



3-D Solutions Design Service presents

The POWER CATALOG and POWER TEMPLATE System for Tooling Design

FOR MORE INFORMATION PHONE (616) 696-9344, WWW.3DDIEDESIGN.COM

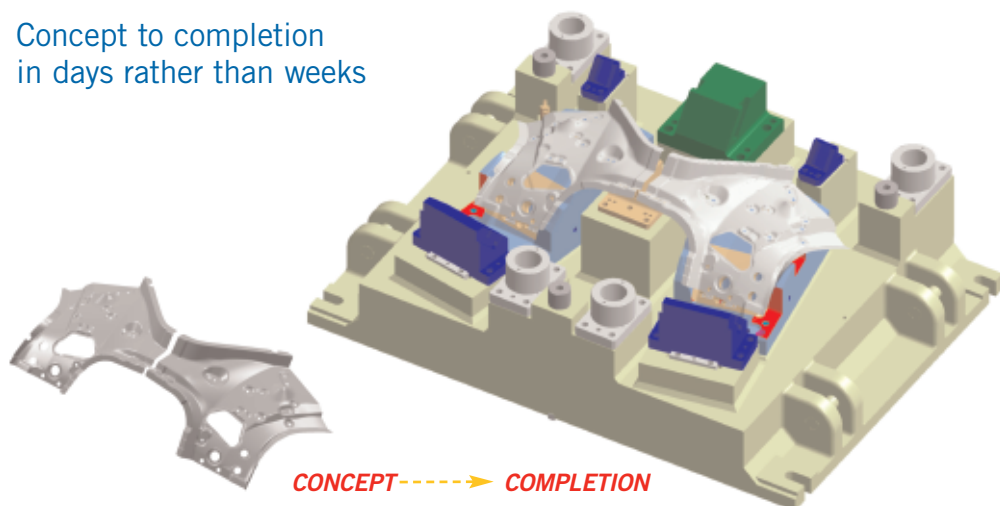
The *Power Catalog and Power Template System* provides a proven method to design tooling with CATIA V5.

We offer a complete design solution including *Power Catalog* components, *Power Template System*, recommended file structure, tree structure, manuals, documentation, and training on "best practices."

Who benefits from our product

The *Power Catalog and Power Template System* is recommended for companies designing and building all kinds of metal stamping tools including: progressive, line, and transfer dies, as well as special machines and prototype tooling. It is a very effective way for metal stamping facilities to get uniform products from all their tooling sources both domestically and globally. We also create customized catalogs and templates to match specific standards for any stamping facility. Custom catalogs and templates can then be utilized by the stamping facilities' tooling sources. This eliminates much of the tool review time required by metal stamping companies.

Concept to completion
in days rather than weeks



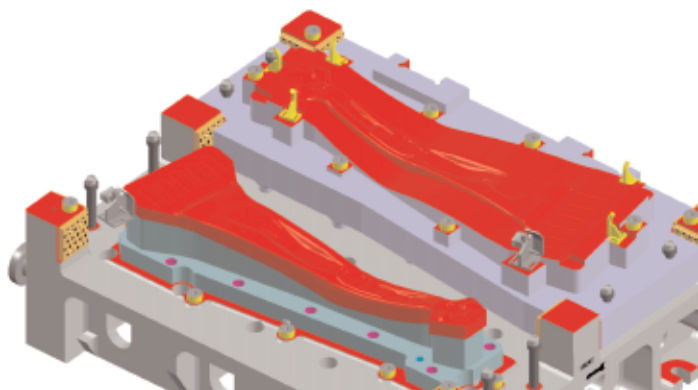
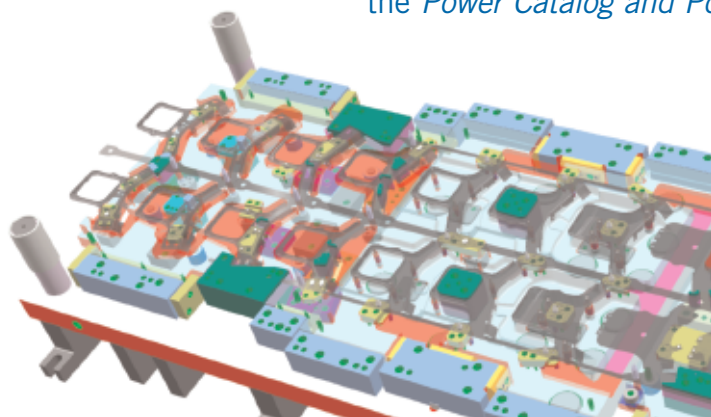
A proven system, not a new idea

This product was developed by tooling designers for tooling designers. At 3-D SOLUTIONS DESIGN SERVICE our on-staff design team has been using and refining this system for over nine years. Our company designs tooling for numerous customers throughout North America. Tooling shops and design houses currently using the *Power Catalog and Power Templates System* can testify to their success since implementing the *Power Catalog and Power Templates System*.

"We hit the floor running. We have been able to concentrate on designing instead of spending 1+ years creating our own catalog. We are 100% satisfied with the Power Catalog and Power Templates System."

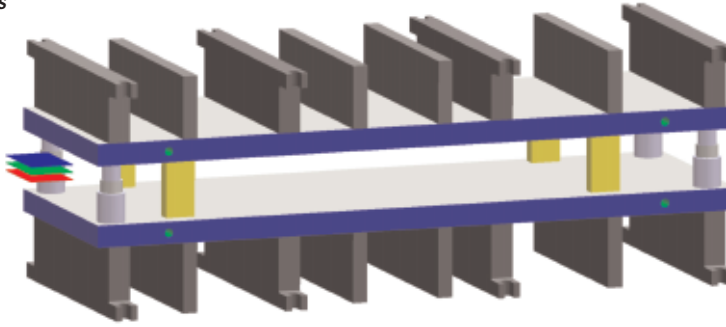
Mike Brower
Enterprise Tool & Die Inc.

From the most complex progressive dies to large multi-station transfers, the *Power Catalog and Power Template System* will supply your tooling needs



THE *POWER TEMPLATE* SYSTEM

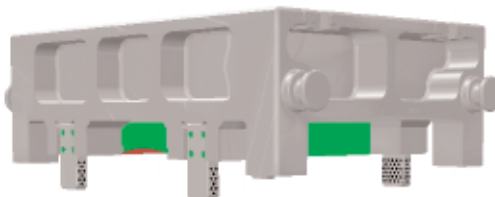
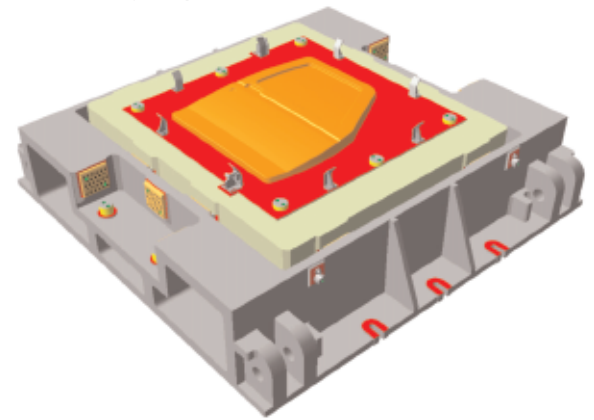
Die Set Templates



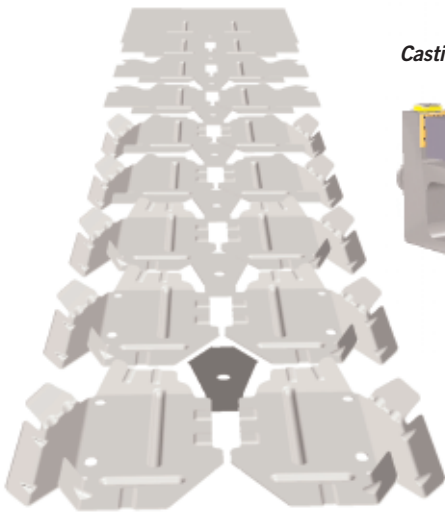
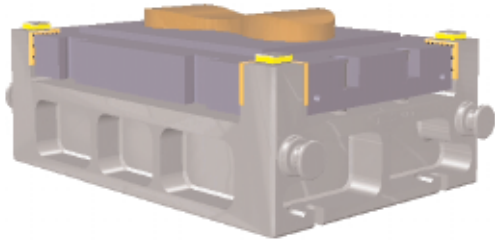
Strip or Part Templates can be inserted into Die Set or Casting Templates to quickly start a project.

Power Templates save time and money by eliminating repetitive steps from the design process. An entire assembly can be inserted into the design rather than bringing components in one at a time. By utilizing the *Power Template* assemblies, the groundwork for your design can be quickly set in place. The assemblies are fully parameterized and constrained as needed. These assemblies can be modified as a whole rather than individually. This greatly reduces the time required to complete the design.

Casting Templates



Casting Templates



Stock Strip Templates

The Power Template System includes

- Die Set Template
- Lifter Rack Template
- Stock Strip Template
- Nitrogen Manifold Template
- Nitrogen Plumb Plate Template

Various Casting Templates available separately. Ask your sales representative for additional information.

Here is what some of our customers say about the *Power Catalog* and *Power Template System*

"Power Catalog and Power Templates have been a big time saver in designing our tools. It is very customizable and fits our own specific needs — that is a very big plus. Another great bonus is the help support we have received. We have been using it for 1 1/2 years and attest that it is very user-friendly."

*Bill Conner
Die-Matic Tool and Die, Inc.*

"CATIA V5 design efficiencies have been tremendously improved using the Power Catalog and Templates. The power of the Catalog functionality makes designing more productive. Novice CATIA V5 designers are empowered by its functionality, and can develop new designs within days."

*Bob Heffelbower
Trimline Tool, Inc.*

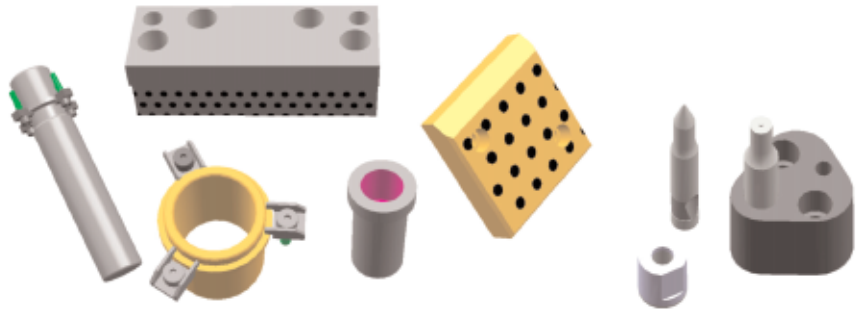
"We bought the Power Catalog and Power Templates and immediately began designing efficiently with CATIA V5. We would have spent months building everything in between jobs."

*Kevin Schumaker
Competition Engineering, Inc.*

A 3D rendering of a grey rectangular electronic module. The top surface features eight silver, cylindrical push-buttons arranged in two rows of four. A green rectangular control unit is attached to the front edge, containing a red LED and a potentiometer. Small green and blue indicator lights are visible on the front face of the module.

A 3D perspective illustration of a circuit board. The board is a light gray rectangular plate. Seven blue cylindrical capacitors with white top caps are mounted on the board. They are arranged with three in the top row and four in the bottom row. A green rectangular component with a circular dial and a red needle is connected to the circuit by orange wires. The wires form a loop connecting the capacitors and the green component.

The *Power Catalog* reduces design time by utilizing thousands of pre-drawn intelligent components. Eliminate wasted time downloading simple solids from vendor websites. The *Power Catalog* components not only give you the desired component, but also carry the necessary machine bodies required for machining pockets, clearance holes, fasteners, dowels and more. All components carry the necessary information for ordering and are directly linked to the stock list. This information continually updates as you make adjustments to the components, and virtually eliminates stock list errors.



Dayton Components

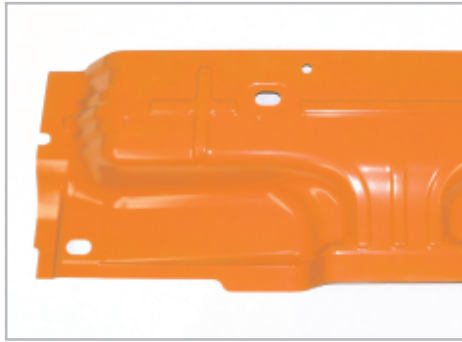
Made from

The *Power Catalog* contains more than purchasable components. There is an extensive selection of “made components” ready for insertion into the design assembly. Some examples include: Trim Steels, Punch Steels, Stock Guides, Stripper Pads, Pad Windows, Form Blocks, Pitch Swivels, Cam Components, Keys, Keepers and many more.

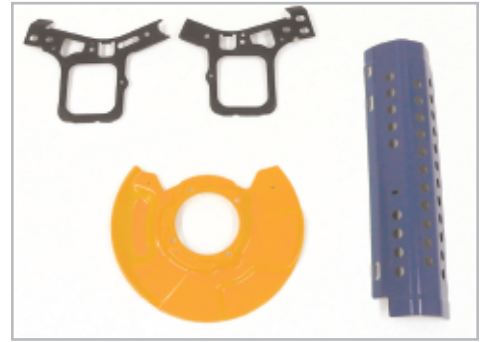
COMPLEX PRODUCTS ARE EASILY DESIGNED USING OUR TEMPLATES AND CATALOGS



Transmission Cross-member



Floor Pan extension



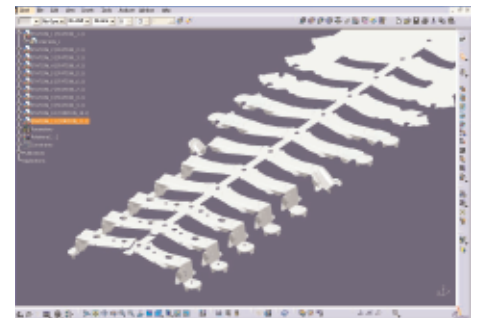
Shields and brackets

Eliminate the learning curve

Our customers effectively design tooling immediately after implementing the *Power Catalog and Power Templates System*. After basic training on CATIA V5, designers receive an additional two days training using the *Power Catalog and Power Templates System*. Designers insert components into the design, rather than drawing each component from scratch. There is no need to become an expert using CATIA V5.

Additional benefits of our System

By leveraging the constantly expanding network of *Power Catalog and Power Templates System* users, companies develop additional resources to outsource design, machining, or entire projects. With everyone in the network utilizing the same system, there is a seamless flow of information from one company to another. Outsourced designs look as if they came from your engineering department. These designs flow seamlessly through the down-stream manufacturing process without modification and interpretation from internal staff.



Complex strip layout using our template

How does your company plan to handle increasingly shorter deadlines?

Join our network of *Power Catalog and Power Templates System* users: call (616) 696-9344



*Thousands of SMART
3-D Modeled Components.*



*CATIA V5 Based Smart
Assemblies — Fast and Easy
to Use*

Tooling Design Package Includes:

- *Power Catalog (CD)*
- *Power Templates (CD)*
- *Training Manual and Documentation*
- *2 Days On-site Training*

Technical Support also available

**TO ORDER CALL
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