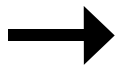


INTRO TO ROKOKO

WHAT IS MOTION CAPTURING (MOCAP)?

**REAL WORLD
MOVEMENT**



**DIGITAL RIG/
CHARACTER**

Rokoko is a company that makes **sensor-based motion capture equipment**. Their mocap suit works in conjunction with custom software to interpret movement data into a rig through a user-friendly interface.

WHY USE ROKOKO?

PROS	CONS
<ul style="list-style-type: none">BEGINNER FRIENDLY fast calibration process and easy re-targeting upon exportACCURACY & REALISMMULTI-FEATURE TRACKING simultaneous tracking of face, hands, and bodySTRONG ONLINE COMMUNITY lots of online resources	<ul style="list-style-type: none">CONNECTIVITY requires a stable Wi-Fi signal to operate"NO" JUMPING the suit does not record jumping effectively resulting in a distorted outcomeMAGNETIC INTERFERENCE presence of metal in floors can impede the sensors

MOTION CAPTURE

USING THE ROKOKO

BRIEFLY HOW TO USE ROKOKO

- 1 CREATE A NEW PROJECT**
In the Rokoko Studio software, open the "Projects" tab, and select "New Project." Name the project and then select "Create New Scene".
- 2 CREATE A NEW ACTOR & CONNECT YOUR TOOLS**
Create an actor, name it & input a height that corresponds to the person wearing the suit. Measure if you are unsure! Once the LED indicators on the tools light up green, drag & drop them onto your actor.
- 3 CALIBRATE THE SUIT**
Calibrate the suit using the "Calibrate" icon in the top tool bar.
- 4 RECORD AND EXPORT**
Record your scene. Review your recording and export your rig as an .BVH or .FBX

TROUBLESHOOTING & TIPS

MALFUNCTIONING SENSORS

1) Do another calibration. **2)** Try disconnecting & reconnecting the suit. **3)** Distance yourself from any metal objects. **4)** If the sensor is still greyed out, please contact the D+TL.

DO NOT PULL AT THE WIRES OF THE SUIT!
They are delicate and tugging can break them.

For more info, consult the Rokoko YouTube & website or watch the LAB's online demo!



INCLUDED TOOLS

ROKOKO SMART SUIT



The suit has 19 sensors equipped with a magnetometer, accelerometer and gyroscope. The collected information is interpreted into rotational & positioning data that is then applied to a rig.



Two Power Packs are provided to wirelessly use the Rokoko. When in use, these must be placed in the designated spine pocket.

ROKOKO SMART GLOVES



The gloves can be used independently or with the Smart Suit. The gloves will replace the single sensor on the top of the user's hand. The gloves plug directly into the suit via USB-C.

ROKOKO HEAD RIG



Face capture is possible through the Rokoko Face Capture app. The D+TL does not provide an ISO device for capturing facial movement.

SOFTWARE & DEDICATED WIFI ROUTER



The D+TL has a Rokoko pro license that includes face capture, gloves and body capture.

! We offer both medium and large suit options: the ideal wearer's height is between 5'6" - 6'. There is a full torso zipper in the center front and velcro cinches at the wrists and ankles.

PROJECT REQUESTS

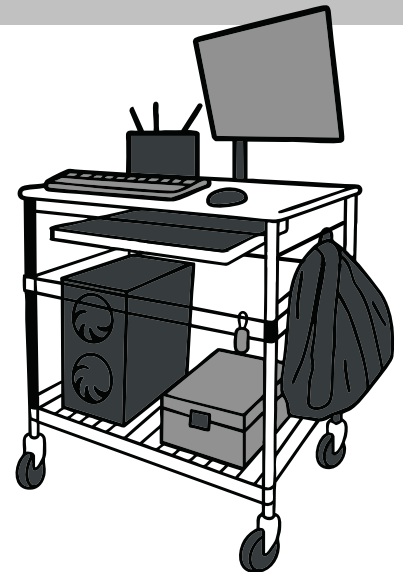
**SUBMIT YOUR ROKOKO
PROJECTS VIA OUR PROJECT
REQUEST FORM.**



ROKOKO KIT

The rokoko motion capture suit lives on a cart that you can borrow and use on campus. This cart comes equipped with a computer, a monitor and a dedicated router.

If you are using the Rokoko suit for an extended period of time, you will be asked to take it home with you to wash. Please ask a technician for assistance in removing the wires and sensors.



The Creative School

Design + Technology LAB