

**Project: Automated drawing generation**

**Customer: Trans World Marketing (TWM)**  
www.transworldmarketing.com

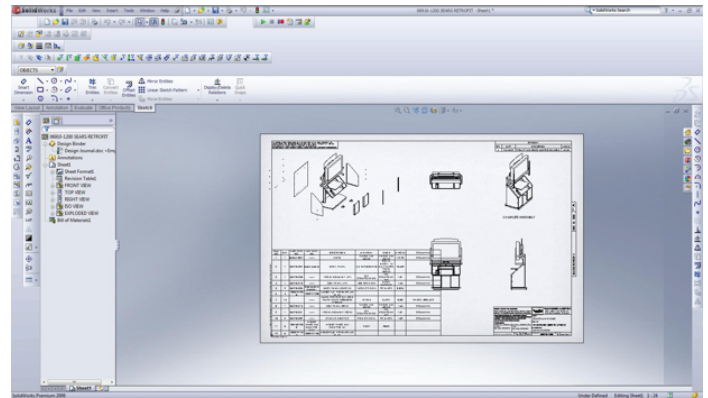
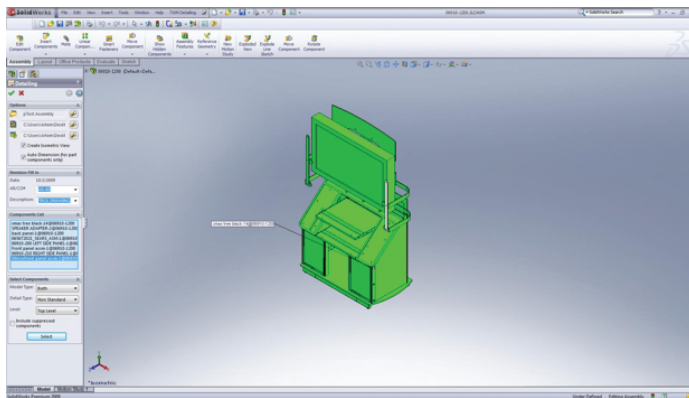
**Project Type: Solid Works Customization**

**Problem:**

If a user wishes to generate drawings for parts of an assembly in Solid Works, s/he has to generate each drawing manually, one by one. This is a time-consuming activity, one by one. This is a time-consuming activity.

**Solution:**

Trans World Marketing wantedAMCBridge to automate their drawing generation process. They projected a 33% increase in productivity as a result of this innovation. increase in productivity as a result of this add-in.



**Software description:**

**TWM Detailing** is a SolidWorks add-in thatautomates the drawing generation process from the assembly and part environments of SolidWorks.

This tool creates a regular SolidWorks drawing with 3 standard views and lets the user specify a general scheme for the detailing process:

- 1) Project's Destination Folder
- 2) Drawing Template
- 3) BOM Template (for assemblies only)
- 4) Drawing Name
- 5) Autodimension Toggle
- 6) Isometric View Toggle

**TWM Detailing** allows one to not only specify the scheme for the top level Assembly, but also edit the scheme for each component individually.The drawing views are oriented according to a pre-defined set of rules that adjust depending onviews count, model type, etc.The "Select Component" tool allows querying the components by specific criteria: detail type (e.g., fastener, non-fastener), model type (e.g., part, assembly), and level (e.g., top, sub-level).

**Results:**

The software, tailored specifically to TWM-needs, significantly increased designer productivity by reducing time spent onthe drawing generation processes. AMC assisted TWM with defining a precise automation plan and satisfied all TWM requirements on time, while remaining in close communication with the client at all stages of the development process. As a result, TWM decided to outsource another project shortly after.