

Alpha Machining

Products & Development

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www.allcadcam.com

**An ISO 9001:2000 & AS9100
certified company!**

"...for all your machining & design needs!..."

Welcome

- Alpha Machining Products & Development is a woman owned, family run business that started in 2000. Our main objectives are to carry out on large and small productions, among others focusing on CNC Machining, Heat frames (panels), Solid Shotgun-Firearm Barrel & components, Gas turbine blades, Jet Engine-Aircraft parts & components manufacturing. We also offer patent-products research and development.
- ★ We are proud to announce our latest addition to the client services field, a **FULL IN HOUSE CAD/CAM DESIGN & PRODUCTS DEVELOPMENT** with a team of top engineers in various industry fields. This allows us to provide our clients with **MAXIMUM** cooperation with any of their challenging projects, providing short turn around time with the highest industry quality ever imagined!
- In addition, our team also offers on-site consulting in the research & development field. With over 65 years of family experience originating from Europe and the U.S., we have patents/patent pending projects worked in several areas of the industry.
- Our CNC Milling & Turning technology, combined with the craftsmanship and experience of our professionals, produces tight tolerance level, accurate and high quality products. Our highly trained professionals are dedicated to producing outstanding quality products and services so that our clients can be leaders within their prospective markets. We are more than happy to talk with you to explore opportunities to partner.
- ➔ **We are also ISO 9001:2000 & AS9100 CERTIFIED!**

"...for all your machining & design needs!..."

Ildiko K. Pinero
President

Keys to success...

- Our mission at Alpha Machining is to provide clients with world class customer service by taking on all projects such as full in-house service CAD/CAD design & products development, manufacturing parts, tools, medical components, electronic microparts, designing and re-designing fixtures, tools, prototypes and many different kinds of other projects. In addition, we offer custom designing, on-site consulting and new technology development. Our research and design team always welcome a challenge to help bring your patent to life by providing you with consultative solutions.
- Alpha Machining has the resources to partner with professionals in the machining industry. We have an outstanding reputation to consult and provide solutions for almost any industrial needs. No project is impossible for us to manage.
- Our research and development team thrives on challenging projects that force them to think of solutions for customized designs. Many of our clients have projects that are unique and one of a kind. At times it is required to create a brand new technology along with development and a line of target machining.
- **NO PROJECT IS EVER IMPOSSIBLE!**

We offer

- **General & Precision CNC Machining**
- **Full CAD/CAM Design & Products Development**
- **Tooling Design & Development for the Plastic & Metal Forming Industries**
- **Full CAD Modeling & Surface Generation**
- **Up to 5 Axis Programming**
- Parts & Components Manufacturing
- Solid Shotgun Barrel-Firearm Barrel & Components
- Gas Turbine Blades Manufacturing
- Jet Engine - Aircraft Parts & Components
- Conduction Heat Frames Manufacturing
- Spring Nuts & Cage Nuts Manufacturing
- Complete Engineering & Design Service
- Patent Development
- Fixtures
- Prototypes
- Medical Components
- Electronic Microparts
- Short & Long Run Productions
- Tolerances as required or closer!

- and more...

We work with files as:

- SOLIDWORKS
- .DWG
- .DXF
- .IGS
- PDF & more...

CAD:

- CATIA
- SOLIDEDGE
- CADKEY
- TOPSOLID
- I-IDEAS
- Pro Engineer
- AUTO CAD
- POWERSHAPE/POWERMILL
- MORE...

CAM:

- MASTERCAM
- SURFCAM

→ **ISO 9001:2000 & AS9100 CERTIFIED!**

Equipment List

Fully Equipped Machine Shop with CNC and Manual Machines.

- **Starrag Heckert CWK-630-Dynamic**

- ➔ High Technology-High Speed, with rotaric table 5 Axis Horizontal Machine Center, Designed for: general machining, 31" deep drilling, gun drilling and boring capability in one set-up

- **Starrag Heckert CWK-400-Dynamic**

- ➔ High Technology-High Feed- High Speed, 4 Axis Horizontal Machine Center, Designed for: general machining

- **Starrag Heckert SX-051**

- ➔ 5 Axis 5 Face Horizontal Machining Center
- ➔ Designed for: all 5 axis parts, blade & impeller manufacturing
- ➔ Has CAM software for blade operation

- **Chevalier VMC Falcon-2040**

- ➔ 3-4 Axis Milling Machine

- **Chevalier FCL-2480D**

- ➔ 2 Axis CNC & Manual Lathe Machine

- **Acra Knee Mill**

- ➔ 3 Axis Milling Machine

More technology on the way:

- ➔ Starrag- ZT-1000 5 Axis Milling & Turning Machining Center

- ➔ Mori Seki MT2500SZ 8 Axis Turn-Mill Machine

Alpha Machining has the resources to partner with professionals in the machining industry. Therefore we are able to take on any size of projects with confidence. In addition, we specialize in target machining for certain projects that require individual and unique technology development.

Reference List

- Alpha Sensors, Inc.
- AutoSplice, Inc.
- Defense Supply Center Philadelphia
- Defense Supply Center Columbus
- Dial Supply, Inc.
- FNGB Corporation
- Goodrich, Humphrey Operations
- John Wilkes Gunmakers, Ltd.
- Joseph Brazier Ltd.
- Hemotherapies, Inc.
- Lucky Line Products, Inc.
- Mitchell International, Inc.
- Oncosis, Inc.
- Polymerex Medical Corp.
- Q Microwave, Inc.
- Remec, Inc.
- Reva Medical, Inc.
- Synergy Microsystems, Inc.
- Tacom Warren (Defense Center)
- Tensys Medical, Inc.

- *...more upon request....*