A lot of skill goes into making huge, custom forged ball valves for nuclear generating stations. Component reliability and metallurgical exactness are essential for safe plant operation. Lenape has the forging and machining experience and ability to produce these parts to rigid government specifications. We have a number of repeat customers who consistently specify Lenape for their forging needs.

Our forgings for coal, natural gas, and oil-fired power plants receive the same care and attention as our nuclear components. Lenape’s Quality Department ensures that the systems and processes are in place so each part meets or exceeds all of our customers’ required engineering specifications.



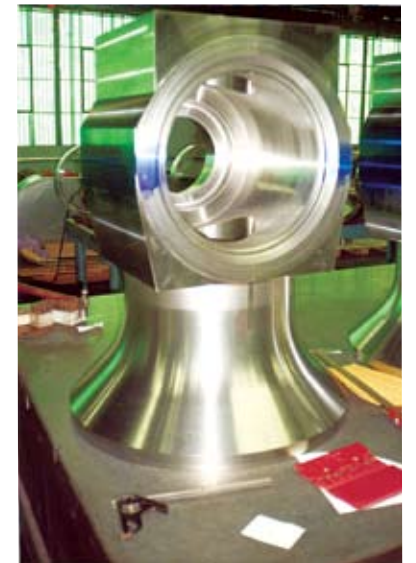
DEFENSE FORGINGS

Nuclear submarines, high performance warships, and modern aircraft carriers use highly engineered custom forgings. So do terrestrial weapons systems and technology-driven ordnance. Lenape has the special equipment and skill to produce forgings that meet exacting tolerances and metallurgical requirements demanded in current military hardware.

At Lenape, we are proud of our long-standing, proven track record of supplying custom forgings to the US Navy. Examples of Lenape's work include custom manways, valve bodies, reactor forgings, special rings, artillery, missile & torpedo components, cylinders and custom-designed parts. Lenape's vast die inventory often speeds up the forging delivery cycle by reducing tool lead times and shortening new product tryout periods.

Lenape is also a supplier to the US Army, US Air Force, and other US government agencies. Lenape has supplied the federal government with many different types of forgings for a wide variety of ordnance and other critical defense requirements.

All major processes at Lenape are performed internally at its West Chester facility including heat treating and non-destructive testing. Lenape can meet all applicable military specifications, and we hold many specific documented approvals by the DOD.



REFINERY, PIPELINE AND OILFIELD FORGINGS

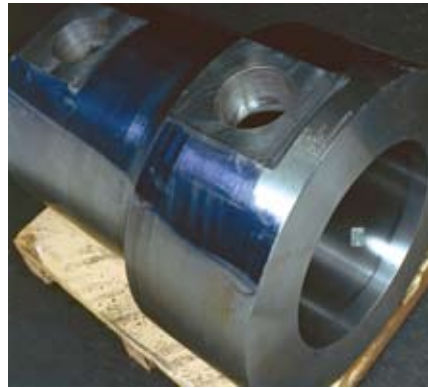
Refineries, chemical plants, oil production facilities, and pipeline systems use a wide variety of custom manufactured equipment that must withstand high pressure, high temperature and corrosive substances. Lenape's 85 years of producing pressure vessel forgings makes us the ideal source of forgings for refinery, chemical and pipeline applications.

Lenape is a recognized supplier of custom nozzles, tube sheets, manways and flanges to major petroleum refiners and chemical processors. Our facilities are among the oldest continuously operating custom forgings operations in the USA. Our ability to forge and machine stainless steel to exact specifications and to ensure corrosive or reactive resistance is integral to the proper function of process equipment.

Lenape forgings are used in "Christmas Trees" and valving produced by internationally known suppliers of offshore drilling equipment. Long lasting equipment used in hostile environments with pressures up to 50,000 psi must meet tough requirements and Lenape's forgings continually meet that challenge.

Forgings designed and produced by Lenape have been used in arctic conditions as well. An example is custom nozzles requiring Charpy Impact Test results of 40 foot-pounds at -20°F. Lenape routinely manufactures components for leading makers of heat exchangers and can produce components for any size unit.

Lenape has the skill and facilities to produce forgings that most of our competitors cannot. Our engineers and metallurgists will assist you in designing any custom forgings you need to virtually any specification you require.



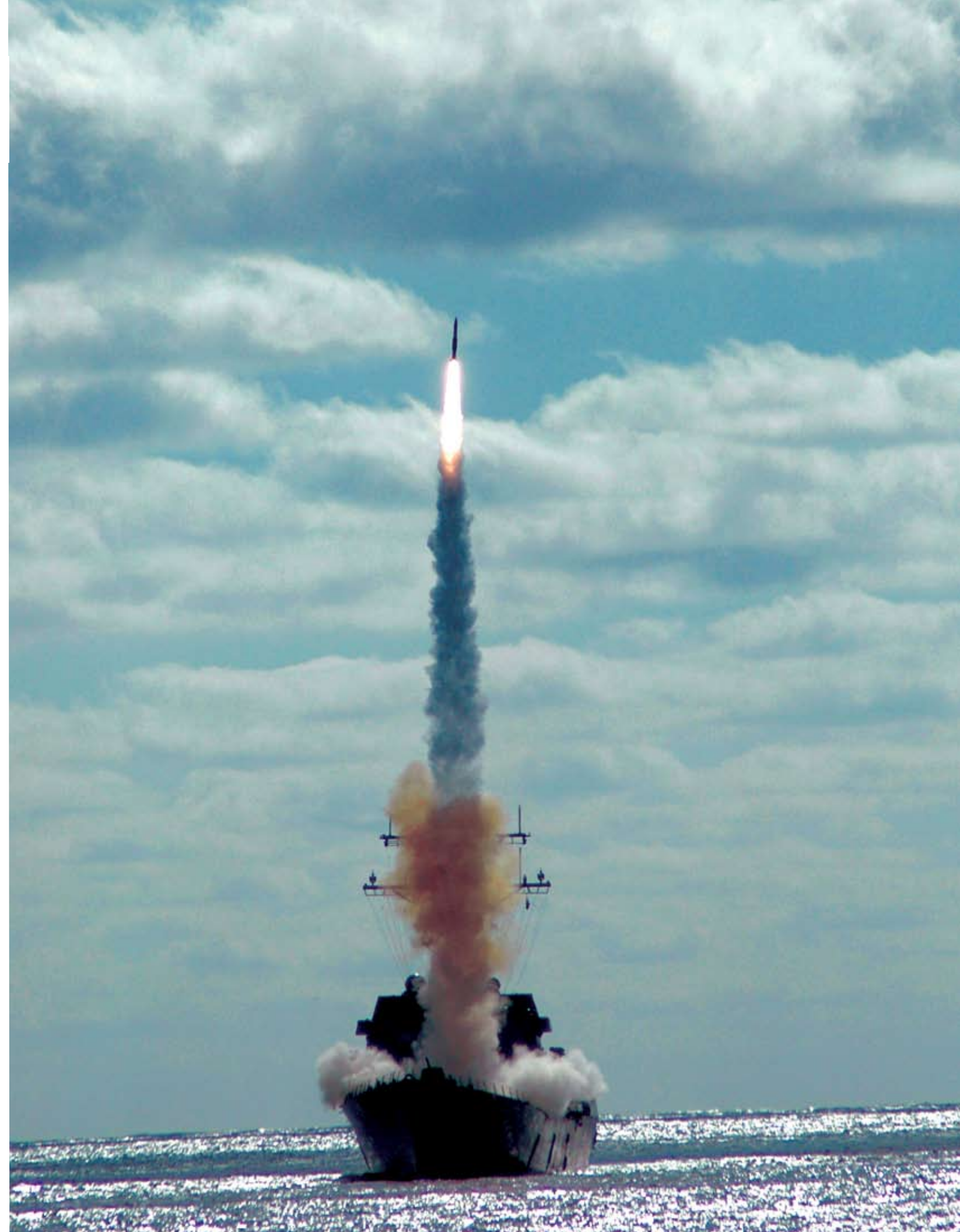
ALUMINUM FORGINGS

Lenape is skilled in the production of aluminum forgings and has many years of experience with specialized, difficult-to-forge applications. Companies and organizations including the US Department of Defense, NASA, and top 10 defense prime contractors have benefited from Lenape's skill with aluminum.

Lenape's craftsmen easily handle most standard shapes. Over the last 15 years, Lenape has manufactured thousands of cylindrically shaped large aluminum pre-form shapes and hand forgings. Lenape customers then finish these pre-forms and hand forgings into final configurations at their own plants.

In addition to standard heat treatment procedures, Lenape performs cold working on many aluminum forgings. Cold work, which enhances the physical properties of the metal, is done via expansion and aids uniform and stable dimensions in the finished components.

Aluminum forgings produced by Lenape are used in critical aircraft, space launch, satellite, and missile components. Lenape aluminum forgings are also found in medical equipment.



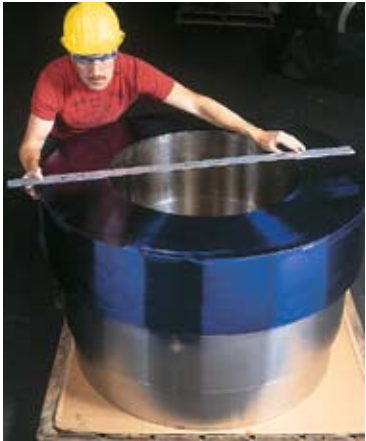
OTHER NON-FERROUS FORGINGS

Non-ferrous forgings in exotic metals are a specialty at Lenape. The company has significant experience creating forgings in many exotics including titanium, Incoloy, Monel, copper/nickel alloys and high nickel alloys (Inconel 600, 625, 690, 718, 725, etc.).

In titanium, Lenape has an extensive history of working with Department of Defense contractors. We have produced many critical titanium components for nuclear submarines including for the newest Virginia class. Lenape has also produced critical forgings made of titanium for turbine engines and mine detection equipment.

Other exotic metals that Lenape uses for forgings for submarines include Inconel and Monel. They are used for their non-corrosive and high temperature properties. However, both require precision handling during forging operations to maintain their unique metallurgical properties. Lenape has proven experience and skill in working successfully with these metals in military programs known for demanding specifications.

Lenape has also produced forgings from other non-ferrous materials. Some of these forgings include Incoloy cylinders, high nickel alloy rings, and components made from OFHC copper. Lenape's background with these metals ensures that forgings produced at our plant will maintain all of the special metallurgical properties associated with the exotic metal while meeting the specifications for each application.



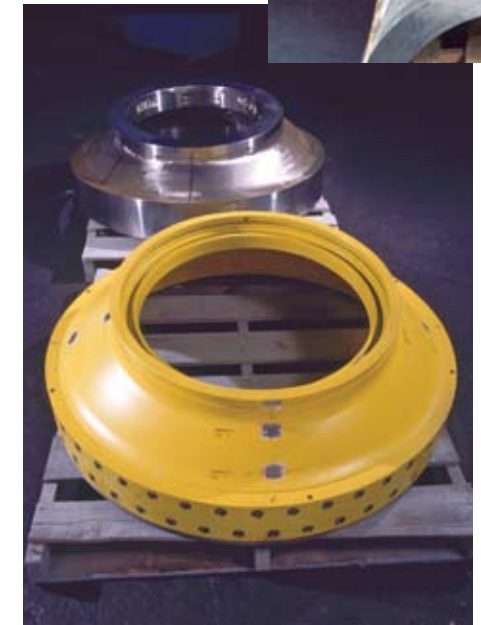


COMMERCIAL SPACE LAUNCH

Equipment for commercial space launch demands exacting requirements and a rigid quality focus. That's why internationally known aerospace companies call on Lenape to supply them with key components for rockets and launch vehicles. Lenape has met their critical needs consistently.

Some components are one-of-a-kind forgings while others are both short-run and long-run forged production parts. Every case requires components that meet difficult metallurgical standards. In space programs, millions of dollars and sometimes human lives are on the line with every launch. Lenape forgings have proven themselves in these demanding applications over and over again.

Here is just one example: As part of an international space research effort, Lenape was selected to provide critical components for link-up parts that allowed US Astronauts to rendezvous with their Russian counterparts on the MIR space station. Of all the forging companies that applied and could have been selected, Lenape is extremely proud that it was chosen time and again to participate on the production team for many applications. That is a testament to our quality and reputation.

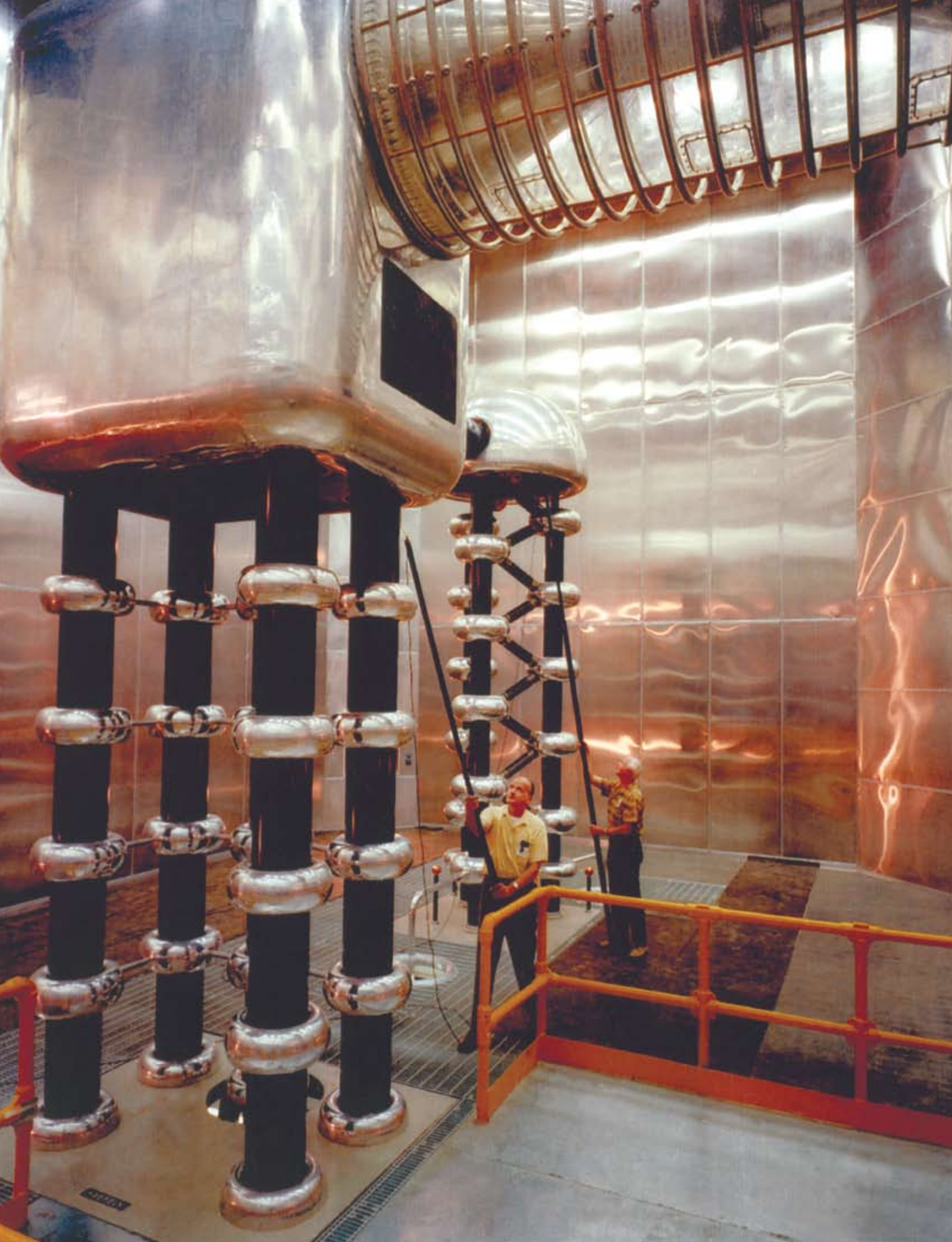
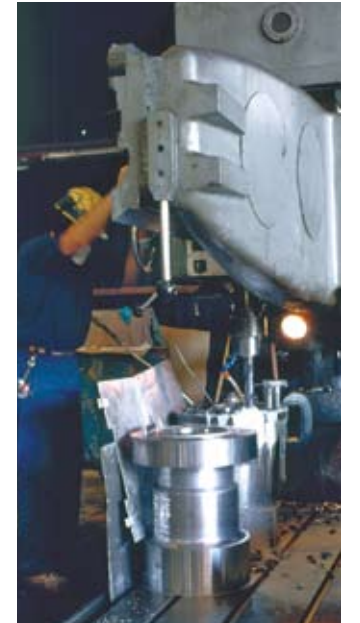


FORGINGS FOR RESEARCH & DEVELOPMENT

Lenape provides specialized forged components for R&D programs at private as well as national research laboratories. These clients usually need unique forgings that are designed in extraordinary configurations and often with extreme tolerances. Lenape has created special forgings for all levels of research projects: investigational research scale, bench scale, and pilot plant scale.

As a custom forging manufacturer, Lenape routinely handles special orders making R&D and process laboratory components a challenge that fits our company well. When required, Lenape has the necessary engineering staff to deliver the technology for precise production for extraordinary applications.

Lenape has worked for many R&D organizations including Brookhaven National Laboratory, Sandia National Laboratory, and Los Alamos National Laboratory. We have provided forgings for research done by the US Navy on various advanced sea surface and undersea projects. Lenape welcomes the opportunity to help scientists and engineers develop state-of-the-art technologies and equipment.



FINISHED COMPONENTS

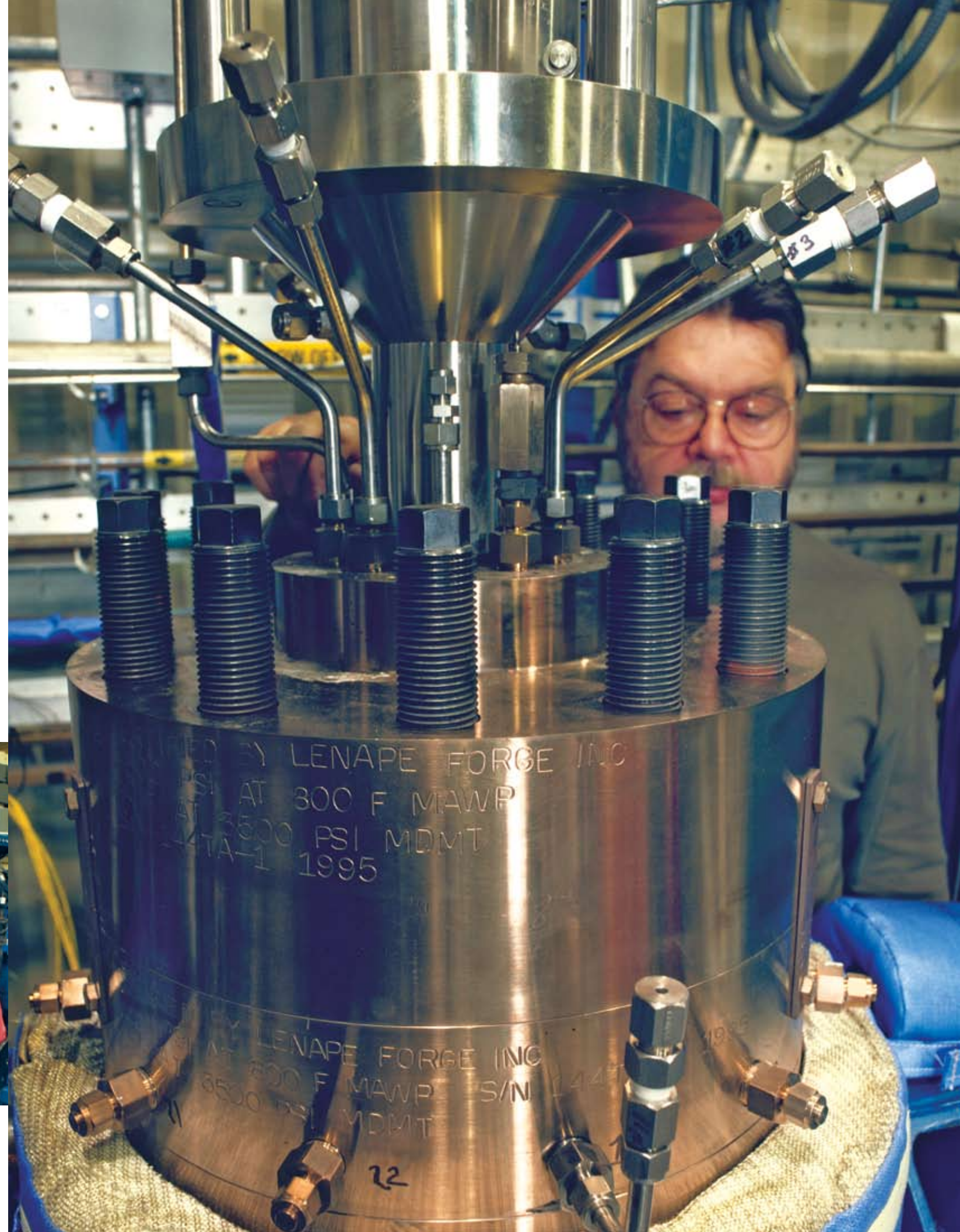
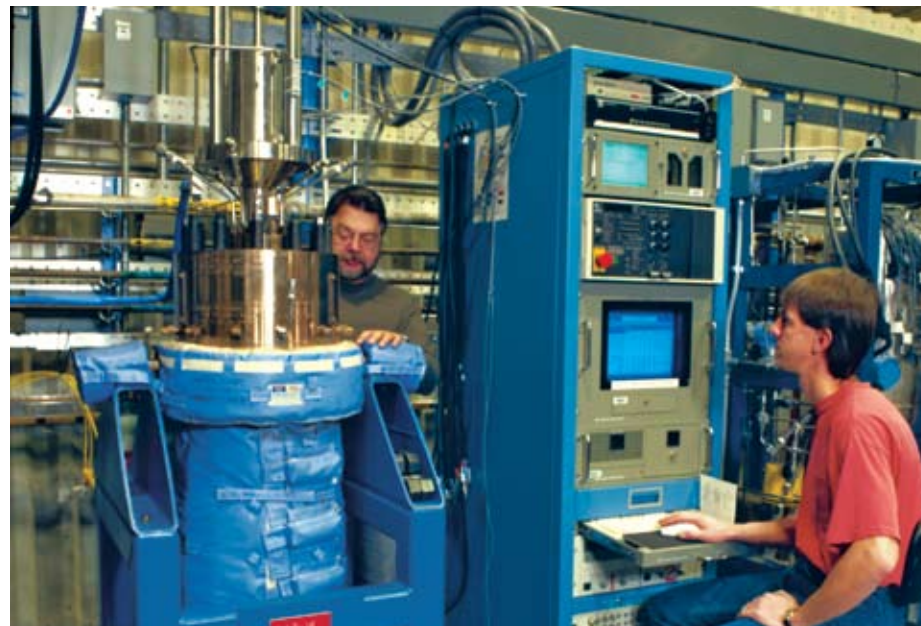
Lenape provides the production services to partially or completely assemble the end product to our customers. In some instances, this service makes great economic sense by lowering final costs and decreasing delivery times.

An example of this service is the assembly of special types of manways that use forged components. Other examples include chemical production or laboratory apparatus, hatches, and valves. But, there are no set guidelines simply because Lenape is a custom facility—we are often able to do what is required by our customers. The Finished Components service increases our customers' productivity and ensures precision fit of component assemblies that use forgings as integral parts.

Autoclaves

Another of Lenape's special Finished Components category is autoclaves. Forgings are required for this high temperature, high pressure application. As the most critical component of an autoclave are the forgings with everything else almost incidental, autoclave assembly is a perfect fit for our capabilities. By using Lenape for fabrication, you will realize significant savings over assembly shops that routinely buy forged parts from Lenape, mark-up the parts, then assemble, test and sell the units to their customers. Buying direct from Lenape will reduce your costs and lead time.

Lenape can custom manufacture pilot scale, bench scale or micro scale autoclaves to match your drawings and specifications. If your autoclave has not been engineered, Lenape can assist you in the process. You will receive a high quality product with rapid delivery at a reasonable price.



INDUSTRY PARTNERSHIPS

Lenape provides some of its customers with a unique service that also may benefit your company. Lenape has developed partnerships with several of our customers by becoming more integrated in their product development and production processes. This helps our customers gain greater control and accuracy in their component acquisition cycle, unit pricing, and quality.

In this partnering, Lenape conducts a personnel exchange. Two or more of Lenape's technical staff visits your facilities for an extended period of time and/or invites your personnel to Lenape's West Chester facility. This dual residence program fosters mutual understanding. Lenape's concept team works with your R&D, engineering or production staff to help develop the optimum design and configuration of forged components for your product or project.

The Lenape concept team functions as your industry partner to help you save time and money. This process also helps foster an understanding as to what is feasible and realistic in terms of the best use of forging equipment and capabilities. When Lenape is part of the initial phases of design or development, you eliminate much guess work and supposition in specifying custom components and parts. By designing your product or project in a manner that fits a specific series of machine tools or other equipment, you can often identify substantial design changes that will aid in the reduction of unit costs and manufacturing lead times well before final drawings are created. Lenape offers this service free of charge provided your company agrees to contract with Lenape for any forgings specified as a result of the collaboration. You can discuss the details of our industry partnership program with our marketing department or anyone on Lenape's management team.

