# 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.

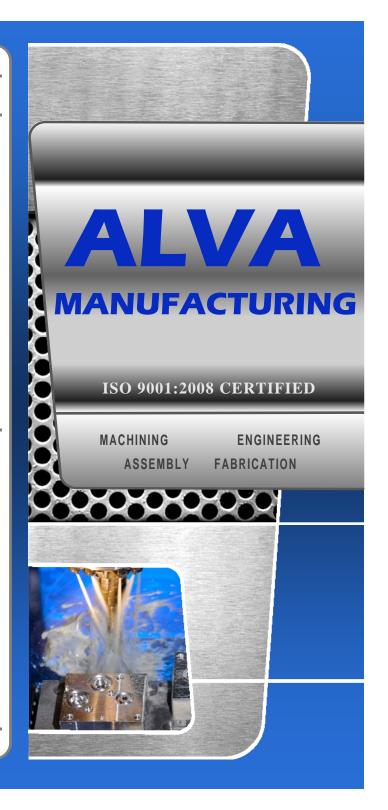
Today, ALVA Manufacturing is a critical component manufacturer that specializes in 3, 4, and 5 axis machining for the Medical and Aerospace Industries. Since opening in January 2012, the Alva family has grown from 3 to 14 members, increased capabilities from 3 to 10 machines, and also achieved ISO 9001 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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www.alvamfg.com



### **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

# -1





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.