



# Ford Quarter Glass Alignment Fixture

It is common along auto assembly lines to find line side tools that are heavy and cumbersome to use. This is an example of a traditional fixture on the Ford Mustang assembly line, that was replaced with an additively manufactured fixture instead. By 3D printing this fixture, Ford reaped the benefits of improved ergonomics, reduced weight, and improved technician satisfaction, while maintaining the strength the part needed to operate effectively.

System	F900®
Material	FDM Nylon 12CF™
Build Time*	2 days, 13 hrs, 44 mins
Material Used	170.6 in <sup>3</sup> (433.3 cm <sup>3</sup> )
Support Material Used	16.1 in <sup>3</sup> (40.8 cm <sup>3</sup> )