

LATEST PURCHASED EQUIPMENT

HAAS UMC-750

FULL 5-Axis MACHINING
12,000rpm SPINDLE
30" x 22" x 20"
40 TAPER



HAAS VF-4ss

FULL 4-axis MACHINING
12,000rpm SPINDLE
1,400ipm RAPID
50" x 20" x 25"
40 TAPER



SOFTWARE CAPABILITIES



ABOUT US

Owner Tam Nguyen's background in Mechanical and Manufacturing Engineering combined with 7 years experience in a variety of machine shops inspired him to found Alva Manufacturing. Tam developed his skills in CNC programming and gained experience with many different types of machines and processes. Before opening his own shop, he last worked for Cooper Surgical Inc. and developed his skills in project management and Quality Assurance.

Today, ALVA Manufacturing is a critical component manufacturer that specializes in 3, 4, and 5 axis machining for the Medical and Aerospace Industries. Since opening in January 2012, the Alva family has grown from 3 to 14 members, increased capabilities from 3 to 10 machines, and also achieved ISO 9001 Quality certification. State-of-the-art equipment and industry best practices, combined with our streamlined operations and overhead structure, enable Alva Manufacturing to provide customers with high quality products completed on schedule and at low cost.



ALVA MANUFACTURING

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ALVA MANUFACTURING

ISO 9001:2008 CERTIFIED

MACHINING ENGINEERING
ASSEMBLY FABRICATION



MEDICAL

"We are proud that many of our surgical products are being used by health professionals daily."

-Tam Nguyen
President

MEDICAL COMPONENT 5-AXIS SURFACE MACHINING



SURGICAL RETRACTOR & HOOK STAMPING - FORMING - POLISHING



UTERINE MANIPULATOR DETAILED MACHINING



UTERINE MANIPULATOR MACHINING - EB WELDING - POLISHING



WE UNDERSTAND YOUR NEEDS

ALVA Manufacturing is a critical component manufacturer that specializes in 3, 4, and 5-axis complex machining for **Medical** and **Aerospace** Industries. We lead our customers to success with the following commitments:

- **Highest quality**– We don't let parts leave our shop until we are one hundred percent sure that they meet our customers' requirements.
- **On-time delivery**– We believe in being honest up front and only take orders that we are able to deliver in the allotted time frame.
- **Timely communications**– Our dedicated customer service team keeps customers updated with our progress and our engineering team addresses issues as soon as they arise. We will come to you before you come to us.
- **Continuous improvement**– We believe people are the key to success in meeting our goals. We have implemented training programs so that our employees continue to learn and stay current with the latest industry best practices in manufacturing and fabrication.

OUR OPERATIONS

- Utilize ERP system to track orders- E2 Shoptech
- Provide customers frequent updates on our progress
- Always perform first article and final inspection
- Supply in-process inspection data when required
- Inform customers immediately when issues arise
- Constantly track our on-time delivery performance
- Collect customer survey and feedback to keep improving our quality
- Apply Lean Six Sigma practices to our operations
- Get involved in design stage and provide design for manufacturability analysis to new products
- Provide a team-based learning environment that maximizes workplace productivity

RECENT IMPROVEMENTS

We are always working to improve the quality of our products and operations. Recent projects include:

- Obtain AS9100c Quality certification
- Increase inspection capabilities by acquiring CMM (Coordinate Measuring Machine) and Vision Systems
- Enhance capabilities by recruiting additional professional engineers

LIST OF EQUIPMENT

VERTICAL MACHINING CENTERS

HAAS VF-4SS, FULL 4-AXIS, 12K rpm SPINDLE, XYZ 50"x20"x25"

HAAS VF-2SS, 12K rpm SPINDLE, TRAVEL XYZ 30"x16"x20"

MATSUURA MC-800V, FULL 5-AXIS, TRAVEL XYZ 32"x18"x32"

KASUGA QUANTUM Q-1250V, 50 TAPER, XYZ 50"x25"x25"

MORI SEIKI MV-JR, TRAVEL XYZ 22"x16"x18"

HORIZONTAL TURNING CENTERS

TAKISAWA ECO-TURN 0020, 10" CHUCK, TAILSTOCK

MORI SEIKI CL-20A, 8" CHUCK

MIYANO JNC-25, 6" CHUCK, TAIL STOCK

PUNCH PRESS

SUTHERLAND MARK-40, 40 TON, TABLE 24"x15"

QUALITY INSPECTION

OPTICAL COMPARATOR, STARRETT HB400, QUADRA-CHEK 200

ALVA'S CAPABILITIES

IN-HOUSE PROCESSES

5-AXIS HIGH SPEED MACHINING

3D SURFACE MACHINING

METAL STAMPING & FORMING

3D CAD MODELING

HARDWARE INSTALLING

MIRROR POLISHING

BEAD BLASTING

OUTSOURCED

CHEMICAL FILM

HEAT TREAT

WELDING

ANODIZE

PLATING

PAINTING



RUGGED COMPUTER ENCLOSURES

On August 29th 2012, we were proud to announce that our Quality Management System was certified to ISO 9001:2008. Please send request for a copy of our certification.