

Arthritis Typing Aid

DESIGN RATIONALE

Introduction

This device is intended for users with arthritis that have difficulty typing due to joint pain. The ball of the device provides an easy grip, while the stylus allows for the user to type.

Research

Name	Image	Price	Link
Page Turner-Keyboard Aid with Wrist Cuff		\$49.95	Link

Requirements

Goals

G01	Device must allow a user with limited hand function to type on a keyboard.
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Functional Requirements

F01	Device must be easy to grip by someone with limited hand function
F02	Device must be able to press buttons on a keyboard.

Constraints

C01	Device must be entirely 3D printed
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Testing

The device was test printed and found to work well.

Opportunities for Improvement

There is potential for a built in method of fastening the two halves together that eliminates the need for glue or a soldering iron.