



EF Engineering
Showcasing Technical Innovation

3D Printing Making EF Engineering Responsive to any Challenge

At EF Engineering, we pride ourselves on delivering show-quality products that impress at every stage. But we know that when a show ends breakdown happens at pace often resulting in unexpected damages. And with transport via air, boat or road, products can sometimes return to us with unexpected damage.

That's why every item that returns to our facility goes through a checking process to ensure its show quality. Our goal is to ensure it's in pristine, show-ready condition before being packed securely for storage. If issues are found then we investigate the source to improve our process, contact the customer and arrange repairs.

Thanks to a strong partnership with our trusted freight providers, Exhibition Freighting, we can adapt quickly to prevent repeat incidents. With us taking on new challenges we are always learning and improving our processes.

The Challenges

- The display engine was returned to our workshop after a show and, during the post event inspection, found to be damaged.
- While a respray addressed the visible surface damage, a rubber end cap on the unit was beyond repair and could not be reused.

Our Response

- We immediately informed the client of the damage and outlined our repair plan.
- Our in-house designer could rectify swiftly to create a replacement cap using 3D CAD software.
- The cap was 3D printed in-house and finished with a rubberised coating for durability and a show-quality finish.



The Result

- The product was restored to full show-ready condition without needing to return it to the customer or the customer sending parts out to us at their expense.
- The client had confidence that their equipment was event-ready and looked after.
- EF Engineering demonstrated the ability to create custom replacement parts internally, saving time and avoiding additional costs for the customer.

Conclusion

EF Engineering's investment in 3D printing technology goes far beyond prototyping—it's now a core part of how we maintain quality and respond to challenges. Whether it's bringing your vision to life or ensuring your equipment remains flawless from show to show, our in-house capabilities let us act fast and deliver reliably.

If you're looking to create a showstopping piece with the confidence it can be maintained for repeated use, get in touch with the EF Engineering team today!

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