



APPLIED ENGINEERING, INC.





APPLIED ENGINEERING, INC.

Founded in 1965, Applied Engineering specializes in the precision machining of aluminum components for a wide range of applications in several different industries. These industries including Communications (both military and commercial), Aerospace, Defense as well as Medical.

At our 91,000 sq. ft. facility we are a full service, one-stop supplier of precision machined aluminum components and assemblies, offering painting, silkscreen, chemfilm, welding, assembly, and special packaging to meet your needs. Plating and heat treat are sourced outside.

We maintain an experienced and well trained workforce of 170 plus employees committed to continually improving the quality of your products. We are ISO 9001 and AS9100 certified as well as NADCAP Chemical Process accredited for both Paint and Chromate Conversion processes.

Our technology and innovation places us years ahead of the competition. High speed machines coupled to multi-pallet rail systems has created the lights-out, unattended approach to precision, low cost, high quality operations.

Our robotic machining and de-burr cells have automated labor intensive operations, achieving complete process control, while reducing costs and shortening cycle time.

Combining a skilled work force with state of the art equipment, and practicing Lean manufacturing principles has positioned Applied Engineering to support you in meeting the procurement challenges of today and into the future.



APPLIED ENGINEERING, INC.

Core Competencies

Applied Engineering is a long-term established manufacture of precision milled aluminum components for numerous aircraft and military applications. Typical components are heat sinks, chassis, flat panel bezels, radar components, missile components, emergency power components, and many more.

Our core competency is the high speed machining and processing of precision components and assemblies. Our core equipment base consists of 34 horizontal machining centers, with 32 machines integrated into flexible manufacturing, multi-pallet rail systems. These multi-pallet rail systems maintains your components as set-up at all times, allowing us to run 1 or 1000 pieces with no repeat set-up required. These rail systems utilize 350 four sided pallets, creating extensive part number capacity and the ability to run lights out, un-attended operations.

These machining centers can process parts as large as 35"x35"x35" and as small as 1/4" cubed.

We are able to directly compete against low to medium complex casting by machining the item as a hog-out (made from a solid block of aluminum). We have helped our customers improve quality, delivery, cost, lead-times, and reduce part weight with the hog-out process.

These same processes allows us to be very competitive against traditional manufacturing companies when the item is not a casting.



APPLIED ENGINEERING, INC.

- FMS (Flexible Machining System)
 - Lights out capabilities
 - Down load orders directly to FMS cell
 - No recurring setup costs





APPLIED ENGINEERING, INC.

- Seven FMS Lines ready to serve you





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- Plus a Matsuura Cublex-63
 - 18-pallet changer carousel
 - 5-Axis CNC Processing
 - Capable of milling and turning





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- Automated de-burring cells
 - Reduced hand de-burring time by 60%
 - Consistent parts

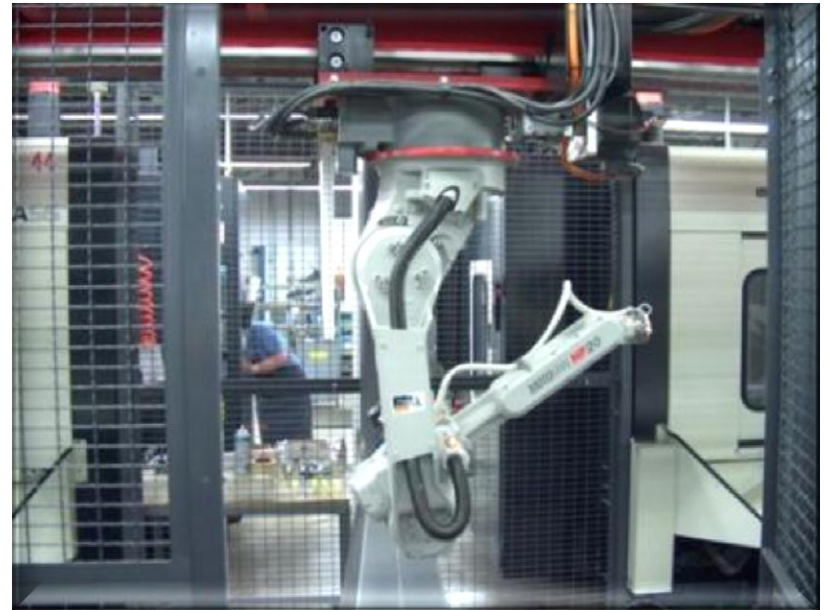




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•Robotic Rail System

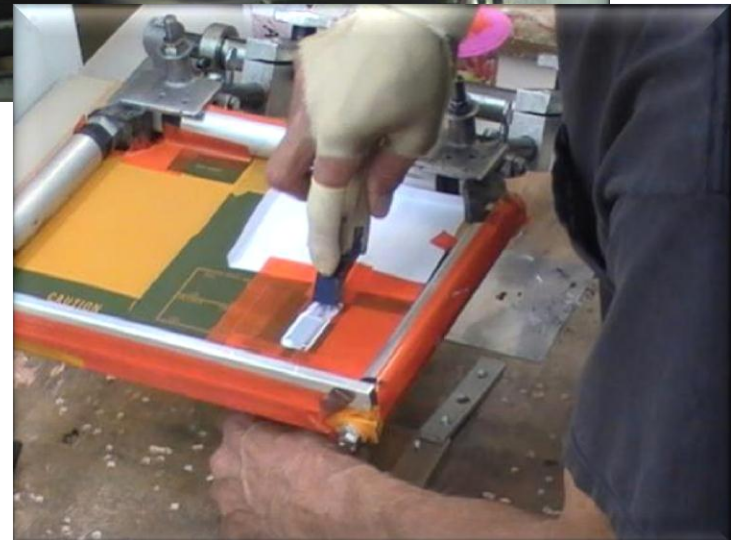
- 60 foot long rail deals parts to 4 Makino A55s
- Eight tables can hold two orders each
- 16 different programs can run without operator involvement





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Chemfilm, Painting, Silkscreen, and Assembly capabilities





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Customers



Rockwell

Celestica

Honeywell

General Dynamics

L-3 (ACSS)

BAE

Hamilton Sundstrand

Chemring Energetics





APPLIED ENGINEERING, INC.

- ISO/AS Certification
 - ISO9001:2008 Certified
 - AS9100:2004, Rev B Certified
 - NADCAP Chemical Processing accredited for Chromate Conversion and Paint Processes
- LEAN
 - Plant reorganization to improve process flow
 - Elimination of wasted steps in processes
 - Incorporation of team concepts to improve flow
 - 5S
 - RPI (Radical Process Improvement)
- OSHA Sharp Program Certification Award
 - Safe working environment



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Quality Assurance

Common operating system software utilized on all CMM's - Allowing multiple point inspections.



<Merlin



Umpire>



<MSS

Numerex>





APPLIED ENGINEERING, INC.

Program Management

- Long term contracts
- Assisting in prototype and design for our customers
- Working with sub-tier suppliers in partnership to improve performance and customer satisfaction
 - Multi-year Agreements
 - Lean processing flow downs

System Capabilities

- Digital file processing
- EDI transfer
- Forecast downloads



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