

# Proposal 3

## Standing Hands

### A. Overview

The standing hands are a self standing set of flying hands. Developed to maximize the hands as inputs for data rendering systems, these increase the capacity to manipulate multi-dimensional environments.

### B. Details

1. Flying Hands
2. Adjustable Stand

### C. Development Costs

1. Flying Hands:

Machined Aluminum and Plastic

RS232 connection

Joystick has x, y and z movement plus rotation

Palm pad and fingers have pressure sensitive switches

TNG4 is integrated into the base

Materials:

Polyethylene / Acrylic / Aluminum \$500.00

Joystick / switches / accelerometer / TNG4 \$2,500.00

Labor: Design / Machining / Assembly 40 hrs @100/hr = \$4,000.00

**Total: \$7,000.00**

2. Adjustable Stand

Pneumatic assist height adjustment

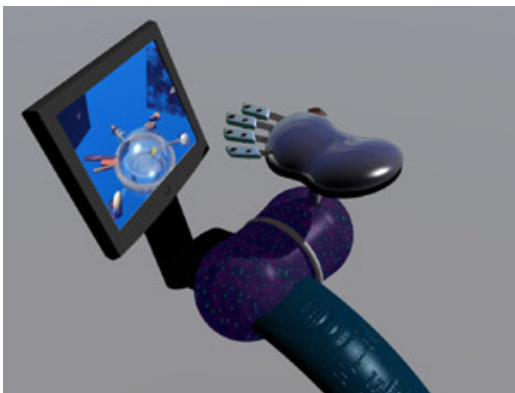
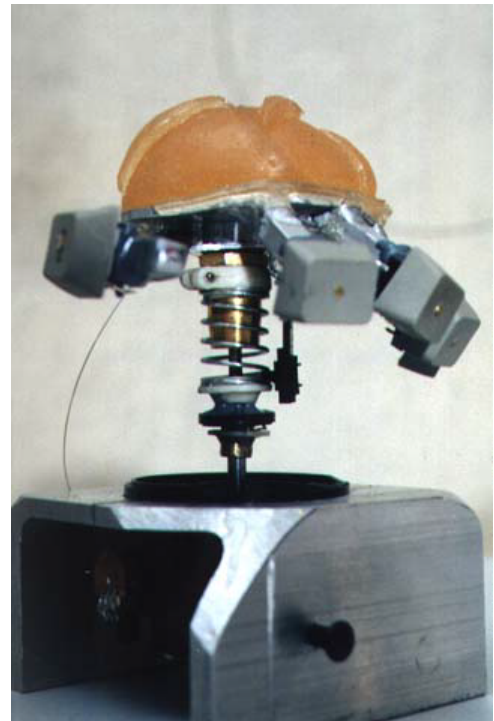
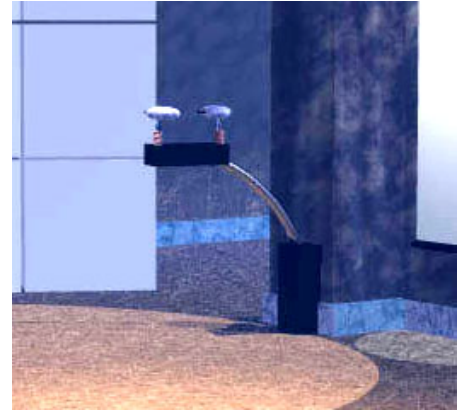
Modular connections for various input devices

Materials: Wood/Aluminum \$300.00

Labor: 16 hrs @ \$100/hr = \$1,600.00

**Total: \$1,900.00**

<b>Total cost of materials:</b>	<b>\$ 3,300.00</b>
<b>Total hours:</b>	<b>56 hours</b>
<b>Total Labor cost:</b>	<b>\$ 5,600.00</b>
<b>Total Design and Prototype cost:</b>	<b>\$ 8,900.00</b>



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