



Machining Soft Jaws

These soft jaws were 3D printed with FDM® Nylon-CF10, a composite nylon polymer filled with 10% chopped carbon fiber for added strength and stiffness. Soft jaws are used to machine complex shapes and can be difficult and time consuming to machine from metal. FDM Nylon-CF10 provides the mechanical properties to enable soft jaws to be 3D printed instead. This avoids the opportunity cost of machining them with existing tooling resources that could be focused on value-added production. FDM Nylon-CF10 is available on the F190™CR and F370®CR composite printers.

System	F370®CR
Material	FDM® Nylon-CF10
Build Time	10.5 hrs (1 set, 2 pieces)
Material Used	18.87 in ³ (309.22 cm ³)
Support Material Used	1.60 in ³ (25.84 cm ³)