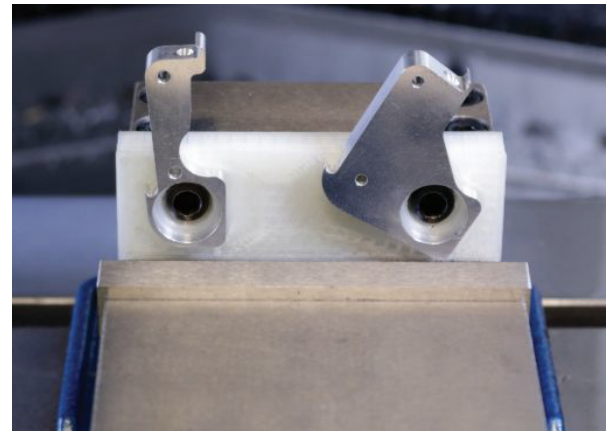


SAMPLE PART

SOFT JAWS

The need for strong, non-marring work-holding devices is typically met by custom soft jaws. Using a softer metal like aluminum in these applications still runs the risk of damaging the workpiece. 3D printing soft jaws in tough but non-marring Onyx on a Markforged printer gives companies a quicker turnaround at a lower cost.

Superstition Machine Works was spending weeks to months fabricating RC Rock Crawlers for customers using traditional CNC methods. The addition of carbon fiber 3D printing from Markforged changed the dynamics of their fabrication process. These soft jaws, printed with fiber reinforced Nylon filament, were printed in 17 hours and have the flexural strength of aluminum and the tensile strength of steel that eliminates marring and holds the part securely intact. Printing these parts and fixtures instead of outsourcing them to the local machine shop decreased their turnaround time from weeks and months to days.



Incorporating industrial grade, composite 3D printing technology from Markforged provides strong, dimensionally stable engineering-grade parts with a high-resolution surface that won't damage your part. For Superstition Machine Works, designs were simplified, making the parts easier to manufacture but still optimized to their applications. Designing and testing with an on-site 3D printer greatly reduced shop time allowing projects to get done quicker. Simple setups, reliable, strong parts and quick turnaround time all make the Markforged a huge asset. Superstition Machine Works is now able to create more than ever before, and you can too. More is ALWAYS Possible with these revolutionarily affordable Markforged 3D printers offered by DesignPoint.

PART COMPARISON

	Markforged	Standard Process
Material	Nylon and Fiberglass	Aluminum
Cost	\$84.07	\$1,058.25
Time	54 hours	72 hours + shipping time