

Make 3D-Printed Devices: The MakeGood Way

MakeGood is an innovative non-profit that creates custom assistive devices. We support individuals with special needs, disabilities, and chronic conditions—empowering them through novel solutions.



Our Approach To Making Devices:

At MakeGood, we design with people with disabilities—not for them. Our process begins by partnering directly with “Need Knowers” to understand real-life challenges and imagine solutions together, whether by adapting an existing design or creating something entirely new.

Through hands-on consultation, 3D modeling, prototyping, and testing, we transform ideas into practical, personalized assistive devices. Once finalized, we manufacture and deliver fully functional 3D-printed solutions—free of charge—so individuals and families can live with greater agency, dignity, and confidence.

How YOU Can Do It Yourself:

You can make assistive devices yourself using the same open, collaborative process MakeGood uses—by starting with a real need, downloading open-source files, and iterating as you learn. Platforms like MakerWorld share community-designed prototypes such as the Handle Writer, a supporting pen and drawing aid that helps people with tremors or grip weakness write more independently. By printing, testing, and sharing feedback, makers help improve designs so they work better for real people in real life. This do-it-yourself approach puts inclusive design into the hands of communities everywhere.

Helpful 3D-Printing Terms You'll See:

- **PETG:** A durable, resilient plastic often used for rigid parts like the TMT
- **TPU:** A flexible, rubber-like material used for straps or grips that need to bend and stretch.
- **Infill:** The internal structure of a print
- **Supports:** Temporary printed material that holds up overhangs and is removed after printing.
- **Prototype:** An early version of a device meant for testing and improvement, not final use.
- *By learning these basics and sharing your results, you become part of a global effort to design with dignity—and prove that ‘design for all’ is something anyone can help build.*



Ready to create and make good? Visit MakerWorld:
<https://makerworld.com/en/>
@MakeGood



Where to Donate Devices In Your Local Community:

- Pediatric Hospitals & Children’s Medical Centers
- Early Childhood Centers
- Independent Living Organizations
- Rehabilitation Clinics & Physical Therapy Practices
- Makerspaces, Libraries & Community Fabrication Labs
- Arts & Cultural Institutions with Accessibility Programs

By placing 3D-printed assistive devices into trusted community spaces, this ensures:

- Faster access for families
- Reduced financial barriers
- Stronger community ownership
- Real-world testing and feedback from “Need Knowers”

This is how inclusive design moves from idea to impact.