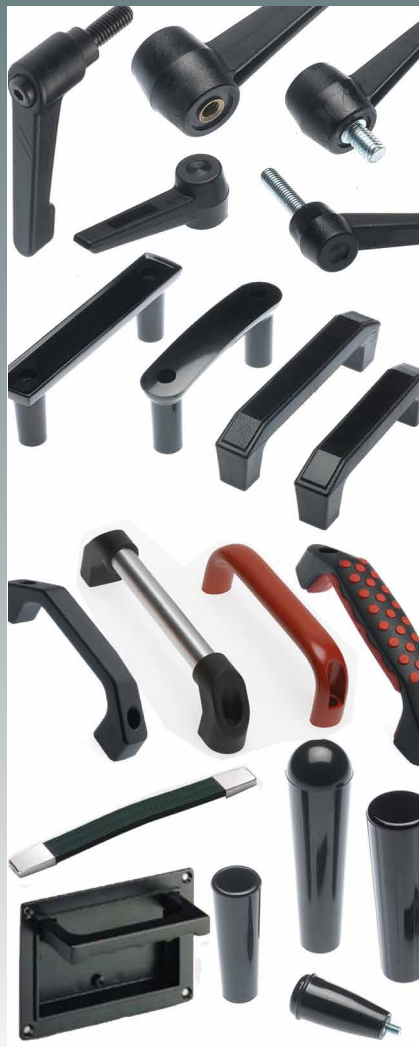


Designers & Manufacturers of Insert-Molded Knobs, Handles, Cases & Custom Components Since 1933



KNOBS



HANDLES



CASES



CUSTOM

350 KEHOE BLVD, CAROL STREAM, IL 60188 (PH) 800-554-9208
WWW.DAVIESMOLDING.COM

80

YEARS OF QUALITY
MADE IN THE USA

About Davies Molding



In 1933, the Harry Davies Molding Company began with only seven molding presses and three punch presses, located in downtown Chicago. The small, single-room company was started during a time when the economy was depressed and work was scarce. Yet with hard work and determination, Davies Molding soon established strong

roots as a quality plastic molder. During the 1940's, Davies Molding became a supplier of phenolic plastic components for the World War II war effort. Afterwards, it expanded it's capabilities and has thrived ever since.

In the fall of 1991, Davies Molding moved to its current location in Carol Stream, Illinois to further enable its expansion. The 99,000 square foot factory houses 72 presses ranging from 25 to 500 tons of clamp force. Molding capabilities include injection, compression, transfer and two-shot co-injection.

Insert Molding Expertise

Davies specializes in loading inserts (threaded fasteners) directly into components as plastic solidifies around the mounting. This process maximizes torque strength for demanding requirements. We stock thousands of inserts to minimize lead times, including both screw-machined parts and cold-headed studs.

THREADED INSERT

Standard Material:
Brass, steel, or zinc-plated



PROJECTING STUD

Standard Material: Steel,
stainless steel, or zinc-plated



THREADED INSERT THRU-HOLE

Standard Material:
Brass, steel, or zinc-plated



HEX NUT

(Standard or Nylon Locking Ring)
Standard Material: Steel, or zinc-plated



BUSHING

Standard Material:
Brass, steel, or zinc-plated



SET SCREW (Slotted or Socket)

Standard Material: Steel, zinc-plated,
or black oxide finish



Specials & Value-Added Services

At Davies, we know that not every application is well suited for a standard part. That's why we offer "specials" where a different insert may be required or perhaps a secondary operation added. Most of our parts can be customized to meet your specific needs and requirements. Parts can be modified by color, finish, material, size, insert type, and more.

Davies offers the following secondary operations:

- Drilling
- Laser Engraving
- Machining
- Turning
- Ultrasonic Welding
- Buff and Polish
- Tapping
- Sand Blasting
- Hot Stamping
- Custom Color Matching
- Pad Printing
- Packaging
- Branding
- Paint Fill
- Decorative Pointers
- 3-D CAD Imaging
- Chrome Plating
- Silk Screen,Plating
- Bagging
- Assembly
- Kitting
- Vacuum Metalizing
- Paint Coatings
- Decorative Inlays



STANDARD KNOBS, HANDLES, CASES

Davies owns an extensive range of tools and molds that have been designed to give our customers the widest selection of styles and mountings available. With over 600 products and 9000 variations in size, shape, color and molded-in metal threaded inserts, Davies can supply top quality parts engineered to meet virtually any customer requirement. Our parts are produced utilizing both compression and injection molding equipment using the highest quality thermoset and thermoplastic materials. Families of parts include clamping, instrument, pointer, control, ball, lever, tapered, two point, soft touch, and two-shot.



We also have a wide variety of multipurpose handles available in various finishes, materials and shapes to accommodate virtually any grip requirements. No matter the need for a plastic, nickel, stainless, aluminum or chrome handle, you will find it at Davies.



Davies Molding offers a selection of instrument cases and covers for the electrical, hardware and mechanical industries. These enclosures, as well as most Davies' products, are available in phenolic materials, incorporating high heat, mark and scratch resistance. The cases can also be ordered in an impact resistant ABS material. Please download our catalog today at www.daviesmolding.com or request one by phone today.





CUSTOM MOLDING

For 80 years Davies' has been molding custom plastic components for all industries, including lighting, lawn & garden, industrial machinery, medical, oil & gas, and many more. Our compression, injection, and transfer molding capabilities provide tremendous flexibility in part design and production.

Concept

Every great idea, no matter how simple or complex, has to start somewhere. Whether you are looking for cost savings on an existing part, or have a brand new product idea, our engineers can make it happen. At Davies Molding, we are more than just molders - we are solution providers for all of your plastic component needs.

Design

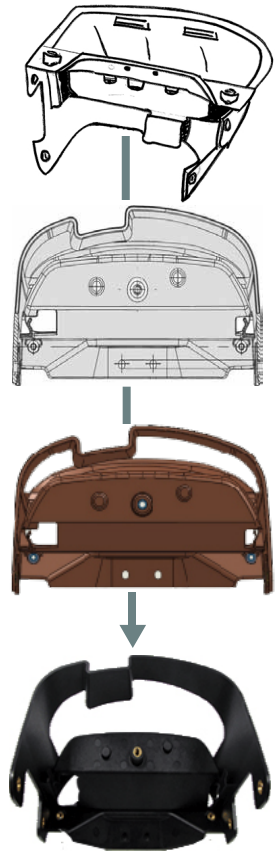
Based on your input, our engineering staff will help you create the exact look, feel, and dimensions of your ideal plastic part. Utilizing the latest CAD and 3-D modeling software, we can easily make changes to be sure the part will meet your specifications. Our engineers will lead the design into production by ensuring that high quality molds and tools are created to produce the best custom molded part for your needs.

Prototype

Your concept will come to "life" as it is transformed into a 3-D image. By specifying colors, materials, drilling or other operations, you can digitally view the entire part from any perspective. We can provide rapid prototypes so that real examples of parts can be evaluated before cutting tool steel.

Production

At Davies, we understand that quality and on-time delivery are essential to your business. We'll provide you with a first class product that will stay within your budget. After your product is finished, the service doesn't stop there. We can ensure that parts can be ordered at any time, at any quantity you choose. We will work with you to ensure that your product is made with the quality and care that is needed for continued success.



CUSTOM PRODUCT PORTFOLIO

We've made thousands of parts in all different shapes and sizes - no project is too big or too small for us to handle. Our knowledgeable customer service department, along with our extensive engineering capabilities, can help you create the perfect plastic part for any application. Give us a call to find out how we can help you create your custom plastic molded part.

Thermoplastic Molding

- Automotive Shock Bolt Covers as a fully packaged product
- Bezel part used on the control screen of a commercial boilers
- Camera Mount for surveillance camera and video equipment
- Oven Handle for high end ovens used in hospitals & nursing homes



Thermoset Molding

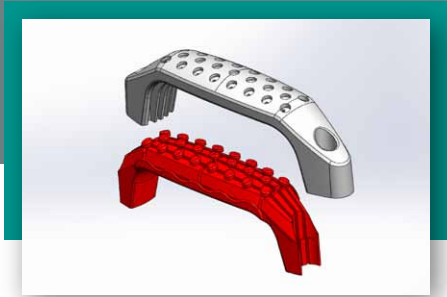
- Ash Cup used in large truck line of products
- Drip Trays used by fast food companies as grease collectors
- Terminal Strips used in large electrical boxes, which are used for power sources in nuclear power plants
- Frac and Diverter Balls used in Hydraulic Fracing



Expertise in Tooling & Engineering

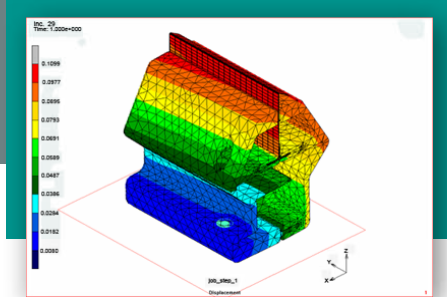
3-D & CAD Modeling

We have highly qualified engineers in-house that will take a personalized approach to each project. Coupling a wealth of experience with creative design advances, our engineering group will establish exact specifications for your particular application. Using computer-aided design (CAD) we'll combine our ideas with yours to develop viable, productive solutions to your performance criteria. In addition, we have complete tool room capabilities including state-of-the-art CNC equipment.



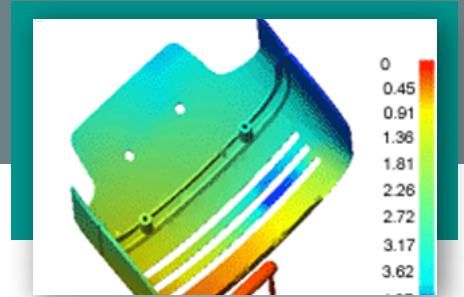
Finite Element Analysis (FEA)

When modifying or designing a new part, Davies uses a computer model of a material or design that is stressed and analyzed for specific results. FEA uses a complex system of points called nodes that create a mesh and are programmed to contain the material and structural properties to define how the part will react under certain loading conditions. This allows Davies' engineers to verify whether or not a proposed design will perform to the client's specifications prior to molding the part, saving customers unnecessary expense and lost time.



Mold Flow Simulation

Plastics simulation software allows our engineers to determine the manufacturability of your part in the early stages of the design. This is beneficial because it helps prevent any potential problems such as air traps, weld lines, warpage, shrinkage, and sinks that can cause delays in production and also ensures that the material chosen will provide the best performance, longevity, and the highest cost savings for your project.



Quality Control

From our suppliers to our employees, from production systems to our management team, quality awareness is universal and pervasive. The quality control that begins at our receiving dock with resin and insert delivery continues through our entire molding and finishing operations. All incoming components and materials must meet strict specifications, along with continual in-process inspection audits and outgoing quality control standards.

As a part of our continual in-process inspection, we perform a quality check at the following times during production: Process parameter set-up - First piece analysis- In-process analysis - Final audit. By doing a thorough inspection at these stages, you can be sure you will receive the best plastic part possible.

Davies Molding is also ISO 9001:2008 certified, so you can rest assured knowing that quality will be an important part of our process, from concept all the way through production. A copy of our certificate is available upon request.

Customer Service

An essential part of our customer service relationship is the continuing program of providing specialized services, assuring satisfaction, and maintaining long lasting business relationships. Spearheading our customer-first approach is a dedicated and knowledgeable staff of customer service and marketing personnel. Please give one of our trained professionals a call today!

Website Resources

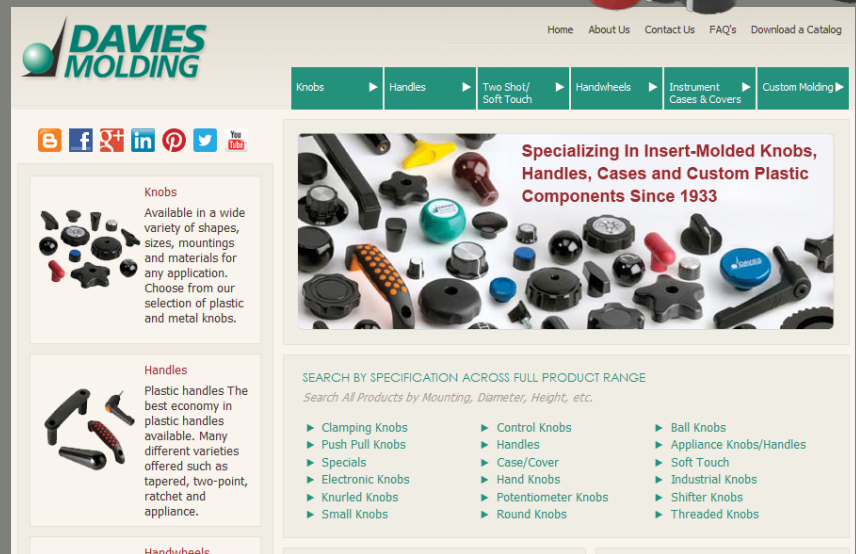
Visit www.daviesmolding.com to find the perfect part!

- Search by part #, diameter, insert threads, and more!
- View and download your part in 2-D or CAD drawing
- Learn about custom molding in our project portfolio
- Download our standard parts catalog
- Connect with us on Facebook, Twitter & Linked In



DAVIES MOLDING
ISO 9001 : 2008 CERTIFIED

350 Kehoe Blvd, Carol Stream, IL 60188
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DAVIES MOLDING

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Knobs Handles Two Shot/Soft Touch Handwheels Instrument Cases & Covers Custom Molding

Specializing In Insert-Molded Knobs, Handles, Cases and Custom Plastic Components Since 1933

SEARCH BY SPECIFICATION ACROSS FULL PRODUCT RANGE
Search All Products by Mounting, Diameter, Height, etc.

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- ▶ Push Pull Knobs
- ▶ Specials
- ▶ Electronic Knobs
- ▶ Knurled Knobs
- ▶ Small Knobs
- ▶ Control Knobs
- ▶ Handles
- ▶ Case/Cover
- ▶ Hand Knobs
- ▶ Potentiometer Knobs
- ▶ Round Knobs
- ▶ Ball Knobs
- ▶ Appliance Knobs/Handles
- ▶ Soft Touch
- ▶ Industrial Knobs
- ▶ Shifter Knobs
- ▶ Threaded Knobs

Handwheels