EAH

Mold it Your Own Way

作者：周家汝、彭康豪、蘇柏諺

Introduction:

EAH (Electronic Automatic Handicraft) is a brand new Multi-Touched screen assisted operational 3D graphical system. With its easy and intuitive in/out manner, all users are capable of drawing 3D objects easily.

Figure1. Interface of EAH

EAH Features:

Traditional 3D graphical software are confined by mouse and keyboard. EAH is operated through intuitive gestures. The gesture includes:

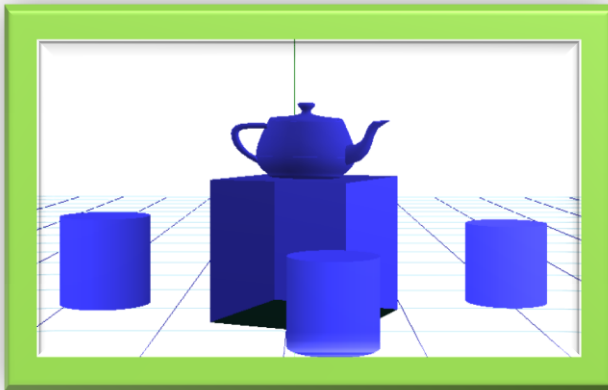| Gesture	Feature	Gesture	Feature
Triangle	△	PADA	◎ ⊛
Circle	◯	LIGHT	⚡
Victory	V	TATAP	◎ ◎
Latch	L	Two Finger Pan	〜

Application of EAH:

3D Games Development
     Mold Clay: use Gestures to mold
3D movies Manufacture
Educational tools
     3D-space mathematical tool
Others out of out imagination

Block Diagram:
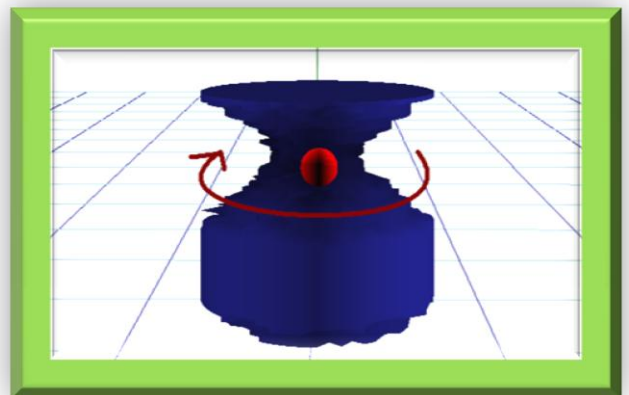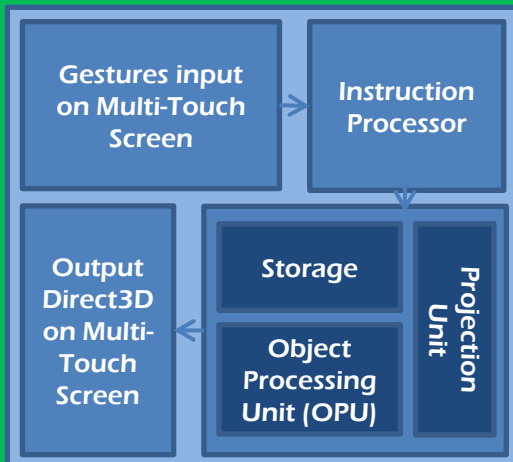
Gestures input on Multi-Touch Screen

Instruction Processor

Output Direct3D on Multi-Touch Screen

Storage

Object Processing Unit (OPU)

Projection Unit

Figure2. Mold Clay