Waterjet DIY Project

Description: Now that you've completed the waterjet modules, it's time to design and create a unique project. You can create anything you choose as long as it satisfies the requirements listed below.

This is your time to create! Have fun with it.

Requirements: For this module, the only DIY project requirement is that the resulting product must be three-dimensional. You should still check the grading rubric below to make sure your work covers those aspects, as well.

Deliverables: Submit your design file (DXF, DWG, OnShape, etc.), Protomax Layout file, and image you used in the tracing along with a picture of the completed project (include as many angles as necessary to demonstrate its functionality, appearance, features, etc.). Include a short description of its purpose (300 words or less) if it's not obvious.
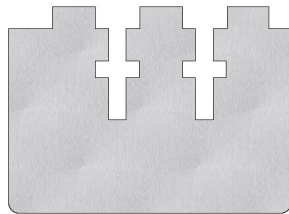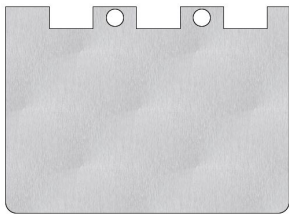
Grading: You will be graded as followed.

	1 pt	2 pts	3 pts
Creativity	Very simple design that requires no thought		Unique/useful implementation of the learned skills
Quality	The edges are sharp. Tabs are still present (if applicable). Part not post-processed.	Edges were post-processed poorly.	Post-processing done well. High quality finish.
Feature			Three-Dimensional
	0 pts ←→ 10 pts		
Design	Incorrect lead in/lead out line placement. Image chosen does not translate well to the design.		Lead In/Lead Out Lines appropriately placed. Lead In/Lead Out Lines on all features. Etc.

Examples

Bending

Slotting

Beveled Texts