

Crafting Reality

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DIGITAL  
FABRICATION  
&  
MODEL MAKING

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EGYPT • KSA

# NANO MODELS

Precision Engineering  
Design Craftsmanship



# Who We Are

We are a digital fabrication and model-making studio where **precision engineering** meets **design craftsmanship**.

## Our Core

Every model we create helps people understand a project faster and more clearly. It supports design reviews, approvals, presentations, and confident decision-making

## Our Mission

To deliver high-precision architectural models and digital fabrication solutions that help ideas become clear, tangible, and actionable for stakeholders.

## Our Vision

To become the trusted reference in architectural model making and digital fabrication, bridging Cairo and Riyadh to the wider region.

# What We Do

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Engineering **Precision** into  
Physical Reality.

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- **Digital Fabrication**

Specialized solutions for architecture and brand experiences, bridging the gap between digital files and physical form.

- **Architectural Model Making**

From conceptual study models to high-fidelity presentation pieces for sales centers and competitions.

- **3D Printing & Prototyping**

Rapid production of prototypes and functional components using advanced additive manufacturing technologies.

- **Laser Cutting & Signage**

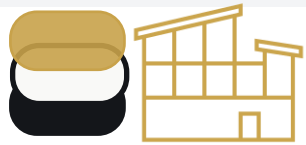
Precision cutting and finishing for custom signage, wayfinding, and large-scale installations.

# Our Services

Comprehensive fabrication solutions tailored to your needs



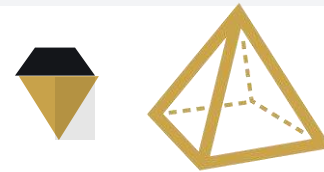
[Service Overview](#)



01

## Architectural & Concept Model Making

Early-stage massing and design exploration models that facilitate faster decision-making. We help architects visualize volume and spatial relationships before final commitment.



02

## Branding, Sculpting, And Display Fabrication

Using advanced digital fabrication, 3D printing, and laser cutting, we deliver durable installations that support branding, exhibitions, and public-facing spaces.



03

## Exhibition Models & Installations

Museum-quality and event-grade models built for storytelling. Durable finishes and interactive elements suitable for trade shows, public exhibitions, and large-scale presentations.



04

## 3D Printing & Rapid Prototyping

Accurate, functional parts and prototypes to validate design and production planning. Leveraging advanced additive manufacturing for rapid testing and complex geometries.

# Where We Operate

Egypt & KSA hubs serving the MENA region

## ■ Cairo, Egypt

Main Production Hub

Serving North Africa and Mediterranean projects with full-scale fabrication capabilities.

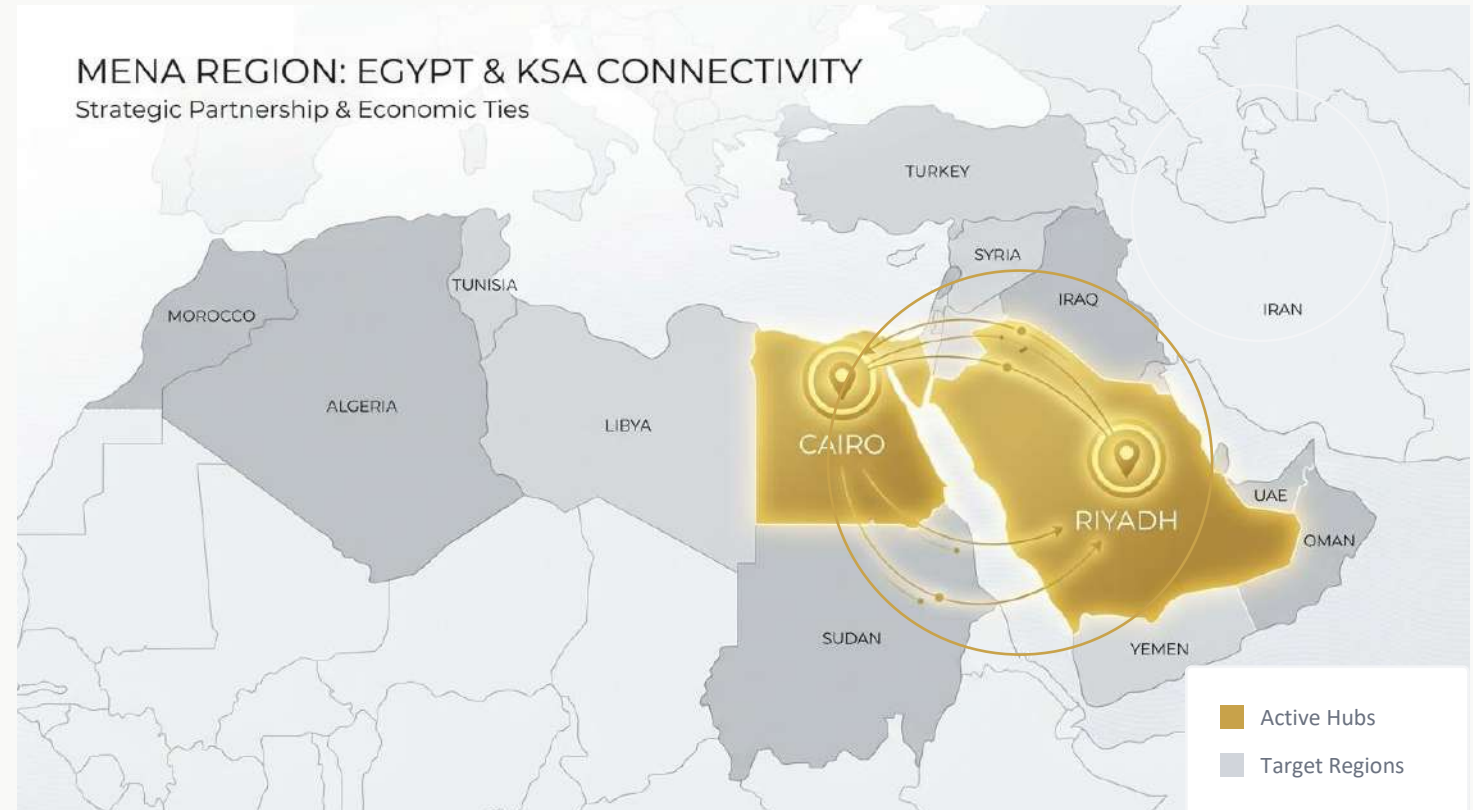
## ■ Riyadh, KSA

Strategic GCC Hub

Dedicated facility supporting Giga-projects, ministries, and major developments across the Kingdom.

### Expansion Roadmap

Actively expanding operations across MENA & Africa to support international stakeholders.



# Who We Serve

Trusted by industry leaders to deliver **precision & impact**

01

## Architects & Design Studios

Translating complex blueprints into excellent models for competitions and client reviews.

02

## Real Estate Developers

High-fidelity sales models that visualize lifestyle and accelerate sales.

03

## Government Entities

Strategic masterplan models for urban planning, infrastructure, and public sector initiatives.

04

## Healthcare Institutions

Medical facility planning models and anatomical prototypes for educational use.

05

## Brands & Marketing

Bespoke promotional sculptures, awards, and activation assets that define brand` identity.

06

## Cultural & Event Organizers

Museum exhibits and event installations designed for public engagement and storytelling.

# Why We're Trusted

Built on four pillars of **professional excellence**



## Precision You Can Rely On

Exacting detail, material quality, and dimensional accuracy. We treat every micron as critical to the final impact of your presentation.



## Advanced Digital Fabrication

We use industrial-grade 3D printing, CNC, and laser technologies to produce durable, presentation-ready models with exceptional detail.



## Clear Communication

Our models simplify complex ideas, helping teams communicate clearly, reduce risk, and move forward with confidence.



## Real-World Experience

Proven across complex projects. From architectural developments and exhibitions to cultural, healthcare, and government projects, our models support approvals, investors, and stakeholders.

# Portfolio Impact

Delivering tangible **value & results** for stakeholders



Value Proposition

## Crystal Clarity

Enable non-technical stakeholders to instantly grasp complex architectural designs and spatial relationships.

## Accelerated Approvals

Secure buy-in faster from investors and government bodies by presenting physical evidence of design intent and quality.

## Marketing Success

Support high-impact launches and exhibitions with museum-grade models that become the centerpiece of your sales strategy.

## Scalable Quality

From single prototypes to large-scale urban masterplans, maintain consistent precision and finish quality across all deliverables.



# Projects

Delivering tangible **value & results** for stakeholders

## Horizon Smart City – Dubai, UAE

A visionary smart city prototype showcasing futuristic infrastructure, sustainable living, and innovative urban spaces in remarkable detail.

**Client: Horizon Smart Cities**

**Project Type: Smart City & Urban Development**



NANO  
MODELS

# Projects

Delivering tangible **value & results** for stakeholders

## Heritage Landmarks Authority – Cairo, Egypt

This project involved the creation of a high-precision architectural model representing historically significant landmarks, developed to preserve cultural identity while ensuring architectural accuracy and material authenticity. The model was designed to serve as a long-term reference and a visual communication tool for heritage documentation, presentation, and public engagement.

**Client: Heritage Landmarks Authority**

**Project Type: Cultural & Heritage Preservation**



# Portfolios

Delivering tangible **value & results** for stakeholders

## Our portfolio includes:

**Tourism & Recreation Models**

**Residential Models**

**Urban Models**

**Industrial & Logistic Models**

**Commercial Models**

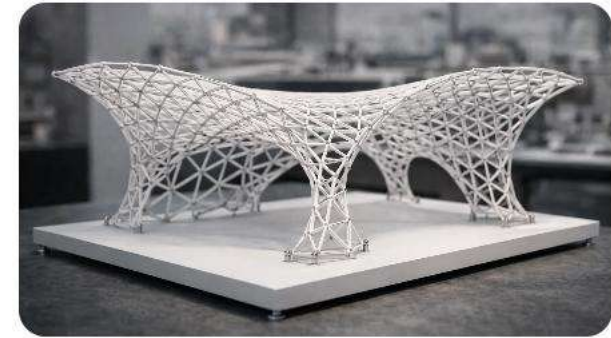
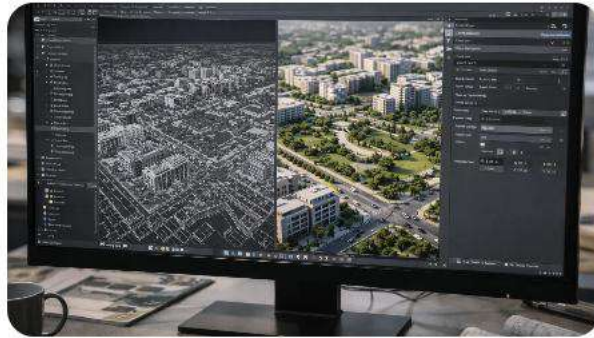
**And More...**

Digital, Educational, and Abstract Models

# Portfolios

Delivering tangible **value & results** for stakeholders

## Overview of Examples



# Portfolio

## Tourism and Recreation Models

We create detailed scale models for tourism resorts, recreational facilities, and hospitality developments. Our models help investors and developers visualize and present large-scale leisure projects with clarity and impact.



# Portfolio

Tourism and Recreation Models



# Portfolio

Tourism and Recreation Models



# Portfolio

Tourism and Recreation Models



# Portfolio

Tourism and Recreation Models



# Portfolio

## Residential Models

We design and fabricate high-precision residential scale models for developers, architects, and real estate projects across Egypt and the GCC. From villa compounds to high-rise towers, our models bring residential concepts to life with exceptional detail and craftsmanship.



# Portfolio

Residential Models



# Portfolio

Residential Models



# Portfolio

Residential Models



# Portfolio

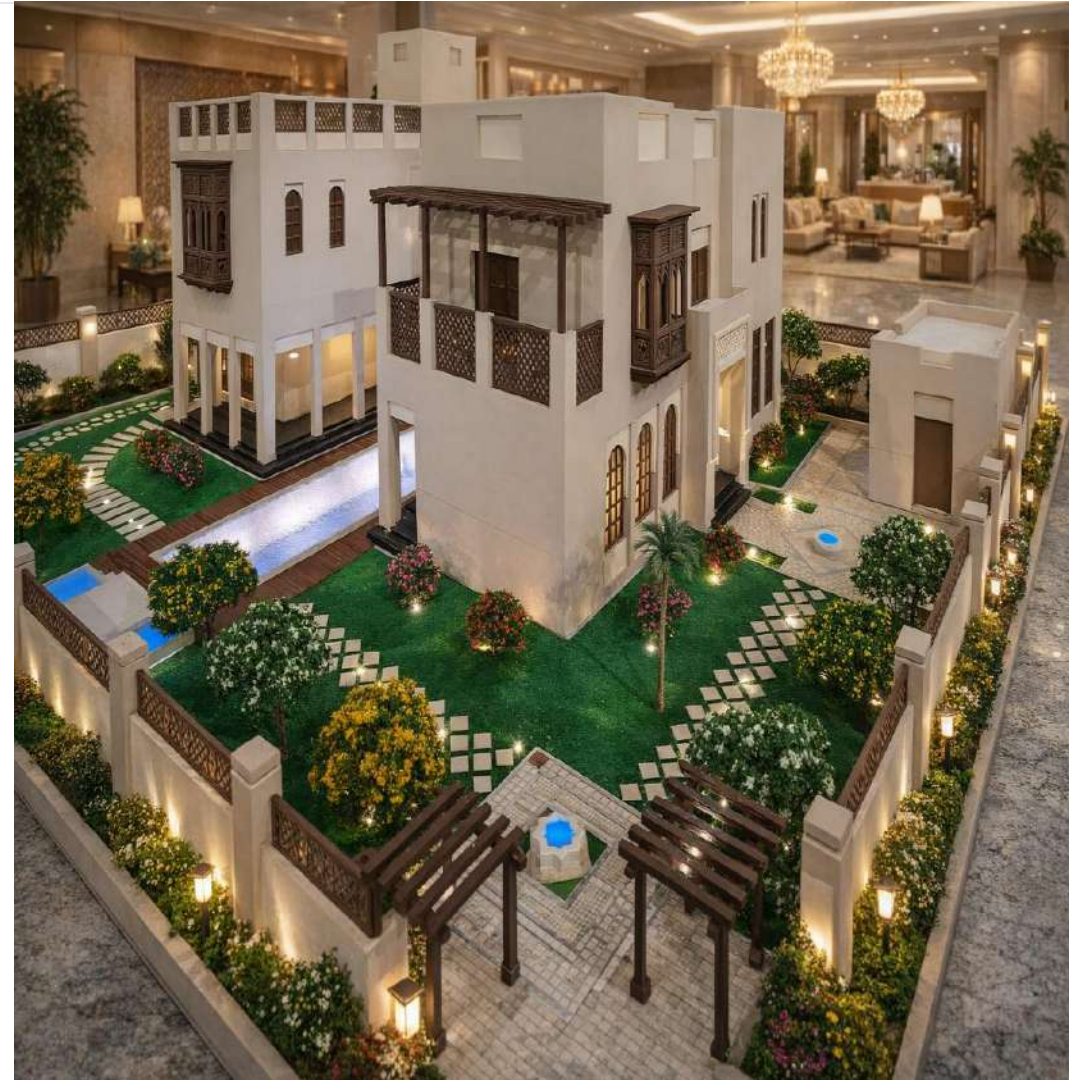
## Residential Models



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AI QUAD CAMERA

# Portfolio

## Residential Models



# Portfolio

## Urban Models

We produce large-scale urban planning models for city districts, master plans, and infrastructure projects. Our urban models are trusted by government entities, urban planners, and developers to communicate complex development visions



# Portfolio

Urban Models



# Portfolio

Urban Models



# Portfolio

Urban Models



# Portfolio

Urban Models



# Portfolio

Urban Models



# Portfolio

## Industrial and Logistic Models

We fabricate precise scale models for industrial facilities, warehouses, logistics hubs, and manufacturing plants. Our models support project planning, stakeholder presentations, and facility design reviews.



# Portfolio

Industrial and Logistic Models



# Portfolio

Industrial and Logistic Models



# Portfolio

## Education & Academic Models

We design and build scale models for universities, schools, libraries, research centers, and academic campuses. Our educational models help institutions present expansion plans, attract funding, and communicate their vision to stakeholders.



# Portfolio

Industrial and Logistic Models



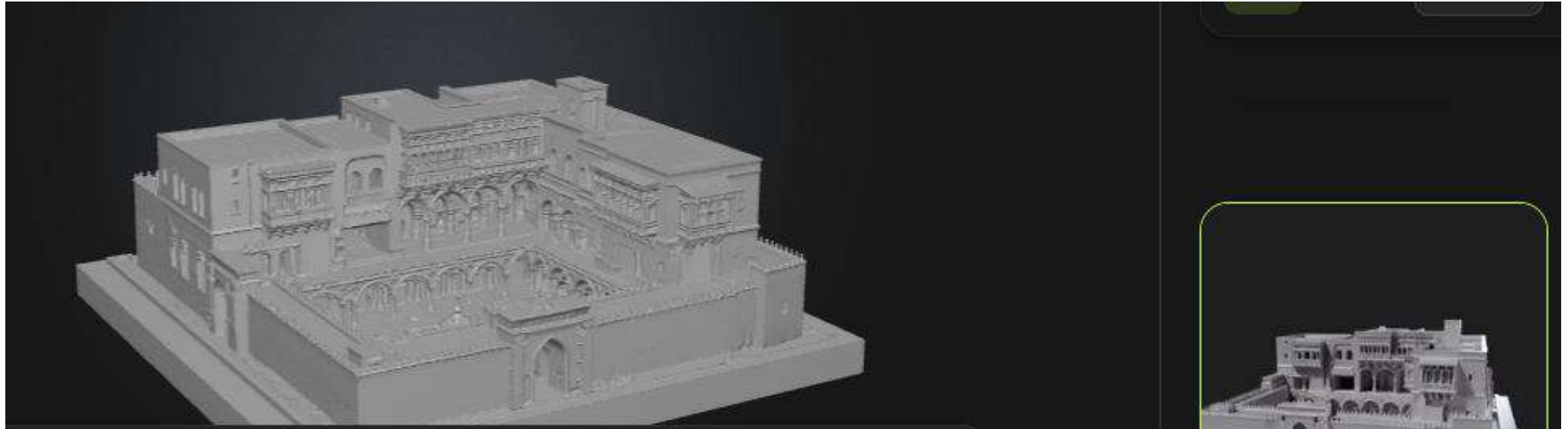
# Portfolio

Education & Academic Models



# Portfolio

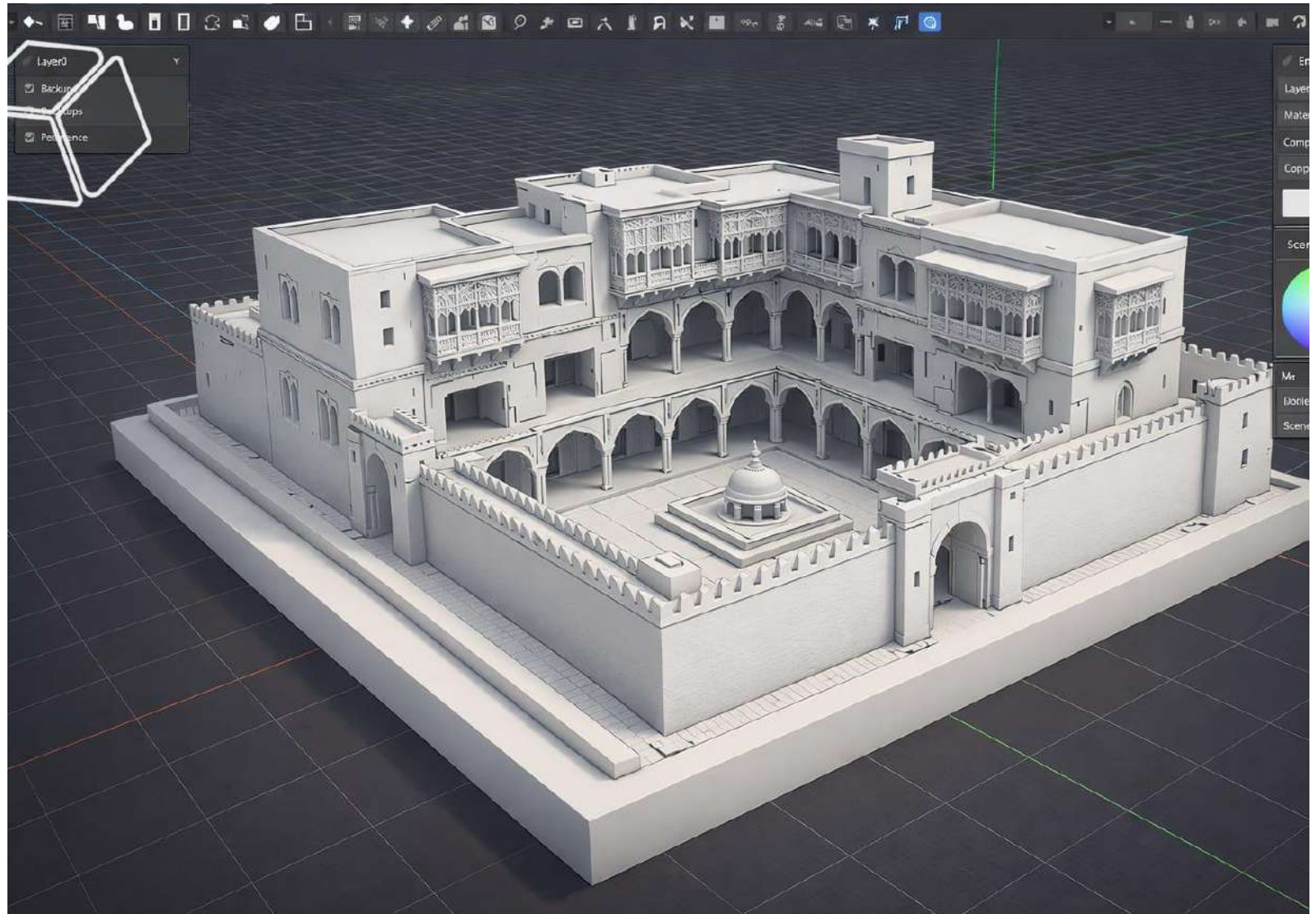
## Digital Models



We produce high-quality 3D digital models and visualizations for architectural, urban, and product design projects. Our digital models offer an accurate and immersive representation of your project before physical fabrication begins.

# Portfolio

Digital Models



# Portfolio

Digital Models



# Portfolio

Digital Models



# Portfolio

## Commercial

We fabricate scale models for commercial towers, business districts, mixed-use developments, and administrative complexes. Our models are used by developers and investors to showcase projects at exhibitions, sales centers, and boardroom presentations



# Portfolio

Commercial



# Portfolio

Commercial



# Portfolio

Commercial



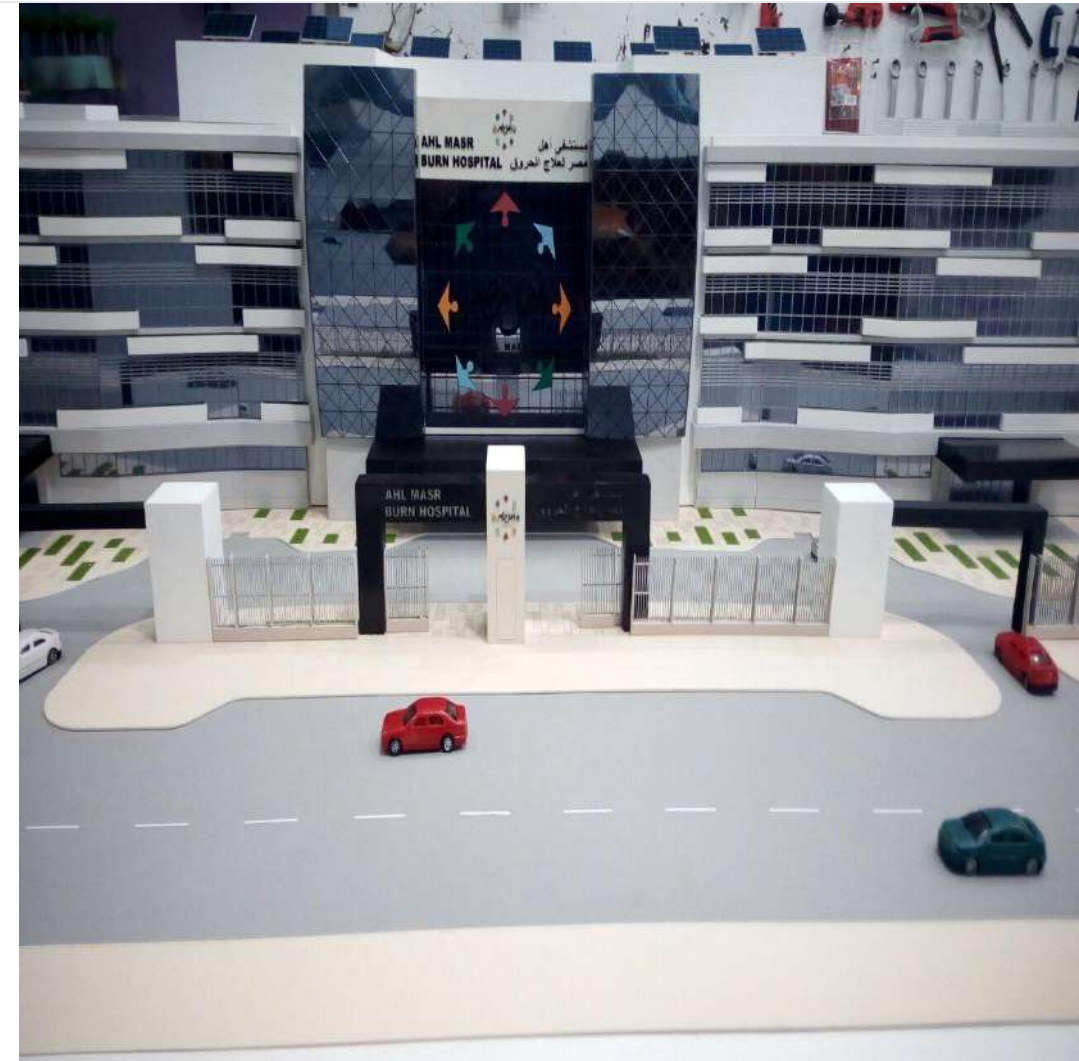
# Portfolio

Commercial



# Portfolio

Commercial

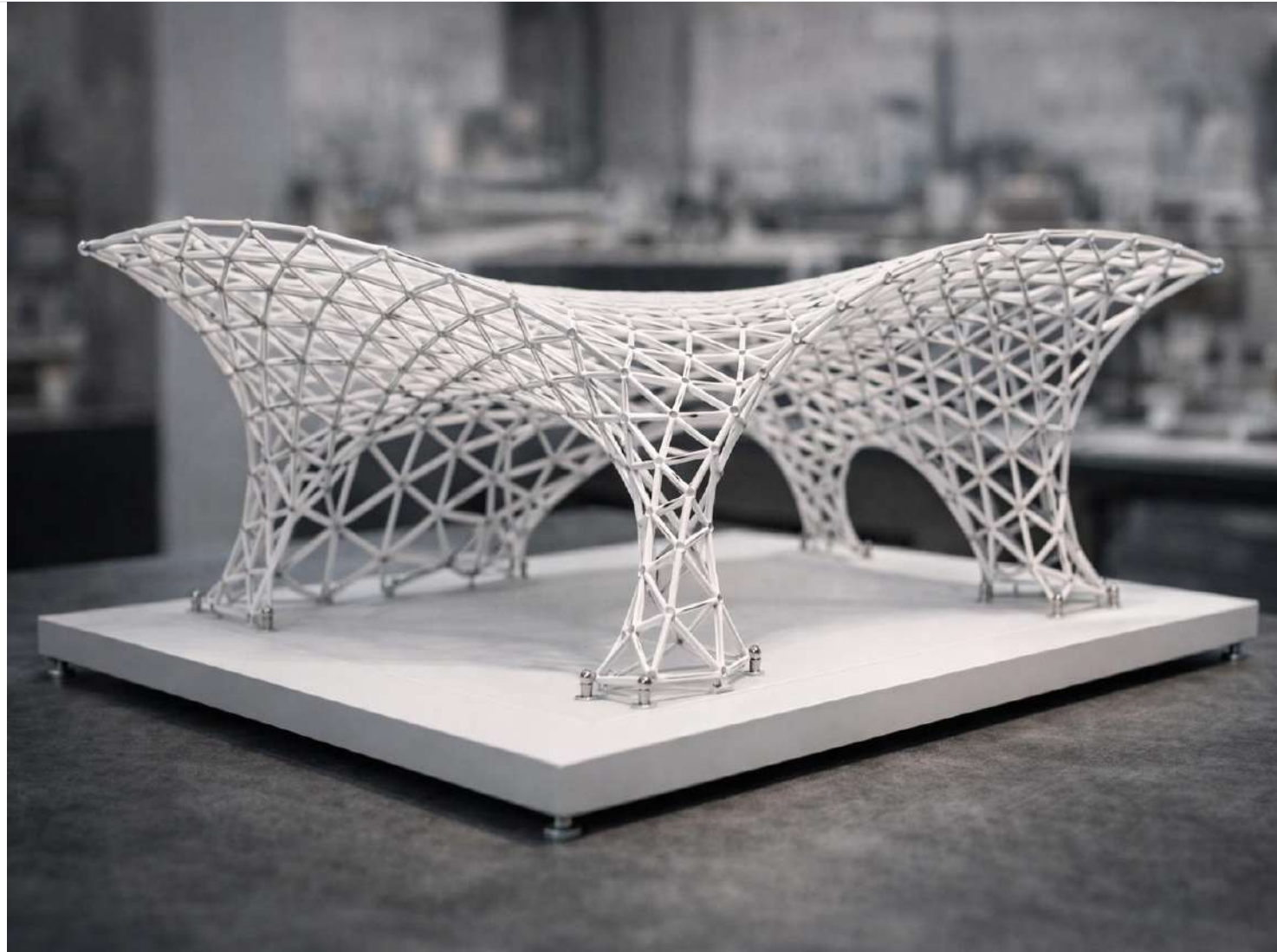


# Portfolio

## Abstract Models

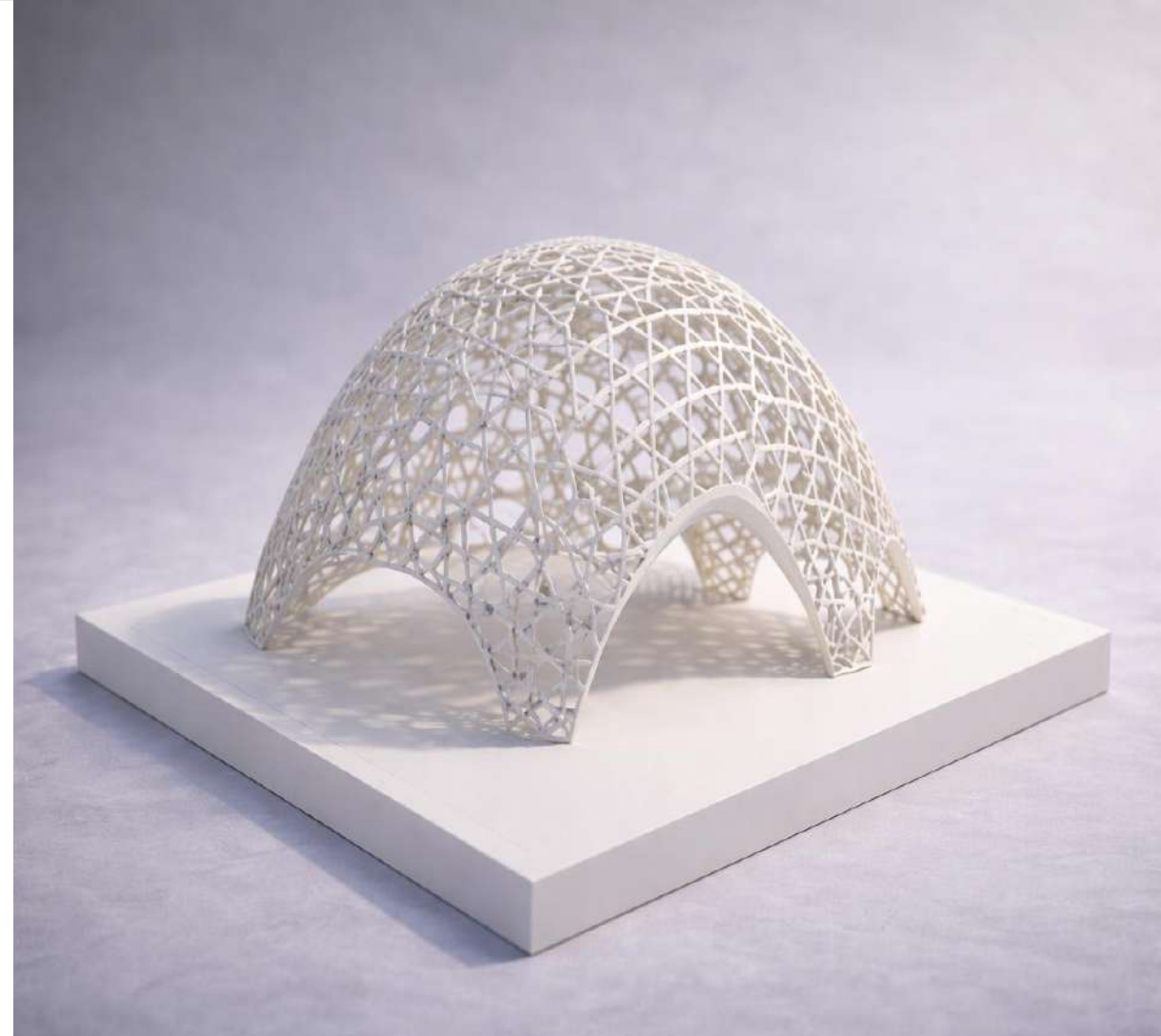
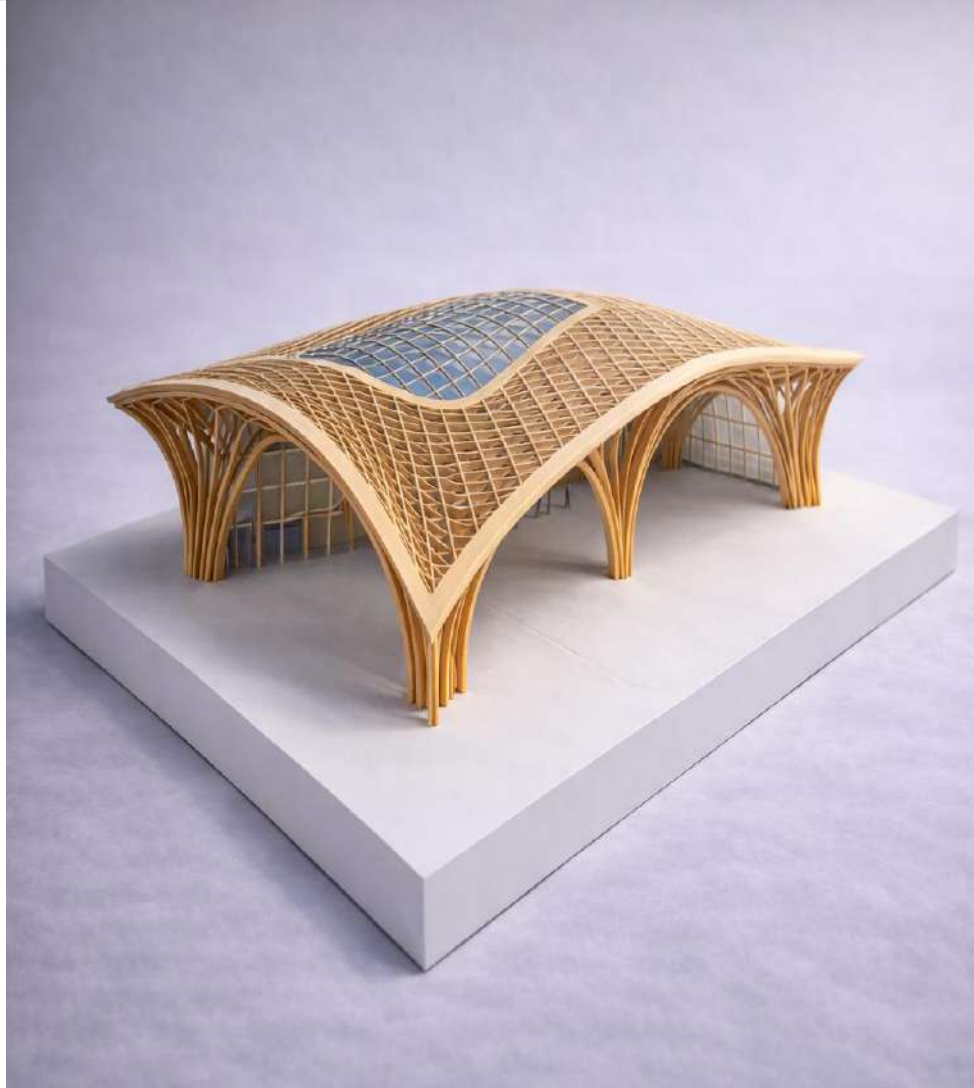
We create custom abstract and conceptual engineering models for research, exhibitions, and creative projects.

From structural systems to mechanical components, our abstract models communicate complex engineering concepts with precision and artistry.



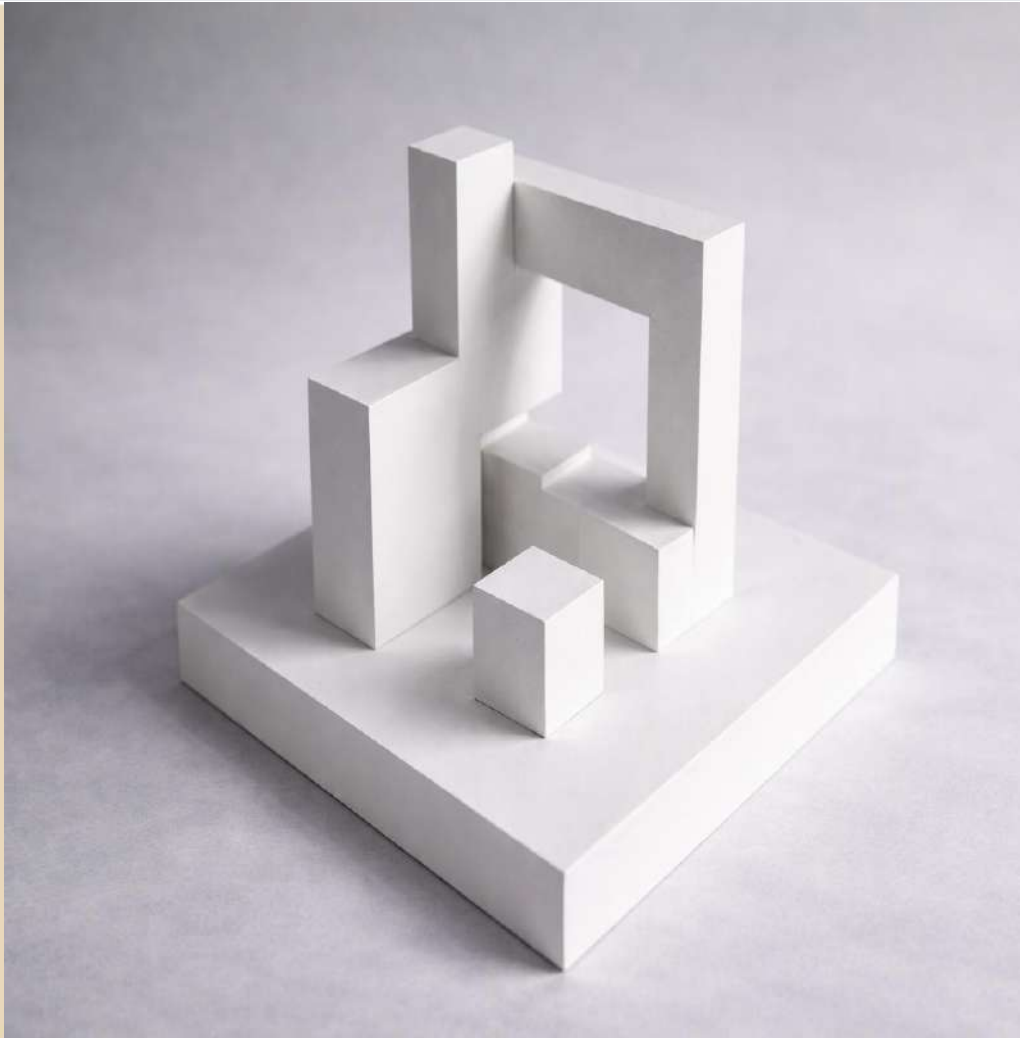
# Portfolio

Abstract Models



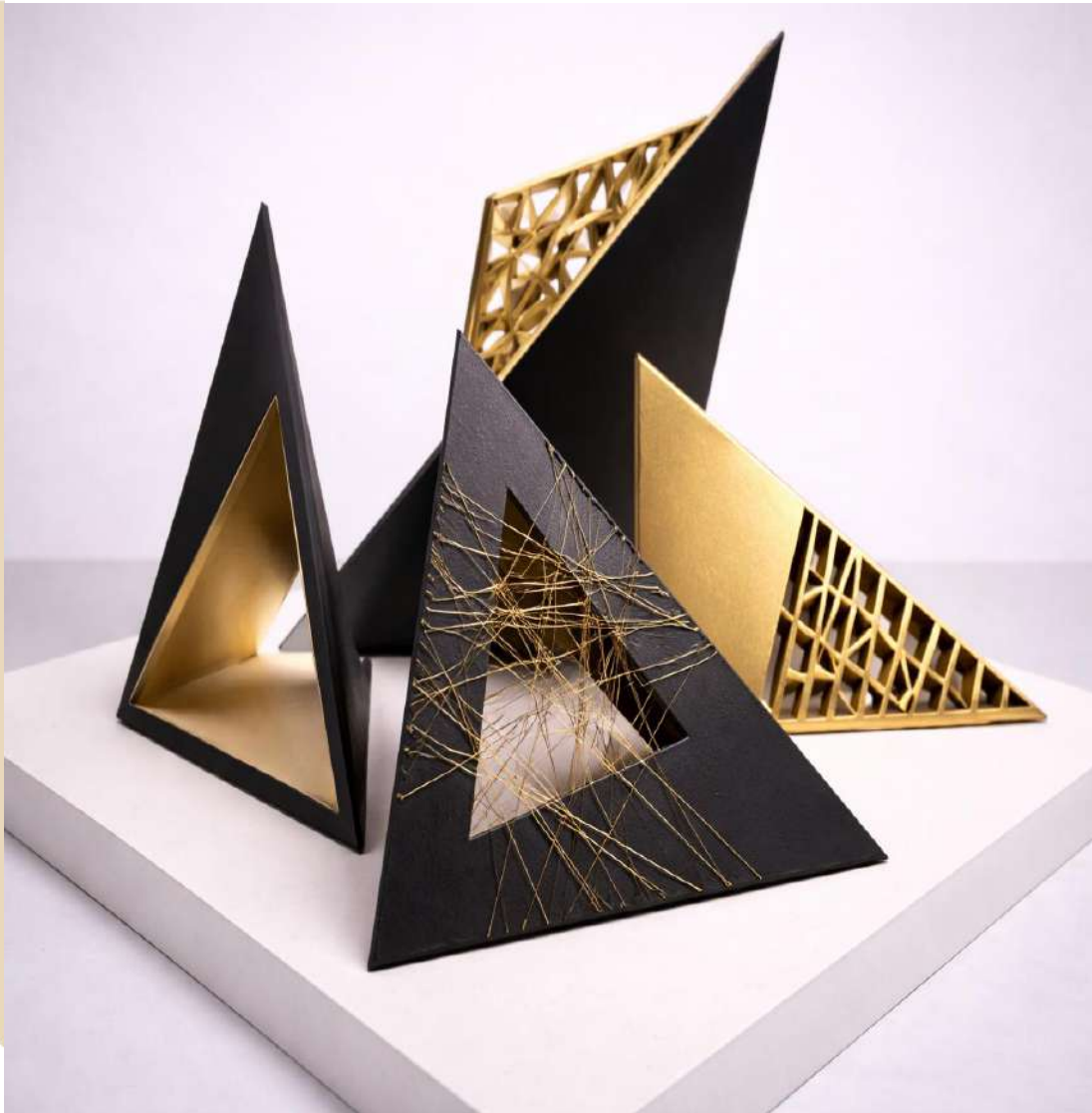
# Portfolio

Abstract Models



# Portfolio

Abstract Models

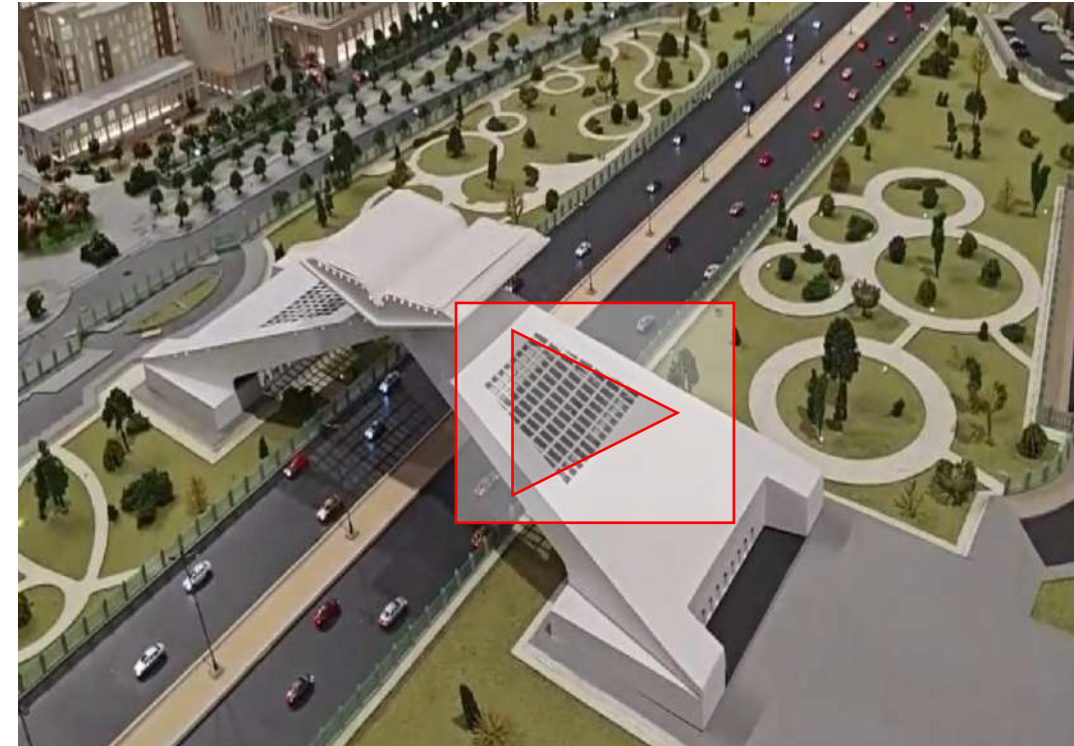


# Fabrication

Step by Step examples



Project Example



Finished Examples

# How We Work

Seamless 5-step engagement process

01



Consultation

02



Scope & Specs

03



Prototype

04



Fabrication

05



Delivery



## Support Throughout

Dedicated project manager assigned to every client.



## Iterative Review

Regular milestones for approval and feedback.

## Start Your Project

# Let's Build the Future

Partner with Nano Models to bring your vision to life with precision, speed, and uncompromising quality.



### Call Us

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### Email

Project Inquiries

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### Visit Us

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