

Welcome to C & A Machine Company, Inc.

-the Quality Screw Machine Resource

At C & A Machine Co., Inc. we believe in solving problems for customers by tackling the most difficult machining challenges, then adding value by delivering more than just parts in a box. These are some of the ways that C & A "goes the extra mile."



ENGINEERING SERVICES

-Our staff will plan the most cost-effective metalworking techniques for your project. With both screw machines and CNC equipment in-house, we can use the right machines in the best workflow, minimizing operations to cut turnaround time and cost.

QUALITY, QUALITY, QUALITY

-A banner in our plant emphasizes, "Think Quality. The next inspector is our customer." We take that advice to heart in a Quality Control Manual that pledges we will "consistently manufacture a product of high quality... that will always meet or exceed the requirement of the customer."

HIGHLY CAPABLE MACHINES

-All C & A screw machines have been fine-tuned to hold the tightest possible tolerances. Operators are responsible for only two machines each and are constantly checking machined parts for accuracy and consistency. For even closer precision, we can use CNC machining or grind parts down to ± 0.0002 " dimensional accuracy.

COMPONENT ASSEMBLY

-C & A Machine Company can combine parts we make with others we purchase, assembling them into finished subassemblies following your engineering specs. You'll get complete, tested modules ready for use, saving you inspection and assembly time.

KANBAN, JIT DELIVERIES

-C & A has the resources to maintain finished goods inventories for customers. We can run your entire order at once for maximum economy, then ship small quantities according to your release schedule. Shipments can occur at certain intervals or be triggered by receipt of your empty containers.

CERTIFIED VENDOR STATUS

-To help customers reduce their in-process inventories, C & A Machine has become a Certified Vendor in many instances. Our shipments go directly from "dock to stock" without the delay or expense of incoming inspections.

LONG TERM RELATIONSHIPS

-At C & A Machine, long term relationships with customers provide "win/win" benefits for both parties. Some of our current customers have been here since we started in the 1980's, which fosters understanding and smooth cooperation.

HANDS-ON MANAGEMENT

-Quality results are not the responsibility of machine operators alone. Our foremen, managers and owners are all involved, every day, in every aspect of production. Their hands, eyes and minds are part of our dedicated team approach to quality.

C & A specializes in machining difficult materials and configurations, such as these 52100 bearing rings with precision ball races. Other tough metals we machine include 4140, 300 and 400 series stainless steels and cobalt-based alloys.



STATISTICAL PROCESS CONTROL

-Directed by the Quality Control Manager, our SPC computer converts data from the production floor into Pareto charts, distributions, X bar and R charts, CpK values and other statistical tools for process control and quality assurance. Our process control plans and SPC documents provide traceability for projects whenever needed.

CLEAN PRODUCTION ENVIRONMENT

-We can't imagine turning out quality products without a quality working environment. Customers describe our facility as the cleanest of its type they have ever seen, right down to the air that is constantly scrubbed of oil mist by high-efficiency systems.

EXTENDED FAMILY ATTITUDE

-Besides the two family generations involved in company management, all C & A personnel share our goals for the future. They realize that quality got us where we are and provides the best route to continued success. In this supportive work environment, we recognize the individual and allow for maximum personal contribution.

PRODUCTION CAPABILITIES

- Screw machine and CNC machining
- Bar and tube stock from 1/4" to 2-3/8" dia.
- Production quantities from hundreds to millions
- Secondary operations and parts assembly
- Prototyping services

AVAILABLE SECONDARIES

- Grinding
- Form grinding
- Drilling
- Heat treating
- Deburring
- Component assembly
- Roll threading
- Milling
- Plating, anodizing
- Tumbling
- Degreasing
- Honing

MAJOR INDUSTRIES SERVED

- Firearms
- Bearings
- Automotive
- Electrical
- Valves

PRODUCTION EQUIPMENT

- New Britain Gridley 6-spindle screw machines
- CNC machining centers
- Chuckers
- Millers
- Drill presses
- Grinders
- Belt sanders
- Honing machines

TYPICAL METALS

- Carbon steels
- Stainless Steel
- Hastelloy®
- Monel®
- Inconel®
- Nitralloys
- Aluminum
- Brass
- Ledloy®
- 52100
- Aircraft alloys
- 4140

QUALITY CONTROL EQUIPMENT

- SPC computer
- Surface analyzer (1 Ra capability)
- Stereo microscope for surface inspection
- Precision outer diameter gage
- Height stand for length and step gaging
- Rockwell hardness tester
- Precision gage blocks



The House That Quality Built



The spacious 16,000 sq.ft. facility of C & A Machine Co., Inc. represents our fourth expansion or relocation in just 10 years. Started as a part-time business rebuilding screw machines, C & A was incorporated in 1985. Since then, the company has grown from 1800 sq.ft. with three screw machines and four employees into a complete, fully staffed production center specializing in high-quality screw machine, CNC and secondary services.

***For a prompt and reasonable quote,
call or fax your prints today.***

C & A MACHINE CO., INC.

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