

High Production Volume Manufacturing

What is high production volume?

We receive many inquiries about projects from prospective customers and I am still humbled that many ask if we will cut 1-2 parts? Yes, of course, is my answer and we are happy to support in any way and at any volume within our laser services. High production volume in our service industry means multiple things. To some, a high-volume machining project is a few hundred parts per year, while others a few thousand every few months. While on another level high volume production is in the thousands and hundreds of thousands per year and set in place with a demand schedule, a blanket purchase order and a clear scope of work. A-Laser 's use of experience, knowledge, commitment to quality, and customer service has continued to earn ongoing opportunities as a supplier of laser cut precision parts. Manufacturing, like all business, depends greatly on the influx of orders. The quality produced and the services provided ensure continued patronage from current customers and new opportunities from prospects. Being able to become part of the supply stream is where A-Laser can be a great value as a partner through collaboration. Our high-volume production machining process is supported by a Quality Management System, a customer service team, certification, knowledge, and technology.

A-Laser is structured under a QMS or Quality Management System. All projects, volume or R&D level are subject to have every step in the process confirmed and certified to the project's requirements. This is done in part by having ISO certification of 9001-2015. A quality manual along with regulations of record keeping of all data, documents, and communication. Additionally, the QMS ensures all manufacturing equipment, tools and other devices are kept calibrated. This is vitally important to customers seeking a provider who will have records on hand for audits.

Customer service is key in our ability to provide the customer with our capabilities and project status but also to relay the project's goals and review with the production team. Communication is a valuable commodity and is needed for success on every level. We will learn what the potential volume and scope of work is for your project. We ask because we want to focus the support whether it is for R&D or high-volume production. The experience we have acquired over the past 20 years allows selection of the best laser system to use and what laser tool or laser parameters will result is the high-quality cut part expected.

This knowledge of laser manufacturing is complemented by the technology used. Laser systems are terrific methods to cut precision parts, but not one system type can cut every material. To be effective in support of high production volumes a range of laser systems includes ultraviolet, infrared, and fiber laser technologies. This coupled with multiple systems, adds redundancy, and enhances our ability to support production at many levels.

High production volume projects require the members of the supply stream to have flexibility of supporting changing production quantities. Having a QMS in place and

experienced professionals ensures every part is the same. This includes ongoing communication with the customer and backed with technical experience and manufacturing redundancy.

Benefits of High Production Volume:

- **Reduced costs:** By leveraging economies of scale, high production volume machining allows for significant cost savings. The more parts you produce, the lower the cost per unit.
- **Faster turnaround times:** With our streamlined production process, we can deliver parts quickly and efficiently, meeting even the tightest deadlines.
- **Increased efficiency:** High production volume machining minimizes waste and optimizes production processes, resulting in improved efficiency and productivity.
- **Consistent quality:** Our rigorous quality control measures ensure that every part meets or exceeds your specifications, delivering consistent and reliable results.

Please read more at:

[High Volume Machining - A-Laser Precision Laser Cutting](#)

[A-Laser Precision Laser Cutting - Laser Ablation, UV and IR Lasers](#)