

TEKREX[®]

Case Studies

Fiber Optic Loopback

A fiber optic cable manufacturer wanted to design their own version of a loopback, a common testing device that “loops” a signal back through a transceiver port to verify that the port is working correctly.

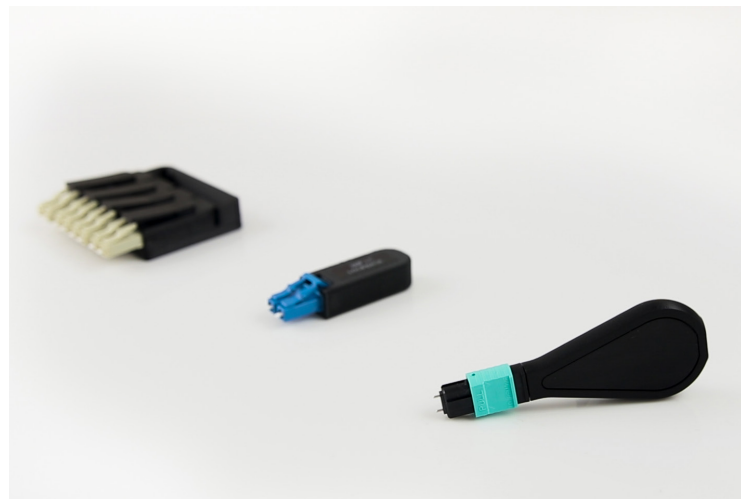
With their own product they could avoid high prices and large levels of inventory. They could also improve upon existing designs for applications with tight form factors

Challenge

Our Solution

TekRex worked with the manufacturer to design loopbacks for a variety of adapter types and form factors. When it came time for production, the Carbon M2 printer was chosen due to its high level of finish and production capacity.

Of special note is how the MTP loopback (the rightmost model) had a special locking mechanism for ease of assembly.



Results



This line of loopbacks continues to be a highly sought-after product through the manufacturer’s online store and is offered at a price below its competitors.



Also, due to it being 3D printed, the manufacturer keeps inventory and its associated costs to a minimum.