

CAN YOUR 3D PRINTER DO THIS?

Compare your Return On Investment using a Roland SRP™ system in-house to your outsourcing costs. All Roland milling machines feature low cost of ownership, unsurpassed reliability and can mill a wide range of non-proprietary materials with precision fit and finish.



Fan Prototype

This handy model is used on our tool holders to blow chips out of the cutting area during milling. This is beneficial when cutting difficult to mill materials such as acrylic as well as aluminum by keeping the cutting area clean. This model was quickly created and put to work immediately after being removed from the machine. Visit our website to see a video of the whole part creation process.

R.O.I.	
Acetal Material	\$9.50
Labor (1/2 hr)	\$17.32
Total Cost	\$26.82
Value	\$199.00
Savings	\$172.18



Hair Dryer Prototype

When the designers wanted to test the fit and finish of a new travel sized hair dryer, they used Roland SRP technology to produce a prototype that would give them a good representation of how the final product would come together. No sanding or smoothing was required on this assembly.

R.O.I.	
Acetal Material	\$65.00
Labor (2 hrs)	\$69.30
Total Cost	\$134.30
Value	\$1,768.00
Savings	\$1,633.70



Gear Prototype

This gear was used as a prototype to test real world functionality. This is a fully operational gear cut in the exact material that the final product would be produced in. Its fit, finish, and structural integrity will mimic the final product allowing for accurate component testing.

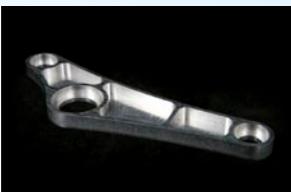
R.O.I.	
Nylon Material	\$5.00
Labor(1/2 hr)	\$17.32
Total Cost	\$22.32
Value	\$199.00
Savings	\$176.68



Bearing Block Prototype

When a fast prototype was required to quickly see the overall design of a new bearing block concept, one was quickly created using a light weight tooling board. This material allows users to create concept models at a fraction of the time of plastics or non-ferrous metals giving you a model in your hands fast.

R.O.I.	
Tooling Board Material	\$25.00
Labor (1 hr)	\$34.00
Total Cost	\$59.00
Value	\$950.00
Savings	\$891.00



Rocker Arm Prototype

This aluminum rocker arm prototype was an early design model used to test the overall shape and function. This prototype was created in aluminum, the final product's material, to test bearing fit and basic functionality.

R.O.I.	
Tooling Board Material	\$25.00
Labor (1 hr)	\$34.00
Total Cost	\$59.00
Value	\$950.00
Savings	\$891.00



Fixturing Prototype

This component is part of a manufacturing jig. The jig required a special fixture clamp that was not commercially available and was quickly created on a Roland SRP milling machine. The material selected for the fixture clamp, acetyl copolymer, will function just as the engineer wanted with no compromises in material performance.

R.O.I.	
Acetal Material	\$20.00
Labor (1 hr)	\$34.00
Total Cost	\$54.00
Value	\$375.00
Savings	\$321.00