

ExpHand

The hand that *g r o w s*

Only **10%** of people across the world have access to the prostheses they need.
We want to change that.

Barriers to obtaining prostheses include:

- ⚠️ **High cost** due to prostheses being custom made
- ⚠️ **Lack of specialists** to fit prostheses
- ⚠️ Fixed size prostheses that have a **short useful life**, especially in children



We created the ExpHand, a **3D printed prosthetic arm** designed for **children from 3 to 10 years old**. Our prostheses have interchangeable hands and adjustable sockets so **your prosthesis is never too small**, even if you grow really quickly!



In contrast to traditional prostheses, the **ExpHand** is:

- ✂️ **Manufactured quickly** and on demand using 3D printing at a **lower price** than traditional manufacturing
- ✂️ **Adjustable**, increasing the useful life of the product and allowing **fitting** to take place **at home** without a specialist
- ✂️ **Customisable**, giving children the chance to design their own prosthesis, **increasing the likelihood of regular use**.

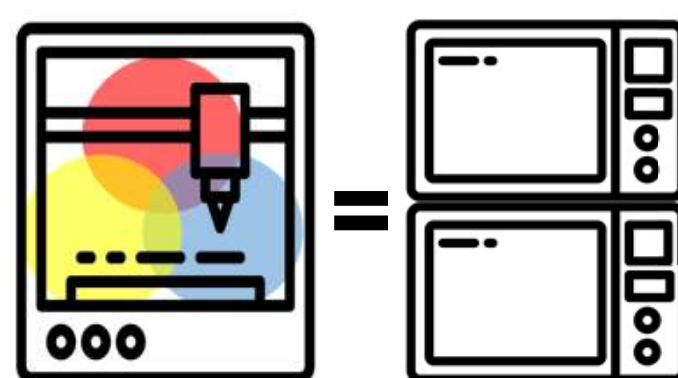


That's the ExpHand

Our prostheses are designed for kids like Zoey



We manufacture our prostheses using **3D printing**, so we can manufacture wherever we have a power socket. No large factory necessary. This means prostheses can be **manufactured locally**, increasing the **ease of repairs** and **drastically reducing costs**.

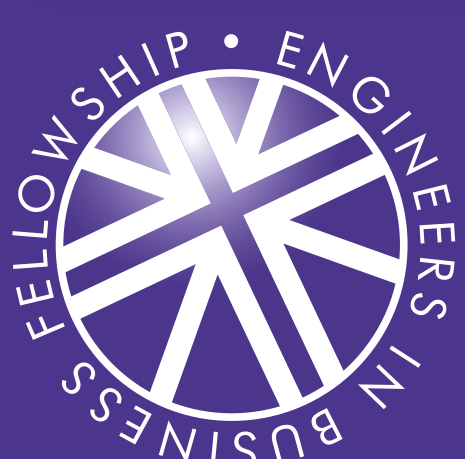


One 3D printer is the size of 2 microwaves

Making this possible with



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Champion of Champions

FINALIST