

Welcome to the  
**UNITED TOOLING COALITION**





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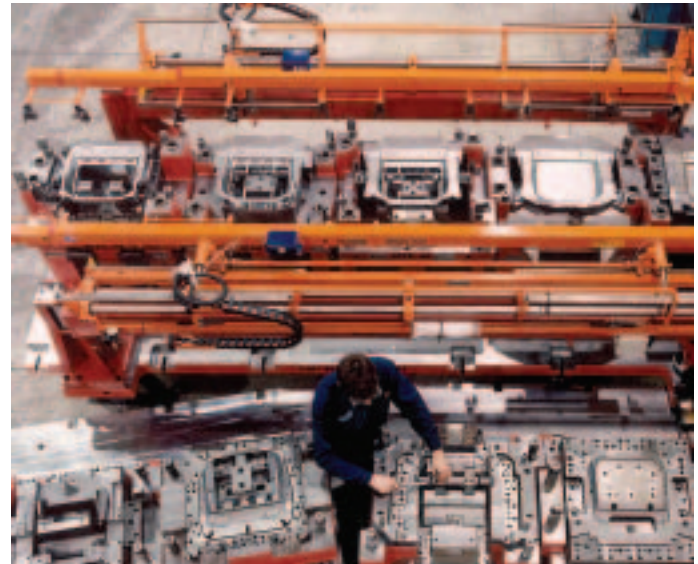


## UNITING TOOLING TECHNOLOGIES AND SERVICES FOR NORTH AMERICAN MANUFACTURERS

The United Tooling Coalition (UTC) combines the technologies and services of North American manufacturers to build competitive tooling for today's global market. The UTC was formed in 2003 as a unique collaboration of die and mold makers. Together, they represent all of the services offered by the progressive die- and mold-making industries.



The UTC specializes in providing a highly streamlined approach to project development, execution and delivery. Its members have applied lean manufacturing techniques to their own processes, and have jointly developed highly sophisticated operational and cost efficiencies throughout the coalition.



## COMPREHENSIVE SERVICES

### DIES

- Intricate progressive dies, transfer dies and line dies (up to 240 inches)
- Prototyping
- Engineering via state-of-the-art design and simulation tools
- Construction and assembly
- Early tryout and laser trimmed parts
- Tryout
- Global launch support

### MOLDS

- Rapid and production prototyping
- Reverse engineering
- Mold and compression tryouts from 15 to 3,000 ton
- Low volume production tooling
- Micro molds
- Two-Shot molds
- Over-Molds (insert molds)
- Production Class A tooling for 15- to 9,000-ton molding presses
- Santoprene parts
- Various plastics using hot water or oil on two or three mold plates
- Compression molding (SMC)
- Injection compression

### COST-SAVING OPPORTUNITIES

- Cross-coalition program management
- Continuous improvement of tooling standards
- Inter- and intra-firm lean practices
- Efficiencies of scale
- Synchronous manufacturing
- Digital technologies for product and process design

### FUNCTIONAL BUILD

- Central CNC programming with highly efficient cutting time
- Early product evaluations and process simulations
- Reduced tryout time

### SIMPLIFIED SOURCING

- À la carte selection from a comprehensive array of services
- Specializing in large, multi-part programs
- Single point of contact; single bid
- Access to low-cost foreign sources

## BUILDING THE RIGHT TOOL FOR YOU

Delivering only what you need, when you need it, the UTC allows customers to select from among its services á la carte creating a customized experience for each project. The result: highly competitive bids for even the most complex projects.

Looking to lower costs by sourcing related parts or assemblies? With one call, UTC will provide cross-coalition program management and functional build services for its clients.

Need to reduce costs from engineering changes? UTC provides early product evaluations and process simulation.

### ADDITIONAL COST-SAVING OPTIONS INCLUDE:

- Continuous improvement of tooling standards
- Inter- and intra-firm lean practices
- Efficiencies of scale
- Synchronous manufacturing
- Digital technologies for product and process design
- Functional build
- Central CNC programming with highly efficient cutting time
- Reduced tryout time

When combined, these cost-saving features represent a potential 35% total system cost reduction for dies and 30% for molds. Additional cost reductions are also possible through UTC's partnerships with low-cost global tool sources.

### PUT OUR NETWORK TO WORK FOR YOU

For the UTC, the whole is greater than the sum of its parts. From concept to finished product, the UTC provides a single source for a complete range of die- and mold-making services. Like a family of specialists, the UTC works as a single unit, managing all aspects of a project from costing and quality control, to workflow and communication. The result: sophisticated services you need from a single source at a globally competitive price.

### YOUR SOURCING SOLUTION

With its comprehensive services, lean practices, and sophisticated project management, the UTC is an invaluable cost and time-saving alternative for your next tooling project. Focused on building long-term, collaborative partnerships with customers, UTC offers a simple sourcing solution for large programs – allowing clients to reduce costs by sourcing multiple, inter-related parts to a single provider.

In partnership with foreign-owned suppliers, UTC simplifies access to low-cost foreign tool sources, relieves clients from having to build and manage offshore relationships, and provides local contacts for engineering and tryout.

### THE EQUATION IS SIMPLE:

Multiple Tools + Multiple Companies = One Point of Contact, One P.O.

### LET US SUPPORT YOUR DIE AND MOLD NEEDS

For more information about the UTC, contact us by calling 734-662-1287, or visit our web site at [www.toolingcoalition.com/id9.htm](http://www.toolingcoalition.com/id9.htm)

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