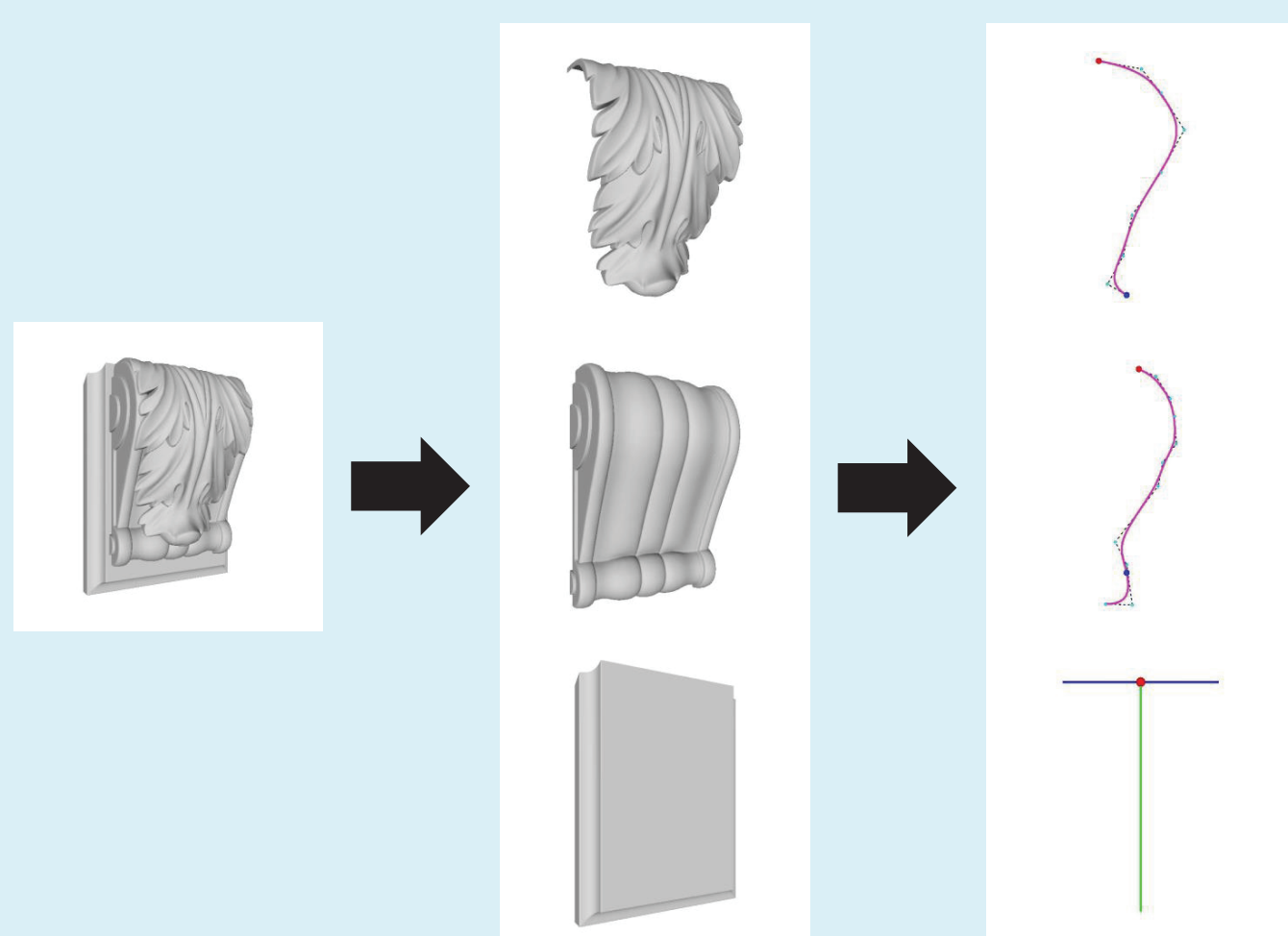


# Intelligent 3D Modelling Using Evolution Principle

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## Offline Data Preparation



### Model Decomposition

- Decoration
- Main Body
- Base

### Feature Extraction & Representation

### Machine Learning

- BézierGAN
- 3D VoxelGAN

## Creation of New Models

### New Model Generation

- Enquire new decoration
- Generate new feature curve for main body
- Deform main body and decoration based on new feature curves
- Combination of three components

### Creative Corbel Modeller

- Generate multitude of new models based on previous selection

