Do I need a Transfer Die?

A progressive die?

What best suits my product?

How am I going to assemble it?

Let the experts at STM help you decide what’s best to achieve your production needs!
STM is an experienced Die and Machine Builder with an excellent history of on-time delivery and quality. We build Progressive, Mechanical Transfer, or Hand Transfer Dies, as well as special automation machines with quality, reliability and customer satisfaction in mind on every aspect of the program. Dies and machines are built to our customer’s standards as well as stringent STM standards, insuring that your team will receive the best quality tool or machine possible. From concept to completion, our customers receive weekly progress reports to ensure deadlines are met.

Let us take you from concept to completion...
Quality Statement

Quality Policy Statement:
‘Continuous improvement is an integral part of STM’s management philosophy. The STM team is committed to meeting our customer requirements in all areas of Quality, Team Improvement and Maintainability as well as 100% on time delivery.’

Since 1979, we at STM have been striving to help our customers achieve their corporate goals by offering solutions and not just quality tooling and equipment. If you succeed in your business, we succeed. We prefer to build lasting relationships with our customers and in it for the ‘long-haul’.

Die Build Capabilities

For over 40 years, STM has been building quality dies for the Automotive, Office Furniture and Appliance industries with integrity and pride. We specialize in a multitude of products and the following are examples of just a few...

- Diaphragm Plates
- Booster Shells
- Cross members
- Exhaust Components
- Airbag Components
- Seat Components
- Frame Components
- Suspension Components
- Hitch and Bumper Components
- Pillar Components
- Roll Form Pre-Pierce Tooling
- Transfer Bars / Arms and Fingers
- Utilization of High Strength materials, Stainless Steel and Aluminum Materials

LCC Die Content

To further serve our customers in today’s global economy, STM is working with companies in China and to offer very competitive tooling pricing.

Dies are designed domestically using our customer standards. The designed details (designs of machined components) are then sent to our chosen build source in China for manufacturing. Component inspection and Die Assembly, die Try-out, Part Inspection and Run-off will take place at our facility in Holland, MI.

With domestic design and our experience to follow through with the project until our customer satisfaction is accomplished, STM outsource management is the best choice for U.S. manufactures.
Domestic Die Design & Engineering

Our Engineering team utilizes Solid Edge and Unigraphics 3D-Solid Design software in an effort to reduce build time and thus allowing for expedient delivery of the final product.

With ten high-end C.A.D station terminals and arguably the most qualified engineers around operating them, STM can create a solution for your product needs.

Our parametric design software allows for fast modifications and subsequently quicker tooling turn-around times.
Simulation Software

STM uses **AutoForm** simulation software to save time by avoiding the repetitive trial and error cycle before the die is engineered. We evaluate the formability of a product's design during the initial estimating and design concept stages, thus developing a sound forming process and prior to material being machined.

Special Automation Machines

STM had been in the business of designing and building special machines for over twenty-five years and within multiple industries.

Examples of equipment built by STM:

- Robot Welding Cells
- Function Testing Stations and Cells
- Automated Assembly Machines
- Orbital riveting machines
- Hydraulic Trim & Form Presses
- Heat staking machines
- Prototype equipment (Prototyping available upon request)
More examples of our ingenuity...

We at STM build ‘turn-key’ systems. From cad design, to panel build – we can do it all!
Quality Control

STM is committed to providing our customers with quality tooling and special machines. As part of our commitment, we’ve invested in Digital Scanner technology to ensure our tooling and equipment produce quality parts that meet or exceed the customer’s expectation.

Our Quality System is
ISO 9001:2015 QMS Certified!

Continuous improvement is an integral part of our philosophy. The entire STM team is committed to exceeding our customer’s expectations in all areas of quality, service, and on-time delivery.

STM is a proud member of the GLTDC and its network of businesses

The GLTDC is a diverse group of companies that manufacture dies, molds, tooling, fixtures and patterns that are used in production of finished goods throughout the world. For more information please follow the link provided: http://www.gltdc.net/
We look forward to working with you on your next project.

Contact us today and let’s make it happen!

For more information and to set up an appointment to tour our facility, please call our main office @ 616.392.4656

If you have a request for a quotation, please contact us at quotes@stmtooling.com

If you have further questions or would like to contact a specific individual at STM, please review the following contacts below and we will do our best to be of assistance:

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