

Unmoldable Design into Scalable Production

Background:

FinMan was looking to produce a multi-functional fishing tool that would have been impossible with traditional manufacturing because of the three functions it serves

Challenge:

- FinMan has a complex body design, including precise features, undercuts, thru holes, and surface textures
- Requires a strong material that was flexible, but tough enough to withstand demanding use and constant cycling
- Evaluated injection molding, FinMan was told to re-design to simplify manufacturing, but in doing so would detract from form and function

Solution:

- FinMan consulted with Gallagher Corp to produce FinMan's preferred body design, despite its complexity of shape, tight tolerances and surface texture using Carbon RPU 70 material for strength, toughness, and flexibility
- Incorporates an aesthetic texture resembling fish scales to improve grip



Made by Gallagher Corp, a Carbon Production Network Partner, using Carbon RPU 70 and a Carbon M2 Printer

UNMOLDABLE DESIGN + UNIQUE SURFACE TEXTURE TO IMPROVE GRIP FOR A MULTI-FUNCTION FISHING TOOL

"With Gallagher, we turned around several iterations of prototypes in a matter of weeks – something that would've been impossible with traditional manufacturing methods such as injection molding. On top of that, Gallagher met my aggressive production timeline at a competitive price."

-Gage Cutler, Founder, FinMan Fishing Innovations