

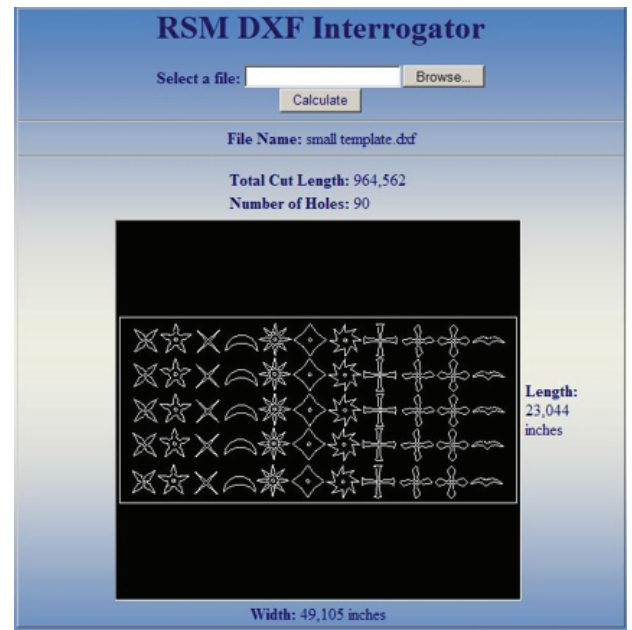
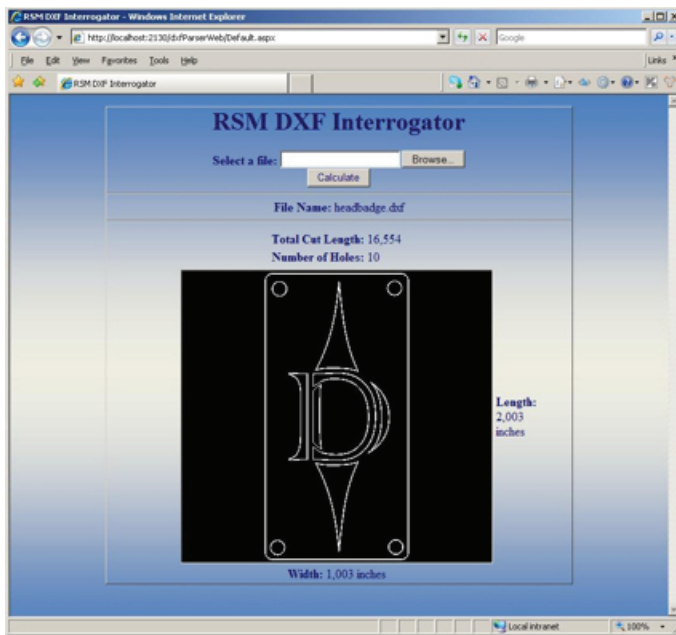
**Project: DXF Asp.Net Parsing Application**

**Customer: Rapid Sheet Metal (RSM)**  
www.rapidsheetmetal.com

**Project Type: General Software Development**

**Problem:**  
As a rapid prototyping company, RSM wanted to smoothen a portion of their workflow. A quick identification of key features of a model provided by a prospective client could help them speed up their prototype-pricing process. As a result, RSM could cut costs associated with assessment of prospective client’s needs.

**Solution:**  
A software that is easily accessible to their clients via RSM website was developed by AMC-Bridge. With just a click of a button, any client is able to upload their drawing and have its key features (holes, pierces, perimeter, etc) accurately calculated.



**Software description:**

AMC created a web application that parses and interrogates a 2D DXF file to generate an image with key features of the part. The software calculates Y extent, X extent, total cut length, as well as the number of internal features of the model with high accuracy. All calculated values and a thumbnail image are displayed on a webpage.

There were a few challenges associated with development of this software. Firstly, SolidWorks models have “open contours” and “closed contours”. RSM wanted our software to identify only closed contours and flag open contours as an error. RSM was also concerned about how quickly unsupported entity types are identified.

Our software successfully addressed both issues. If any open contours or unsupported entities are found, the software highlights them and calculates exact number of such issues. You can check out this application on RSM’s website. You can check out this application on RSM’s website.

**Results:**

By automating the quote generation process and placing it online, AMC helped RSM significantly reduce time and human capital spent on pricing requests of its clients. RSM was content with quality, implementation speed and expertise provided by AMC Bridge.