



J&N ENGINEERING

Where quality manufacturing meets quality service.



J & N ENGINEERING
1310 N 4th Street
San Jose, CA 95112

A word from our CEO.

I started J & N Engineering in 2014 with the goal of producing and delivering on time high quality parts with superior customer service. At J & N Engineering we pride ourselves in our versatility and adaptability to meet our customer's specifications with precision. At J & N I am not just the CEO but I am also the production manager as I oversee all the manufacturing process in the company. This allow for a more efficient and timely production of high quality parts. J&N Engineering is not simply a CNC Machine Shop. We want to be a part of the engineering process and work together with you to finish your projects deadline. We want to understand the functionality of the parts so that we can better assist you and make sure all the tolerances are met. Efficient yet rigorous, our quality assurance team check for any defects throughout the whole process, from the setup of the operation to the finishing touches.

With over 20 years of experience in the industry, I have learned and developed many techniques and tooling methods to meet the tight tolerance specifications. At J & N Engineering we are committed to quality parts with quality service, something that we take pride in since the beginning of J& N Engineering. If there are any unsatisfied customer, I will work with the customer closely to be of better service and providing quality products. Our team at J&N Engineering is committed to the excellence in our services.

*John Pham
CEO and Production Manager
J & N Engineering*



In 2014 J&N Engineering opened for business with two machines by two brothers, John and Tu. Today we house over 15 CNC machines with over 20 employees.

1 Why you should choose us.

At the heart of Silicon Valley there are many choices when deciding your supplier. What makes us stand out from the competition is that we are willing to go the extra mile for our customers. We are calculated yet versatile in our approach to do what it takes to meet our customer's needs. At J&N Engineering we form a partnership relationship with all our customers and we are proud of what we are able to do for our customers. Through each partnership we always have their best interest at heart. We want to be your partner, whether facing a deadline for a project, or helping to lower the cost of production, we want you to feel like we're beside you all the way.

Acting with the above beliefs allow us to consistently outperform expectations and achieve outstanding results. We believe we provide a level of service that you won't find anywhere else.

2 Facility

What makes us stand above the rest of the competition is what allowed us to grow aggressively in the last four years. In 2014 we started with two CNC machines[**Figure 1**] in a 2000 sq ft facility. With the rapid growth of our company in the last 4 years and the acquisition of new machines[**Table 1**] and equipments, we had to move to a larger facility[**Figure 2**]. Our current working facility is located at **1310 N 4th Street, San Jose, CA 95112**. We have over 20 CNC Machines and will continue to expand to meet our customer's needs. Our rapid growth since 2014 is a testimony to our customer's satisfaction and we are very proud of the services we provide to our customers.

Figure 1: Our humble beginning.



Figure 2: The working floor at our facility in 2019



2.1 Machines Specifications

Table 1: CNC Mills

Machine Type	Model	Specification	Quantity
Medium CNC Vertical 3-axis Mill	YCM FANUC NXV 1020A	1020mm × 520mm × 540mm	9
Large CNC Vertical 3-axis Mill	YCM FANUC NXV 1380A	1330mm × 762mm × 700mm	1
Large CNC Vertical 3-axis Mill	DMG MORI CMX 1100V	1100mm × 560mm × 510mm	2
Large CNC Horizontal 4-axis Mill	DMG MORI NHX 4000	Pallet 400mm × 400mm	1
Medium CNC Horizontal 4-axis Mill	Makino A51NX	∅ 630mm × 900mm	1
Medium CNC 5-axis Mill	YCM FX380 5-axis	∅ 630mm × 900mm	1

Table 2: CNC Lathes

Machine Type	Model	Specification	Quantity
CNC Horizontal Lathe	Hyundai	12" × 10"	1
CNC Horizontal Lathe	HUYNDAI-WIA HD2200SY	19" × 10"	1

Figure 3: Coord3 ARES NT 500cm CMM



3 Manufacturing Process

Currently we have over 15 CNC machines running around the clock to meet our customer's demand. All of our equipments are purchased brand new to meet quality in production. The planning process starts when we receive a Request for Quote(RFQ) and carefully plan out the number of operations and processes to meet the specifications. Depending on the turn around time, we then assign the number of machines necessary to complete all operations in a timely manner. Each machine is setup with detailed instructions[**Doc No. JN1007**] so that each order and batch is consistent in quality. After each operation the first batch will be inspected to satisfy the specifications.

3.1 Operations Optimization

With the intricacy of each part, the number of operations and order of operation will determine the cost and quality of the product. With over 20 years of experience, we have learned and mastered many techniques and methods to optimize the number of operations while still maintaining the quality in production. At J&N Engineering we are committed to lowering cost for our customers and provide on time delivery.

4 Deburring and Cleaning Process

The harsh reality is that machine edge burrs are an inevitable part of any cutting manufacturing process, and present a necessary and critical process in the fabrication operation— a deburring system. Making sure that you have the right system in place requires complete understanding and careful consideration of a number of factors such as; part size, profile, material, part thickness, and finish quality to name a few.

At J&N Engineering, thanks to decades of experience we know which deburring method is best for each specifications.

All of our machined parts are machine deburred

5 The Inspection Process

We use a state-of-the-art clean room to inspect all critical specifications. The room is fully equipped with inspection tools to handle any form of measurements. All critical measurements must be inspected following the detailed instructions[**Doc No. JN1008**] and record all measurements on the Inspection Sheet[**Doc No. JN1006**].

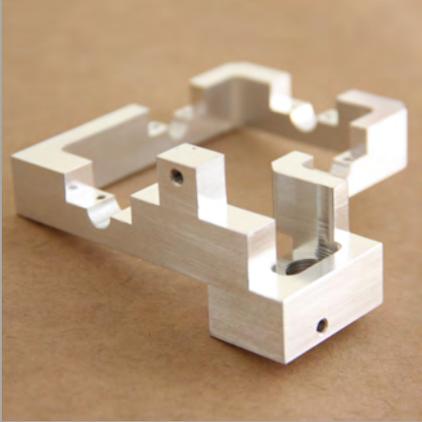
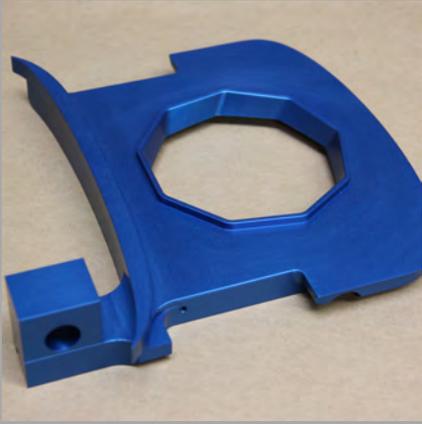
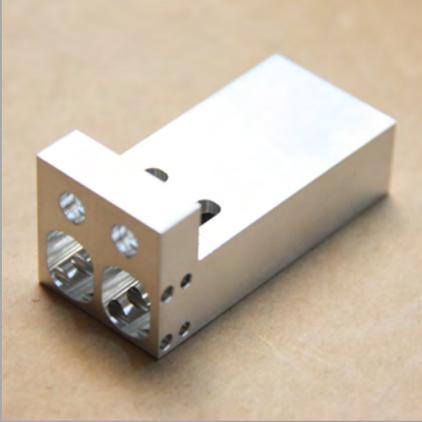
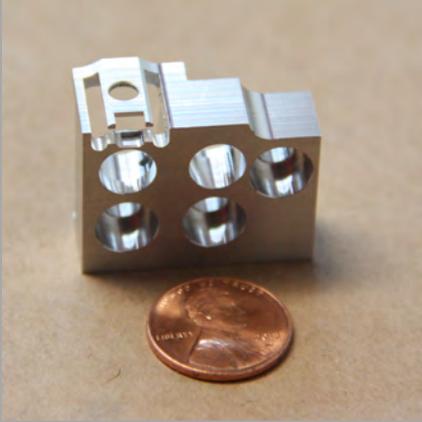
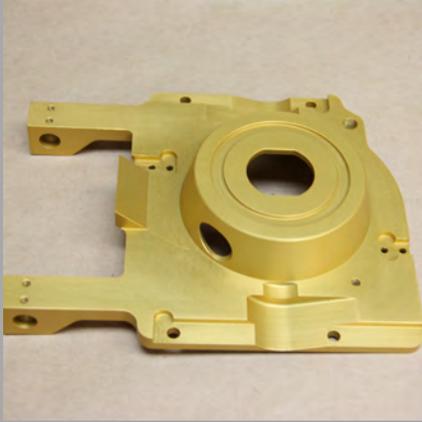
Table 3: Inspection tools

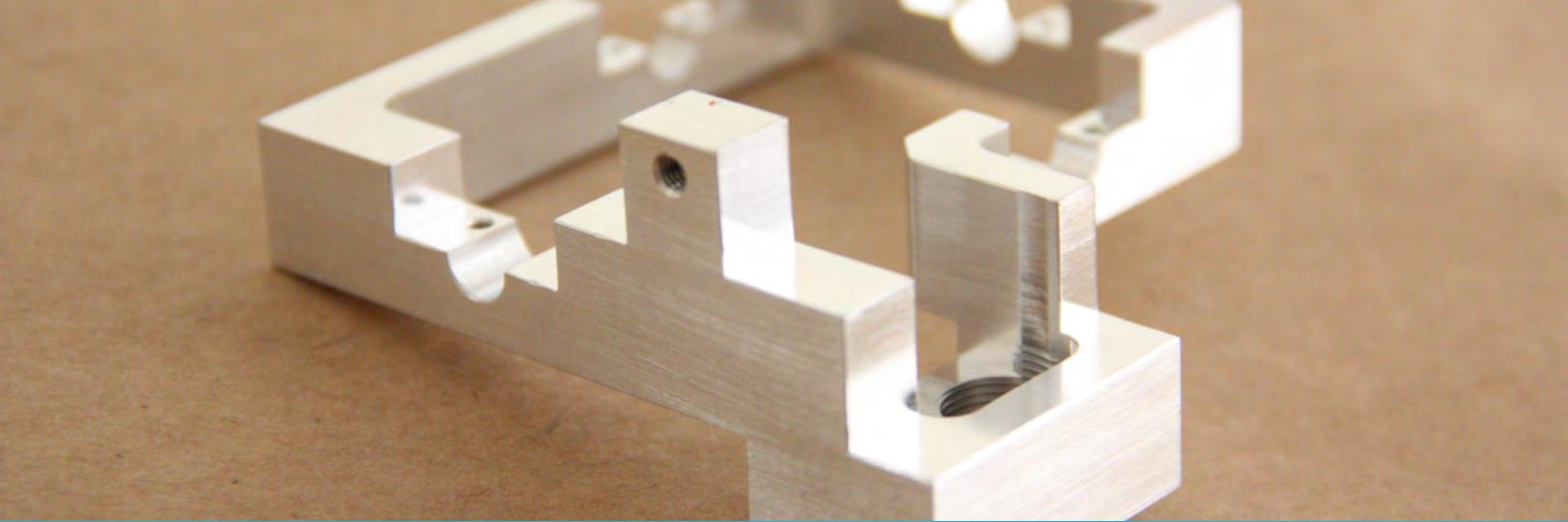
Machine/Tool Type	Model	Specification	Quantity
CMM	Coord3 ARES NT 500mm[3]	500mm	1
CMM	Coord3 ARES NT 700mm	700mm	1
Profile Projector	Mitutoyo PH-A14		1
Large Granite Table	Precision Granite	36" × 24"	1
Medium Granite Table	Precision Granite	18" × 24"	1

6 J & N Customer Service Commitment

At J&N we take pride in the service we provide. J&N Engineering is committed to a high quality service, before and after the delivery of goods. We understand there are many vendors to choose from and we hope you will give us a chance to show you what we have to offer, a partnership that you can rely on.

Sincerely,
J&N Engineering Team





J&N ENGINEERING

Providing the level of service you can count on.

