

Since our founding in 1976, we have built our business on a simple philosophy: "we can do that". Our approach is to find the best way to process nearly any part. For us that means handling unusual parts and specifications. It means designing effective methods that maximize productivity, yet never sacrifice quality. It means handling small prototype runs or large scale production. And it means keeping an eye on schedules and budgets. Send us your challenge.

We can do that.

Our Track Record of Achievement and Results

A major auto parts manufacturer

...enjoyed enormous savings when we innovated a new way of processing a critical part. We boosted volume from just over 1100 parts per hour to 1750, a productivity boost of almost 60%.

The Jaws of Life prototype

...was a project to which we made early contributions. As the product was being adapted for military and fire/rescue use, we were brought in to advise. We treated a number of prototypes, then took our work to the junk yard and literally began cutting up cars. Several prototypes and cut up cars later we had a winner, setting the process standard still in use today.

A major heavy equipment manufacturer

...brought us on board to advise on production of a critical series of pins. Our process design and specifications created bolts with a lifespan 2/3rds greater than previous designs.

A leading American Racing Team at LeMans

...broke a major component during a practice lap. We were able to rush-repair the critical part and hand-carried it to the flight that sped it back to the team in France just in time for the starting flag. "Our" team was able to finish the race and to place in the money.

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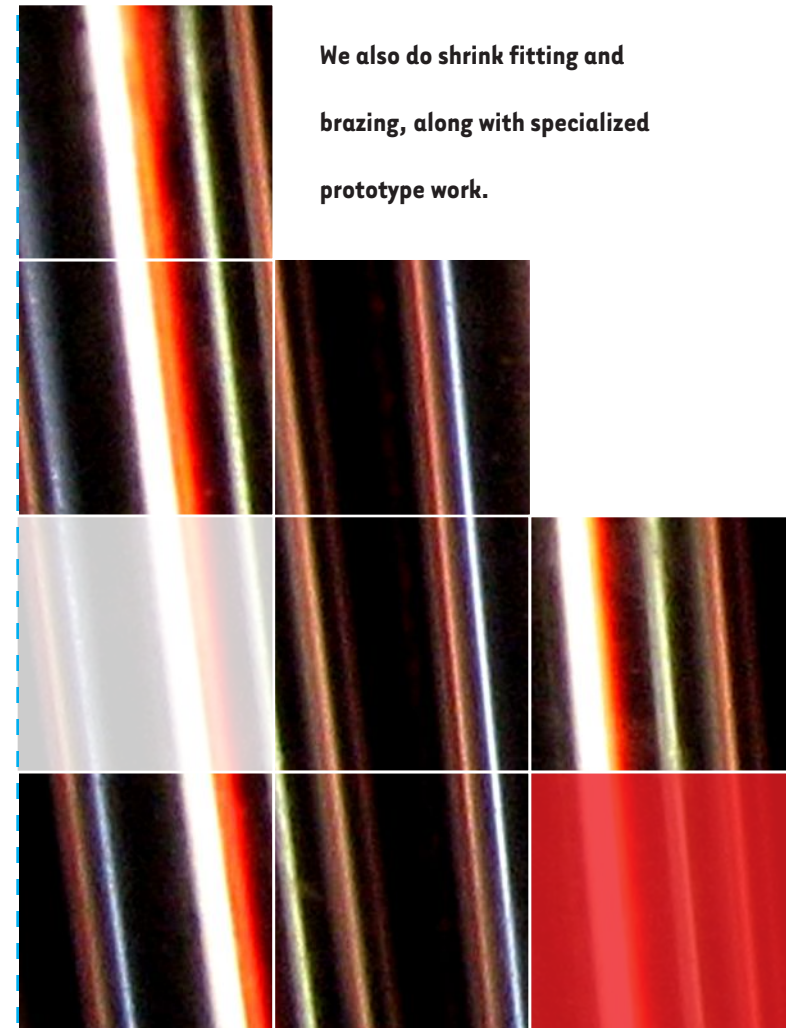
Chicago Induction



Chicago Induction

Chicago Induction specializes in induction heating metal through a variety of advanced processes. We can make metal surfaces harder and stronger or softer and more flexible.

We also do shrink fitting and brazing, along with specialized prototype work.



Commitment to Service

We are deeply committed to the concept of service. Delivering quality on time at a fair price is our starting point. We go the extra mile in working with our clients to make sure we mesh with accounting, manufacturing and tracking systems perfectly. We are equally comfortable with **LIFO, FIFO, JIT and Kanban**.

In 2000 we became

ISO 9001-2000 certified

in recognition to our

deep and ongoing

commitment to quality

and customer satisfaction.

Products and Services

Our advanced equipment accommodates a variety of parts and processes. We can handle almost any kind of art to the most exacting and complex of specifications

Induction hardening Hardening the surface of steel by application of heat generated by a magnetic field followed by immediate quenching.

Induction annealing Softening steel by heating and slow cooling that improves machine-ability and improves cold working properties.

Shrink fitting Using heat to fit one piece of metal into or onto another.

Tempering heating and cooling ferrous metals to decrease hardness and increase toughness to produce a desired combination of mechanical properties.

Induction brazing Connecting metal parts together by using heat

Flame hardening Hardening steel surfaces by heating with a high temperature flame followed by quenching.

Prototype work We work with customers to develop processes for parts of all sizes and shapes, specializing in accommodating complex or difficult specifications. We can help ramp up production to small batches and to high volume production runs.

We build and design our own tooling so that we can process almost any shape and size part and meet unusual specifications. We have over 5000 existing custom coils and regularly create specialized configurations to accommodate the non-standard, the uncommon, and the unconventional. We consider the development of methods and materials to be intrinsic to every job, so we do not charge extra for set-up or fixtures.

We make extensive use of computerization to give us the ability to control processes to an exacting standard. Our equipment can accommodate prototyping, small lots and large-scale production orders.



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