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# Precision 3D Modeling Technology

Tech ID: 33419 / UC Case 2023-739-0

## BRIEF DESCRIPTION

An innovative technology that uses a device to move any imaging device precisely through a path in 3D space, enabling the generation of high-resolution 3D models.

## ADVANTAGES

- Enhanced precision and accuracy in 3D modeling.
- Increased reproducibility due to reduced manual operation.
- Capability to operate with any imaging instrument.
- Expansion of potential applications due to the high precision and versatility of the technology.

### Problems Solved:

- » Limitations in the reproducibility of 3D images due to manual operation.
- » Difficulty in generating high-resolution 3D models from 2D images.
- » Challenges in the perfect alignment of 2D images in 3D space.

## APPLICATIONS

- 3D modeling and design for industries such as architecture, engineering, and design.
- Medical imaging and diagnostic tools.
- Scientific research, particularly in fields that rely heavily on accurate 3D models.
- Gaming and animation industry, particularly those requiring high-resolution models.

## FULL DESCRIPTION

This technology employs a device that can move any imaging instrument (2D or 3D) accurately through a prescribed path in 3D space while the imaging device captures images. The precise path then allows the captured images to be aligned in 3D space, which in turn enables the creation of high-precision and highresolution 3D models of the object being imaged.

## PATENT STATUS

Patent Pending

## CONTACT

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## INVENTORS

- » Browne, Andrew

## OTHER INFORMATION

## CATEGORIZED AS

- » **Engineering**
  - » Engineering
  - » Other
- » **Imaging**
  - » 3D/Immersive
  - » Medical
- » **Medical**
  - » Devices
  - » Diagnostics
  - » Imaging
  - » Research Tools
- » **Research Tools**

RELATED CASES

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ADDITIONAL TECHNOLOGIES BY THESE INVENTORS

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