

Parts processing with cutting-edge technology

In recent years, we have increased the number of cold air vents for enhanced durability in our combustor parts, which are our specialty. They have also become more complex in shape. In order to meet the production demands that grow each year, we have worked together with other SBUs and research institutes to develop and introduce a laser processing machine that has the

High-speed lase

processing

top processing speed by world standards. This has made high productivity and major decreases in processing lead time possible.

The Latest News and Innovations from Our SBUs

"Made in Japan" MRJ passenger aircrafts to fly the skies of the world

In order for these aircrafts to spread their wings around the world, we are required to have approvals from local and foreign civil aviation authorities where they demand robust quality management system assuring compliance to applicable regulations. Our quality management system is recognized by civil aviation authorities and international customers as one of the best that meets their requirements and expectation by establishing procedures and manufacturing / maintenance processes. With our wealth of knowledge and experience, we will support the assembly of MRJ engines and ensure safe operations.



Leveraging our innovative expertise and techniques to drive growth with our external partners

The Commercial Aero Engine SBU focuses mainly on the manufacturing of low-pressure turbine (LPT) modules and combustors that are used in the engines of aircrafts. Aircraft engines are precision machines that consist of tens of thousands of parts. That is why it is technically difficult for a single company to develop and manufacture an entire engine by itself and why most engines are developed through international collaborations. Although aircraft engines require rigorous precision, our SBU has been utilizing our specialty technology such as high-speed laser machining technology and ceramics processing technology while increasing our presence in the market. We also continue to earn our customers' trust as one of the few existing engine maintenance centers that can disassemble, clean, and provide maintenance work for used engines.

In October 2014, we were independently established as Mitsubishi Heavy Industries Aero Engines, Ltd.; making us an organization that can make the decision-making process much faster. We are currently involved in multiple engine development projects and the scale of our operations is expected to reach 2.5 times what it is today by the early 2020's.

We are also scheduled to start assembly of engine for MRJ soon. We will be the first facility in Japan to perform "Final Assembly & Test" for production of commercial aero engines. Therefore, quality management system that endures intensive inspection processes of civil aviation authorities around the world is necessary. In order to keep up with production ramp up, we collaborate closely with our contractors and other external entities, and take on challenges together with all those concerned so that we can develop new business models with our own technology and expertise.

Mitsubishi Heavy Industries Aero Engines, Ltd. Commercial Aviation & Transportation Systems

Commercial Aero Engines SBU



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The PW1200G engine, which is to be used in MRJ. We are also taking part in developments with Pratt & Whitney, which is one of the world's top three engine manufacturers.