

Case Study

No Fuss Fill entrepreneur calls upon ARRK's prototyping expertise & support.

When the owner and entrepreneur of No Fuss Fill approached ARRK for assistance we were only too happy to help.

No Fuss Fill, is a innovative company that sells "Products that make life easier and more fun for dogs and their people" to quote their own phrase. The company was planning to introduce a new product to their range and needed a series of prototype parts that could be used in upcoming field trials. The client wanted to gain valuable feedback from their focus group as to how their product performed before committing to hard tooling and mass manufacturing.



With the client eager to get things moving, they consulted ARRK, following a third party recommendation, and started talking with one of our projects advisers in Teesside. Having discussed how the parts were to be used with the projects team, No Fuss Fill ordered 20 sets of PU (polyurethane) castings in resins that simulated their intended PP and TPE production materials. With 5 different components making up each set, ARRK quickly set about producing SLA masters for use in the silicone tools. Once the tools were created the masters were removed and PU material poured into the cavity in the vacuum casting process. An initial "first off" set were sent to the client for approval, before the remaining 19 sets were cast, finished and despatched and all within a few weeks. We're delighted to report that the parts performed well during the trials allowing the customer to validate their design. Now confident that their design was good, the customer proceeded to the production process of injection moulding.



Key Requirements -

Provide a series of vacuum castings suitable for use in field trials

Short lead time

Project management, support & guidance



SLA masters built in Xtreme resin, finished & primed. >> Silicone moulds created for multiple castings in PU materials.



Vacuum casting process



PU castings



PU castings finished and inspected before despatch.



For further information on ARRK's range of services, please contact:

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