



Process & Design Technologies, LLC.



Global Plastics Solutions Through Innovation

Solutions through Innovation

In today's highly competitive global plastics market, manufacturers need every edge they can get to maximize productivity and efficiencies. Process & Design Technologies draws on sophisticated and proven technologies from various markets and applies them in unique and innovative ways to help manufacturer's gain a competitive edge. Regardless of region, you can count on us to deliver Global Plastics Solutions Through Innovation.

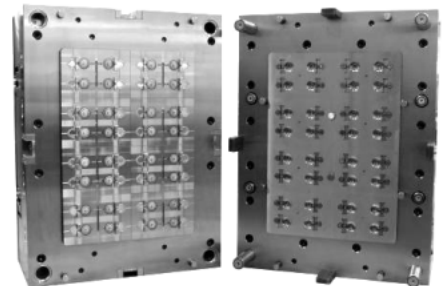
Evaluation Process... From start to finish

It starts with asking the right questions and gaining a full understanding of where you are today, and where you want to be in the future. Using proven methods to identify and quantify opportunities for improvement, we complete an in-depth review of problematic areas. Then, we formulate the right solution that will bring you the tangible results you need.

Advantages in “real world” working terms

With years of “in-field” experience to draw from, we ensure that our solutions are based in real world processing environments. Practical and realistic to implement, our scope of experience covers all aspects of the molding process from engineering through production.

Process & Design Technologies ensures that combined and proven technologies from various markets are correctly applied in unique and innovative ways helping manufacturers yield that elusive competitive edge.



Experience

Company founder, Terry Schwenk has over 33 years of experience in the plastics industry, including more than 22 years of specialized experience in hot runner technology. Terry's greatest strengths are in his abilities to identify, brainstorm, conceptualize, and then deliver the best solution that fits your needs supported by a strong technical background.

He also has a demonstrated ability to translate complex ideas and communicate these in such a way that your team members can fully benefit from the solution.

Here's what Terry's colleagues have to say:

“Terry Schwenk; an exceptional person with a thirst for finding solutions. He embraces opportunities and moves forward with a determination and enthusiasm that impresses me.”

“Terry's knowledge showed clearly in the presentations; questions were answered to the fullest and clearly for everyone.”

Expanding your knowledge

Led by Terry Schwenk, helping you and your staff to fully understand how all of the “pieces” work together is another service provided. This step is an often overlooked, but critical to realizing the savings related to a fully optimized solution. Terry is well versed at producing and presenting training seminars globally on hot runner and injection molding technology. Having presented hundreds of programs over several years, he has enhanced the knowledge of OEM's and senior decision makers covering a wide range of productivity and processing topics.

His experience is not limited to application suitability with hot runner systems, but also integration and trouble shooting abilities that are relevant to any plastics process. His training programs have proven invaluable and ensure that you maximize your process and investment.



Alliances that deliver optimized technologies and services

Process & Design Technologies has forged a strong alliance with industry professionals that leverages their technology partners. Complementing our services to provide leading edge solutions, these partners provide relevant plastics experience in the areas of sales, applications, engineering, tooling, automation, process improvement, and strategic marketing.

Working directly with mold makers, processors and OEM's, we effectively identify and capitalize on the use of professional partners providing a completely optimized molding environment for your operation. Please refer to the “Technology Partners and Alliances” page for more information.

Product Experience... Application Knowledge

Working with Process and Design Technologies means you tap into hands-on, in-field product and application experience that will exceed your expectations. In domestic and global markets, we have worked on the most demanding applications including those that require specialized experience. These include multi material, multi color, engineered resins, tight pitch and tight tolerance designs; all requiring repeatable performance.

Markets and Applications served include:

- Medical and Pharmaceutical
- Cosmetic and Personal Care
- Consumer Products
- Food and Beverage Packaging
- Automotive and Industrial



Specialized services

Beyond working with you to identify and develop a plan, Process and Design Technologies offers a wide range of tooling and project management related expertise to further advance your ability to compete covering everything from selecting the best tool shop for your application, to troubleshooting and project management.

Tooling Solutions

Specializing in advance tool designs incorporating complex technologies such as Spin Stack technology, In-Mold-Assembly technology and In-Mold-Labeling technology.

Other areas of tooling expertise include:

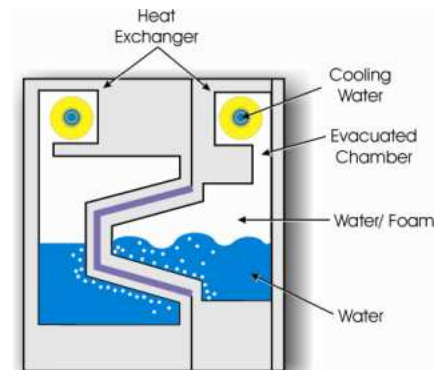
- Multi-material tools (Index table, rotating platens, spin stacks, core back)
- Silicone tooling
- Multi-material silicone tools
- Stack Molds
- Modular tools
- Mold cooling (Ritemp™)
- Electrical issues (PowerTech)



Plastic Processing Solutions

Specialized experience in optimized processing using hot runners systems includes:

- Multi-material applications
- Scientific and Technical molding
- Hot runner gate selection and sizing
- Hot runner trouble shooting
- Vent optimization (SureVent)
- Resin evaluation, selection and trouble shooting



Hot Runner Process Improvements

- Trouble shooting
- Analysis
- Corrective actions
- Gate selection

Project Management

Oversee and coordinate construction of manufacturing cells. Coordinate multiple tool builds and validation.

- Oversee and coordinate construction of manufacturing cells.
- Coordinate multiple tool builds and validation.
- Pre-qualify vendor's services.



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