

The History

Dial Tool Industries began its tradition of excellence in 1955. Our founder, Gregory “Leo” Pagliuzza, had a goal: to provide complete manufacturing services and efficient, cost-effective tool and die services. He achieved that goal, and today, half a century later, we continue to uphold it.

Dial Tool is a family-owned business. Today, it flourishes under the leadership of Leo’s sons Steve and Mario. Leo started the company in 900 square feet of space. Today, we have established Dial Tool as a premier metal stamper and manufacturer, and we continue to thrive in our 40,000 square foot facility in Addison, Illinois.

What establishes Dial Tool as a leader in the industry is our belief in building long-term relationships with our customers. To that end, we strive to exceed and surpass our customers’ expectations on every job. We’re proud to be a full-service premier metal manufacturer.

We work with our customers from concept to completion. Our engineers can help develop ideas that work. We make production cost-effective for our customers. And we’re dedicated to deadlines—that is, you tell us when you need it, and we’ll see that you have it. And our quality assurance team makes sure that the parts meet specs, and work for you.

With our state-of-the-art technology and dedication to quality—both quality of the product and quality of customer service—Dial Tool Industries is the first choice in premier metal manufacturers.

Case Studies

Here's a look at how we work...

The customer, an electronics company, needed 500 prototypes of four different drawn shields within a three-week period. Tooling needed to be built and developed. The parts needed to be fabricated, plated and tape & reel packaged. We were able to exceed their requirement by supplying the parts three days ahead of schedule. They were then able to do their pilot build on time to satisfy their customer.

An electronics customer came to us to help them reduce their tape & reel packaging costs. While our competitors were doing the job manually, we developed a system to package a part automatically into tape & reel packaging. Our system drastically reduced cost...and it increased productivity. In turn, we received 100 percent of the customer's business.

A customer in the communications industry got us involved in the design stage of an eight-way switch for their computers. During the brainstorming process, we helped the customer reduce cost, increase manufacturability and improve quality by building in safeguards during the automated assembly. Our ability to assist in the development of parts for an entire project is unsurpassed in the industry.

Customers and Industries Served

We consider ourselves an innovative, versatile manufacturer with the capabilities to create solutions for customers in a wide scope of industries. While we are not limited to working only in select industries, we have a strong background in working with customers in the following industries:

- electronics
- automotive
- insert molding
- telecommunications
- aerospace
- medical
- electrical
- appliances
- semi-conductor

We believe that our customer base speaks for our quality and service. Our customers tend to be “regulars,” that is, they know and trust us, and come to us often. In fact, we’ve worked with businesses for more than 20 years on thousands of projects. Our repeat customers include some of the leaders of corporate America:

- Motorola, Inc.
- Cooper-Bussman
- Illinois Tool Works
- Methode Electronics
- Grayhill, Inc.
- Eaton Corporation
- Molex
- Robinson Nugent
- Lucas Body Systems

Capabilities

Prototypes. From five to 50,000 pieces, we can create prototypes that work for our customers. We are capable of design and engineering, wire-burned blanks, photo-etched blanks, laser-cut blanks, tooling, forming, assemblies, plating and special packaging. We are also capable of in-house CAD designing and CAM manufacturing. This technology can allow for delivery in as little as a week.

Design and Engineering. We have an in-house design and engineering team who use Cadkey and AutoCad. Our engineering staff has more than 80 years' experience, and will work with you to develop the most economical and functional design. Participation in customers' supplier involvement programs such as Motorola's Early Supplier Involvement (ESI) has allowed us to put our expertise to good use. All designs are created with CAD. Every tool is designed and built to our tooling standards, which ensure Class-A tooling for long life and superior quality.

Tooling. Dial Tool Industries has more than 20 presses ranging from 10-to 100-ton capacity. Higher volume production is done on our new Bruderer presses with speeds up to 1,500 strokes per minute. The yearly capacity is more than 800,000,000 strokes, but this is only a function of the number of presses. We purchase presses to meet the customer's needs. Ninety percent of the material we manufacture is copper-based alloys, from 260 brass to 190HM BeCu. We also fabricate parts with steel and through the years have worked with kapton, mylar and plastic. Production cycle times are measured monthly-from raw materials to finished goods.

Value-Added Operation. We offer customers an array of value-added options. We are capable of low-and high-volume tapping, assembly, special packaging (tray or tape & reel), riveting and brazing. We can build special equipment to meet your needs. Our in-house design staff has many years of experience building programmable machines designed for specific requirements.

Quality Department. Our quality department is equipped with state-of-the-art technology. We have a video-system Coordinate Measuring Machine (CMM) and other video equipment. All video stations download the data to inspection programs, which give us real-time data during production. Our highly qualified staff is trained in SPC, and these techniques are applied to all manufacturing processes at Dial Tool Industries.

Employees. One of our greatest assets is our dedicated employees. As with our customers, the employees stay and grow with Dial Tool. The philosophy and integrity of Dial Tool Industries is understood and practiced by all of us.



CERTIFICATE

DQS GmbH
Deutsche Gesellschaft zur Zertifizierung von Managementsystemen

hereby certifies that the company

Dial Tool Industries, Inc.
DTI Molding Technologies, Inc.

201 S. Church St.
Addison, IL 60101
USA

for the scope

A Manufacturer in metal stamping, insert molding, assembly, and versatile services supporting industries in Telecommunications, Electronics, Automotive, Aerospace, Semiconductor, Medical and Appliances

has implemented and maintains a

Quality Management System.

An audit, conducted in accordance with the "Rules for certification bodies to ISO/TS 16949:2002 Second Edition" and documented in a report, has verified that this quality management system fulfills the requirements of the following ISO Technical Specification:

ISO/TS 16949:2002

Second Edition March 2002
(Without Product Design)

Certification audit:	2005-11-2
Certification decision:	2005-12-09
This certificate is valid until	2008-12-08
Certificate Registration No.:	248235 TS2/0014822
Issued in Frankfurt am Main, Germany	2005-12-09

Ass. iur. M. Drechsel S. Heinloth
Managing Directors of DQS GmbH

Dial Tool News

Friday, May 27th, 2005

Dial Tool Industries, Inc. celebrates 50 years

On Friday, May 27, 2005 Dial Tool Industries will be celebrating its 50th anniversary.

Fifty years ago Leo Pagliuzza and Fred Bianchi worked together at Soreng Manufacturing before they started Dial Tool & Die Co. in 1955.



Leo

Fred

Our founders Gregory "Leo" Pagliuzza and Fred Bianchi had a goal: to provide complete quality manufacturing services and efficient, cost-effective tool and die services to their customers. Dial Tool & Die was a tool and die shop, working out of the back of a woman's clothing store on the outskirts of Chicago with only 450 square feet of space.

In 1956 Dial Tool & Die moved to a custom building in Franklin Park with 3,000 sq. ft. In 1960 they added punch presses and began manufacturing, also increased size of building to 4,500 sq. ft. In 1966 Dial Tool moved into another custom build building still located in Franklin Park with 10,000 sq. ft.

In 1981 Dial Tool changed its name to Dial Tool & Manufacturing Corp. because it was becoming a more full service manufacturing company.

In 1992 Dial Tool broke ground for the new 23,000-sq. ft. Addison facility and changed its name to Dial Tool Industries, Inc. In 1996 Dial Tool expanded its building to 40,000 sq. ft.

In 1995 DTI added an Automation division, today that service is being offered to our customers.

Today DTI flourishes under the leadership of Leo's sons Steve and Mario Pagliuzza, his daughter Annette Michalak and nephew Phil Venticinque.



In 2001 Dial Tool Industries opened DTI Molding Technologies this allowed DTI to become a more full service supplier.



Also in 2001 DTI started a joint venture in China to service and supply our customers around the world.

Dial Tool Industries, Inc. is a premier metal stamper, molder and manufacturer, and continues to thrive in its 40,000 square foot facility in Addison., Illinois. ❖

DTI Molding Technologies, Inc.

One Corporate Center, 135B South Church Street, Addison IL 60101-3747

Phone: 630/543-8865 Fax: 630/543-8869

DTI Molding Technologies, Inc. was formed in 2001 to offer our customers the ease of "one stop shopping". Insert and straight injection molding are performed to the same ISO/TS standards as Dial Tool's stamping division.



DTI Molding is an ISO/TS 16949 certified custom injection molding company, molding thermoplastics and thermoplastic elastomers, including glass-filled and engineering grade materials. Over 30 years of molding, building, and manufacturing experience.

DTI Molding is capable in doing both short and long run applications. We specialize in precision molded parts with tight tolerances and unusual configurations.



We are capable of molding products with extremely tight tolerances and dimensions, and can match any of your color requirements. Plastic materials used are mostly engineering grade resins and elastomers – including plastics for metal replacements and high heat applications.

DTI Mold also has an association with China established to support our Customers requiring Asian manufacturing and to offer our U.S. Customer, Asian tooling cost. ♦

We mold most thermoplastic materials such as: polyethylene, polypropylene, polystyrene, ABS, acetyl, nylons, magnetics, and most engineering grade resins and elastomers



We have state of the art all new electric molding presses. Electric machines have lower operating costs, better process control and faster changeover time. Our presses range from 35 ton to 300 ton a (35-ton rotary), (75 and 85-ton vertical), and (55, 200 and 300 ton horizontals).

We are a full service molder with multi cavity high-speed precision plastic parts and automatic reel to reel insert molding. We also do assembly of the components we mold for our customers.



All our molding machines are computer or micro process controlled to produce a consistent & high quality of components. Maintenance of molds, tooling and equipment is a high priority, in order to be recognized as an optimum/world class organization. ♦

DIAL TOOL INDUSTRIES, INC.

One Corporate Center, 201 South Church Street, Addison IL 60101-3747

Phone: 630/543-3600 Fax: 630/543-3630

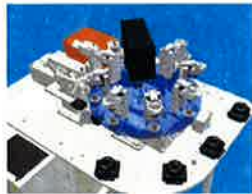
How does DTI help me?

Our automation group will supply your company with leading edge technology. Our solutions include system integration, machine design, and turn key automated packaging and assembly machines.

We offer integration of high tech solutions such as vision systems, photo optic sensors, servos and other new technologies to maximize your companies profitability.

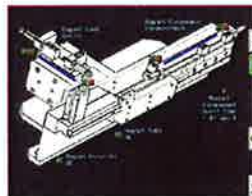
What we can do for you

- Integration
- Turn key systems
- Process analysis
- Update existing systems



Technologies available

- PLC's
- Multi Axis Motor Control
- Servo Motors
- Metal stamping
- Point to Point Soldering
- Resistance welding
- Pneumatics
- Vacuum Generators
- Vision Systems
- Vibratory Feeding



Examples of Material handling techniques

- Pick and place
- Walking beams
- Grippers
- Rotary indexers
- Tape and reel packaging



A case study in savings

The Problem:

A manufacturer produces an assembly consisting of a stamped cover. The manual process required one operator to weld the piece, and another to inspect and pack the cover. The Process was too slow to meet customer demand, as a result labor costs were hurting the profitability of the product.

The Solution:

Our automation engineers at DTI created a custom solution that precision welded the pieces together. The solution also employed a vision system to verify that the parts were properly aligned after welding, ensuring superior quality.

The Results:

The automated process performed at more than twice the rate, resulting in cost savings of thousands of dollars. With the new quality checks in place, quality related issues dropped significantly resulting in additional savings to the customer.

We're ready to help

Are you ready to begin reaping the benefits of improved productivity and lower costs? If so contact:

Sean Fraser at (630) 543-3600 ext. 317 for an in-depth consultation about how DTI Automation can help your company succeed.



Dial Tool Industries

was established in a 900 square foot building in 1955 by Gregory "Leo" Pagliuzza, who had a goal: to provide complete manufacturing services and efficient, cost-effective tool and die services to its customers. He has long since achieved that goal, and today, half a century later, we continue to uphold it.

Today, under the leadership of Leo's sons Steve and Mario, Dial Tool has established itself as a premier metal stamper and manufacturer. We continue to thrive in our permanent home—a 40,000 square foot facility in Addison, Illinois.

What establishes Dial Tool as a leader in the industry is our belief in building long-term relationships with our customers. To that end, we strive to exceed and surpass our customers' expectations. We work with customers from concept to completion by helping them develop cost-effective ideas that work.

With our state-of-the-art technology and dedication to quality—both quality of the product and quality of customer service—Dial Tool Industries is the first choice in premier metal manufacturers.

Prototypes

- design and engineering, from five to 50,000 pieces
- wire-burned, photo-etched and laser-cut blanks
- tooling
- forming
- assemblies
- plating
- special packaging

Design and Engineering

- engineering staff with more than 60 years' experience
- uses Cadkey and AutoCad
- participation in customer-sponsored supplier involvement programs

Tooling

- all tools built with ASP-23 metal, ball bearing die sets, inserts for cutting members and precision-guided spring strippers
- CAM-equipped machines
- Agie Wire EDM machines
- 8–12 week typical cycle time

Production

- more than 20 presses ranging from 10- to 100-ton capacity.
- Bruderer presses for higher-volume production
- presses are purchased to meet customer needs
- copper-based alloys, from 260 brass to 190 HM BeCu
- also work with steel and have worked in kapton, mylar and plastic
- production cycle times measured monthly, less than a four-day average

Value-Added Operation

- low- and high-volume tapping
- assembly
- special packaging
- riveting
- brazing
- equipment built to meet customer needs

Quality Department

- video-system Coordinate Measuring Machine (CMM)
- highly-qualified staff is trained in SPC
- SPC techniques are applied to all Dial Tool manufacturing processes
- in-line vision inspection system

For more than 20 years, we at Dial Tool have worked on thousands of projects with many major corporations in a variety of industries. Our technological capabilities ensure that we can create solutions for customers in any industry. Some of our long-term clients and industries include:

Corporations

Motorola, Inc.
Cooper-Bussman
Illinois Tool Works
Grayhill, Inc.
Eaton Corporation
Molex
Robinson Nugent
Lucas Body Systems
Methode Electronics

Industries

electronics
automotive
insert molding
telecommunications
aerospace
medical
electrical
appliances
semi-conductor



Dial Tool Industries, Inc.

One Corporate Center
201 S. Church Street
Addison, Illinois 60101-3747
Ph 630-543-3600
Fax 630-543-3630
Web Site <http://www.dialtool.com>


premier manufacturers
Dial Tool Industries, Inc.
One Corporate Center
201 S. Church Street
Addison, Illinois 60101-3747

