

High quality components for aerospace industries

Aerospace industries require highly complex components that have operate at peak performance, and at extreme limits of temperature, pressure or high speed rotation.

Components made for operational extremes



Challenge

The aerospace industry demands highly accurate precision components, and meeting the new AS9100 Rev D standard is critical to this requirement.

Roscomac already supplied leading global aerospace manufacturers and attaining the new AS9100 standard specific to aerospace was a logical step.

AS9100 Rev D includes quality management system and safety requirements and applies to aviation, space and defence. New aspects include product safety as well as review of risks in operational processes and individual contribution to product and service quality.



Solution

In reaching the AS9100 Rev D standard Roscomac reviewed manufacturing systems, component paperwork visibility, traceability, materials tracking and waste, and also new requirements related to counterfeit parts prevention.

As well as quality requirements enshrined in the new standard, costs are also critical to the aerospace industry. Roscomac's in-house CAD CAM, efficient production processes and introduction of the latest CNC machines were key.

Roscomac worked hard to guarantee that costs to clients stayed low, whilst ensuring the AS9100 Rev D quality management standards were achieved.

About Roscomac

Our mission is to make it once and make it right, by employing the best people, latest CNC machines and manufacturing processes.

We make and deliver thousands of products and a million parts a year, everything from V8 engine blocks to miniature connectors.

Harnessing efficient production and new technology innovations enables us to deliver the highest quality machined components at the lowest practicable cost.

At Roscomac everyone is an engineer, so we can exploit technology to deliver creative manufacturing solutions to meet every customer's needs.

Customer service is in our DNA, with in-house expertise to provide complete support from the start to finish of production.

Using the latest machine tools enables 24 hour manufacturing, which helps reduce costs for all of our clients around the globe.

Our clients are also able to call off manufactured product for instant stock, reducing project costs and shortening lead times.

Balancing quality with component costs

To cope with the tough environments they operate in, aerospace components use exotic materials and metals and are supplied highly polished or in a range of finishes.

Roscomac components meet the standard aerospace requires

Every aerospace manufacturer is different, but they all seek component suppliers that meet an ideal balance of quality, cost, certification and supply, combined with sufficient scale of manufacture to meet their requirements.

When you're a supplier to the aircraft industry, quality is synonymous with reliability, so all components need to confirm to strict manufacturing and test standards to ensure conformance to specification, with full traceability.

Component quality, cost and service are all critical

With aerospace components safety and quality go hand in hand, but cost is also important, with the industry often requiring component costs that can be maintained over periods as long as 10-15 years, as this is the period most modern passenger aircraft can be in service.

Excellent service is also critical, so Roscomac manages materials supply, CNC manufacture, supplied equipment refurbishment and component parts supply to aerospace clients around the globe.

Our aerospace clients also benefit from ongoing customer support, CAD CAM design and the latest in CNC component manufacturing.



To discuss how your aerospace project could benefit from Roscomac manufacturing solutions give us a call.



"Roscomac's good communication and pro-active approach greatly reduces the amount of time we need to put into supply administration. They achieve and maintain the highest level of service in regards to quality and on time delivery."

Aerospace manufacturer purchase manager

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