



ULTRATEC

3D Printing

# Introduction

Ultratec 3D is a leading provider of high-quality 3D printing services in Dubai. Established three years ago, the company has quickly made a name for itself in the market by delivering top-notch 3D printing services to its clients. With a commitment to excellence and a customer-centric approach. Whether you're looking to create prototypes, models, or custom parts, Ultratec has the expertise and equipment to deliver the results you need.

Our range of services includes:

- 3D Design Services
- 3D scanning & Reverse Engineering
- Additive Manufacturing
- Product development
- Automation Engineering Design
- Paint and Finish processing
- Styrofoam Carving

We are also providing custom solutions for our customers regarding their needs and their targets, including mechatronics customized solutions integrated with 3d printed models.

WATCH THE VIDEO



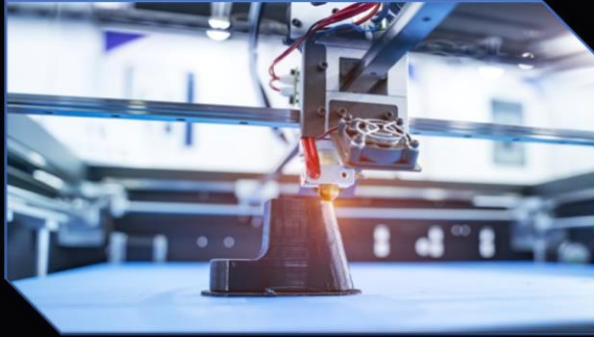
Atmosphere Restaurant Artistic signage - Burj Khalifah -Level 122

# Key Clients

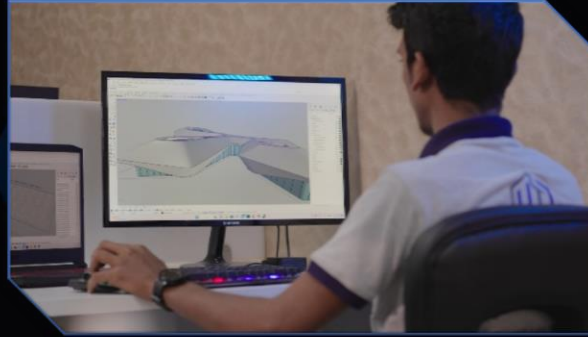




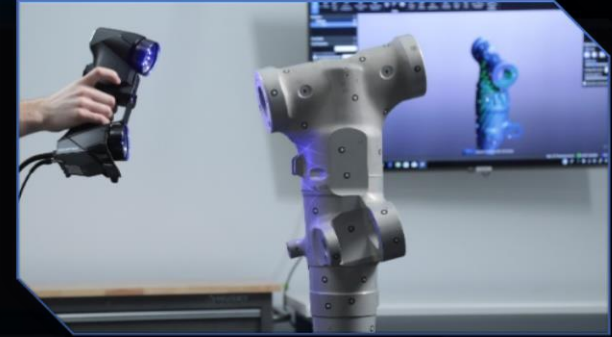
# — Our Services



3D Printing



Engineering Design



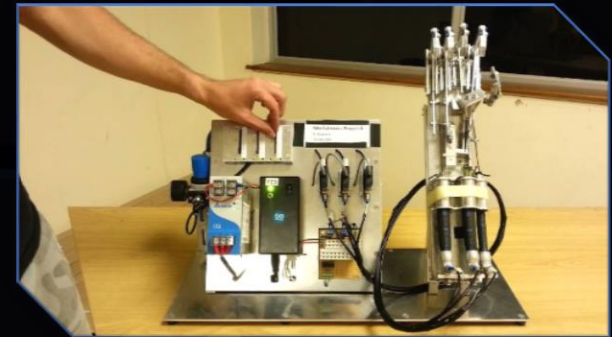
3D Scanning



Post Processing



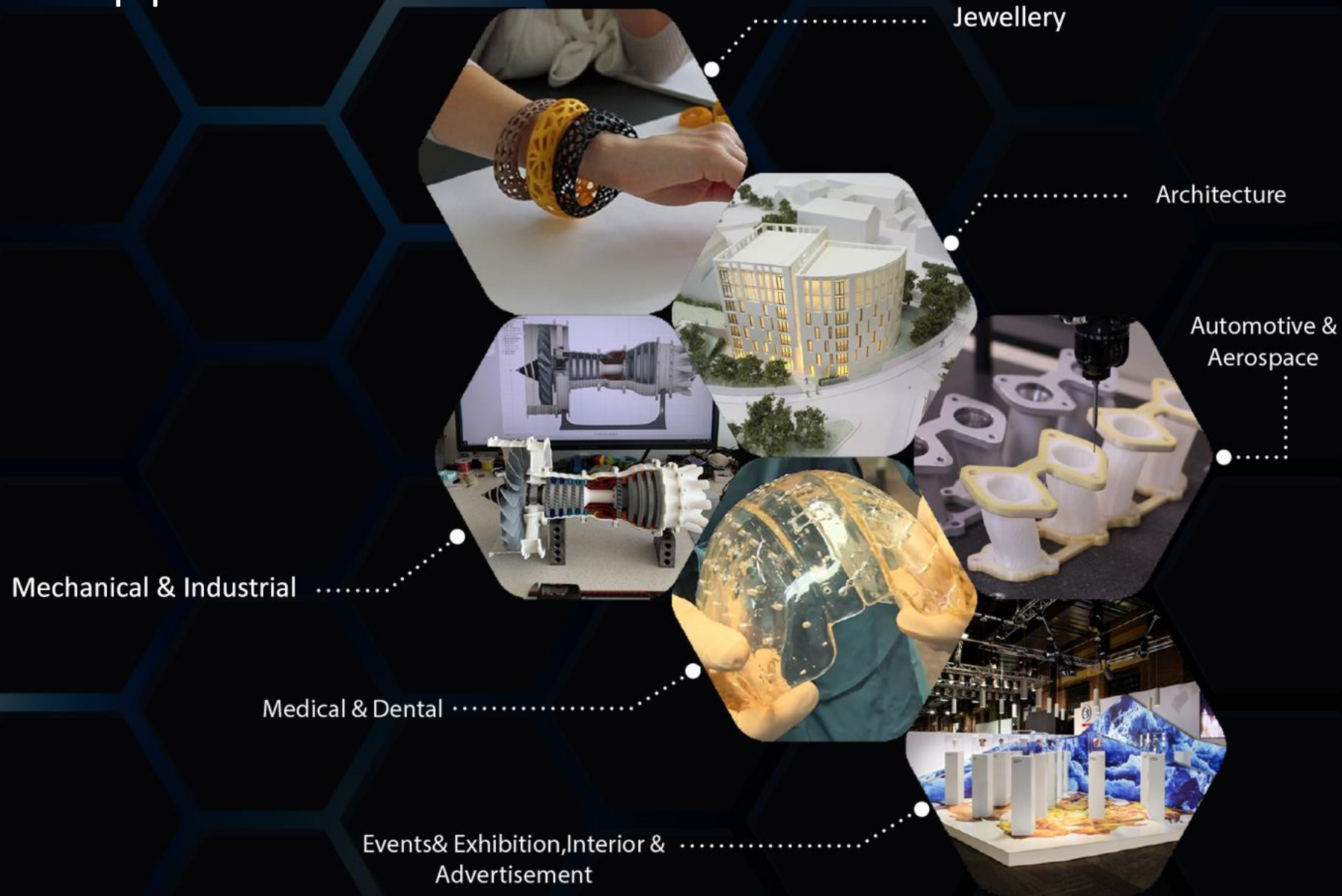
Product Development



Mechatronics Engineering



# Applications



# Technology





# Materials





# Materials

## Alloys

Starbond Ti5



Cobalt-Based Alloys



Pure Titanium and Titanium Alloy



Cobalt-Chromium Alloy



High Strength Stainless Steel



# Benifets



DECORATIONS



# At.mosphere Restaurant Signages

**Project Details:** Atmosphere restaurant renovation with artistic signages including treasure scenes & functional rotating plants gear system - Burj Khalifah -Level 122

**Technology Used:** SLA, SLS, FDM

**Materials:** Resin, Gold plated, real diamonds.

WATCH THE VIDEO



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3D Printing

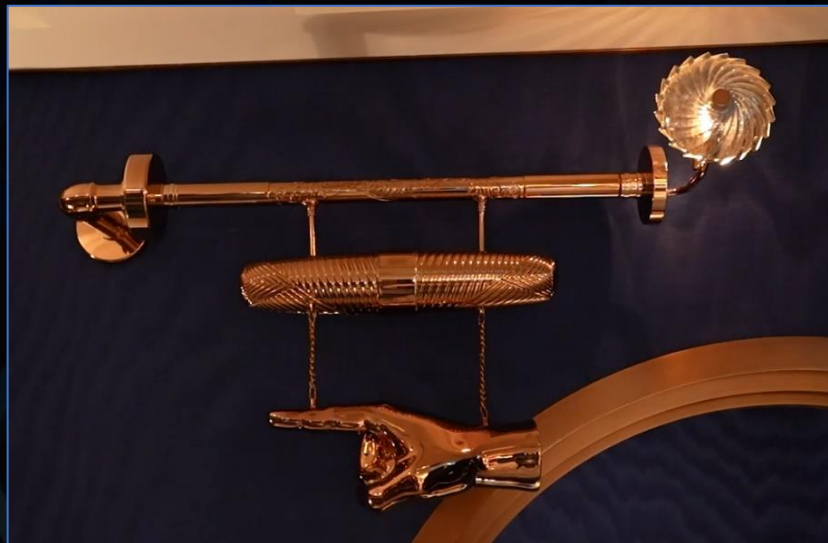
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DECORATIONS

01



# At.mosphere Restaurant Signages





# — Coral — Dell Gitex

**Project Details:** 3D Printed Coral used to demonstrate saving sea life.

**Technology Used:** FDM, SLA | **Size:** 80CM Height

**Materials:** ABS, Resin



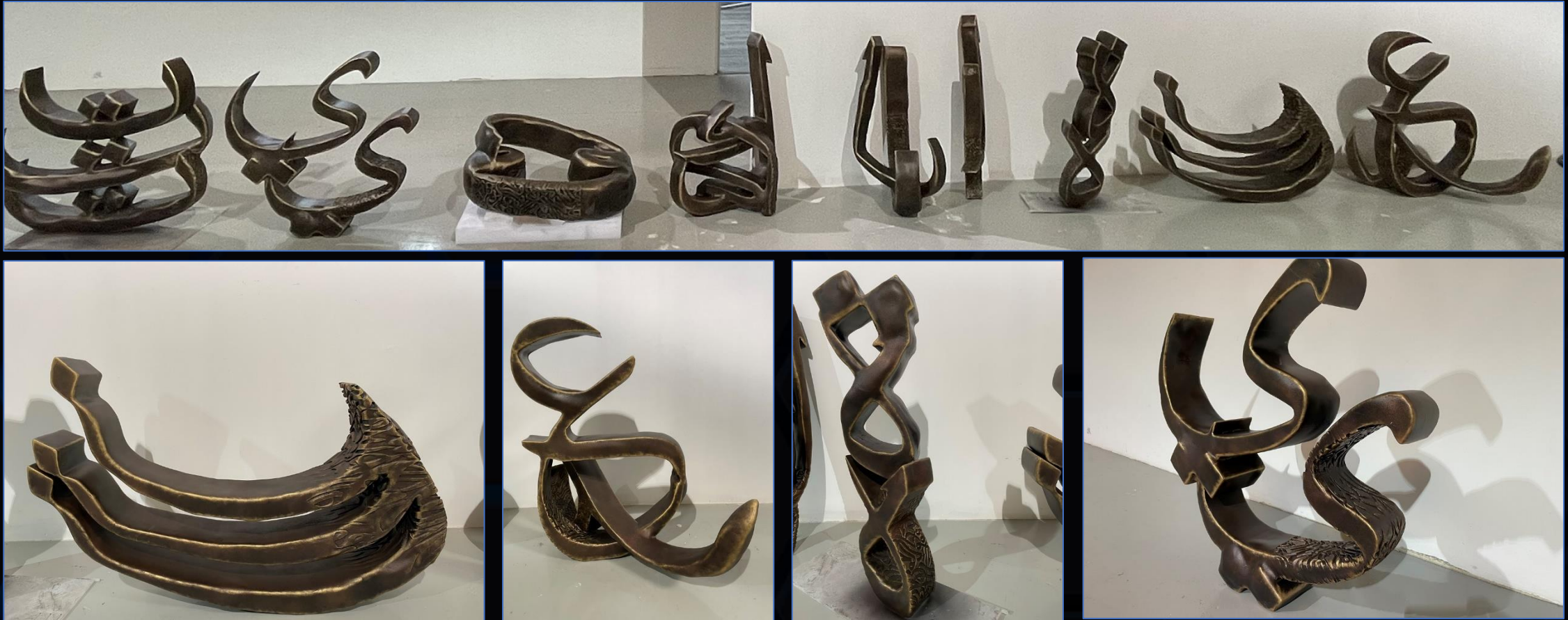


# Arabic 3D Typography – Grand Hayat Hotel

**Project Details:** 3D Printed Arabic letters is placed in Grand Hayat hotels Lobby.

**Technology Used:** FDM | **Size:** 60cm Height

**Materials:** ABS

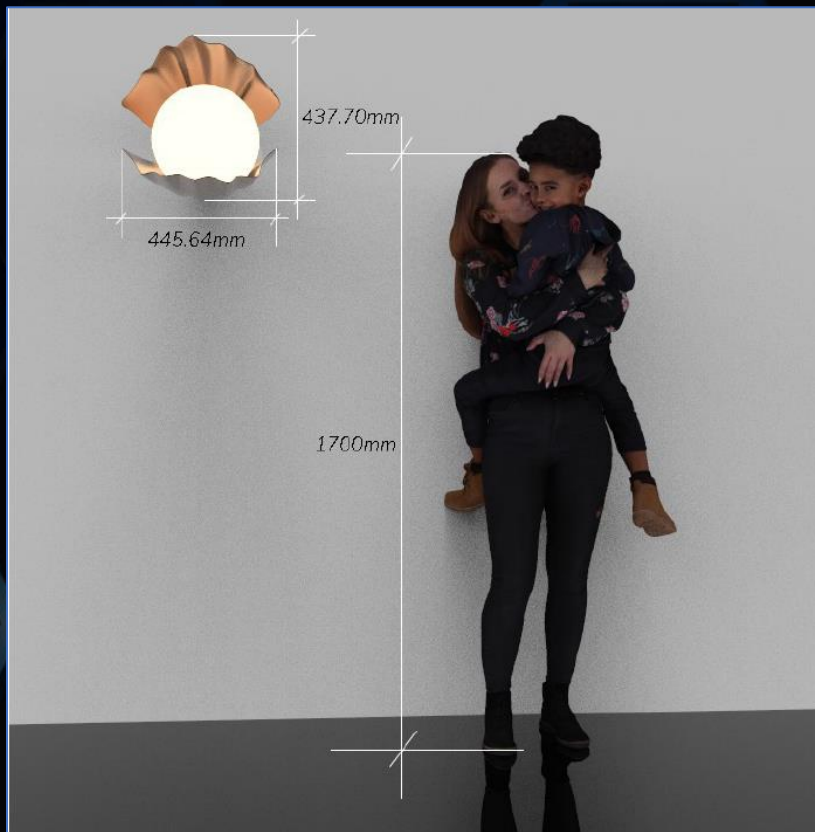


# — Restaurant Sea Shell Lamps

**Project Details:** 3D Printed sea shell shaped wall mounted lamps

**Technology Used:** FDM

**Materials:** ABS, Metallic Finish





# 53 Restaurant

**Project Details:** 3D Printed decorative setting area for social media shots

**Technology Used:** FDM

**Materials:** ABS, Steel Structure





# — Eagle Vroni Statue

**Project Details:** 3D Printed eagle art piece in Vroni design style

**Technology Used:** FDM | Size: 160CM Height

**Materials:** ABS, Silver Plated





# — Picasso 3D Painting

**Project Details:** 3D Printing Picasso's most famous painting in 3D

**Technology Used:** FDM | **Size:** 120 cm X 60 cm , with real gold foil plating

**Materials:** Resin, Gold plated





# — Coral — Expo 2020

**Project Details:** 3D Printing of coral demonstrating sustainability

**Technology Used:** FDM | **Size:** 180 cm

**Materials:** Recycled PLA



# Light Pendant

**Project Details:** Bat inspired Light Design for decoration

**Technology Used:** SLA

**Materials:** Resin, Gold plated

WATCH THE VIDEO





# — Villa Stairs Pillars

**Project Details:** 3D Printed pillars with ceramic finish, Size: 1000mm x 450mm

**Technology Used:** FDM

**Materials:** ABS, Ceramic Finish



# Perfume Stand Sculpture 100 nos

**Project Details:** 3D Printed perfume stand, Size: 60CM Height

**Technology Used:** FDM

**Materials:** ABS, Smooth Finish





# ARCHITECTURE

The word "ARCHITECTURE" is rendered in a large, bold, sans-serif font. The letters are filled with a detailed architectural model of a city, featuring various building heights and structures. The model is set against a dark background with a subtle hexagonal pattern. The word is split across two lines: "ARCHI" on the top line and "TECTURE" on the bottom line. The letters are white with a slight shadow, giving them a three-dimensional appearance as if they are floating above the model.

# MOI / KSA - GITEX

**Project Details:** 3D Model of Mecca City for our client at MOI KSA Stand in GITEX Exhibition, to be used to demonstrate the new system of the Umrah and Haj visas.

**Technology Used:** SLS | Size: 200cm X 80cm, includes around 500 buildings.

**Materials:** NYLON PA12



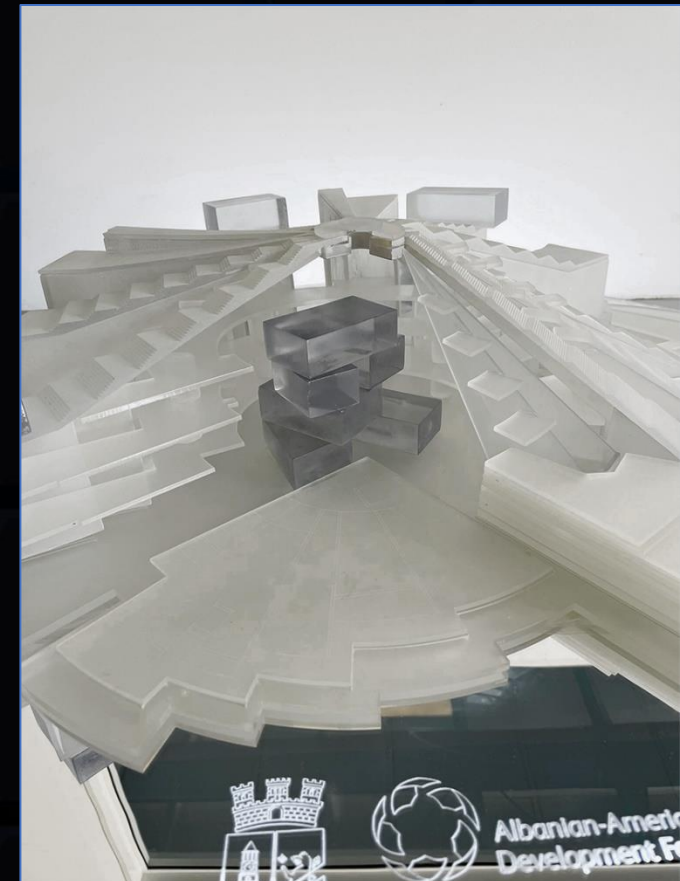
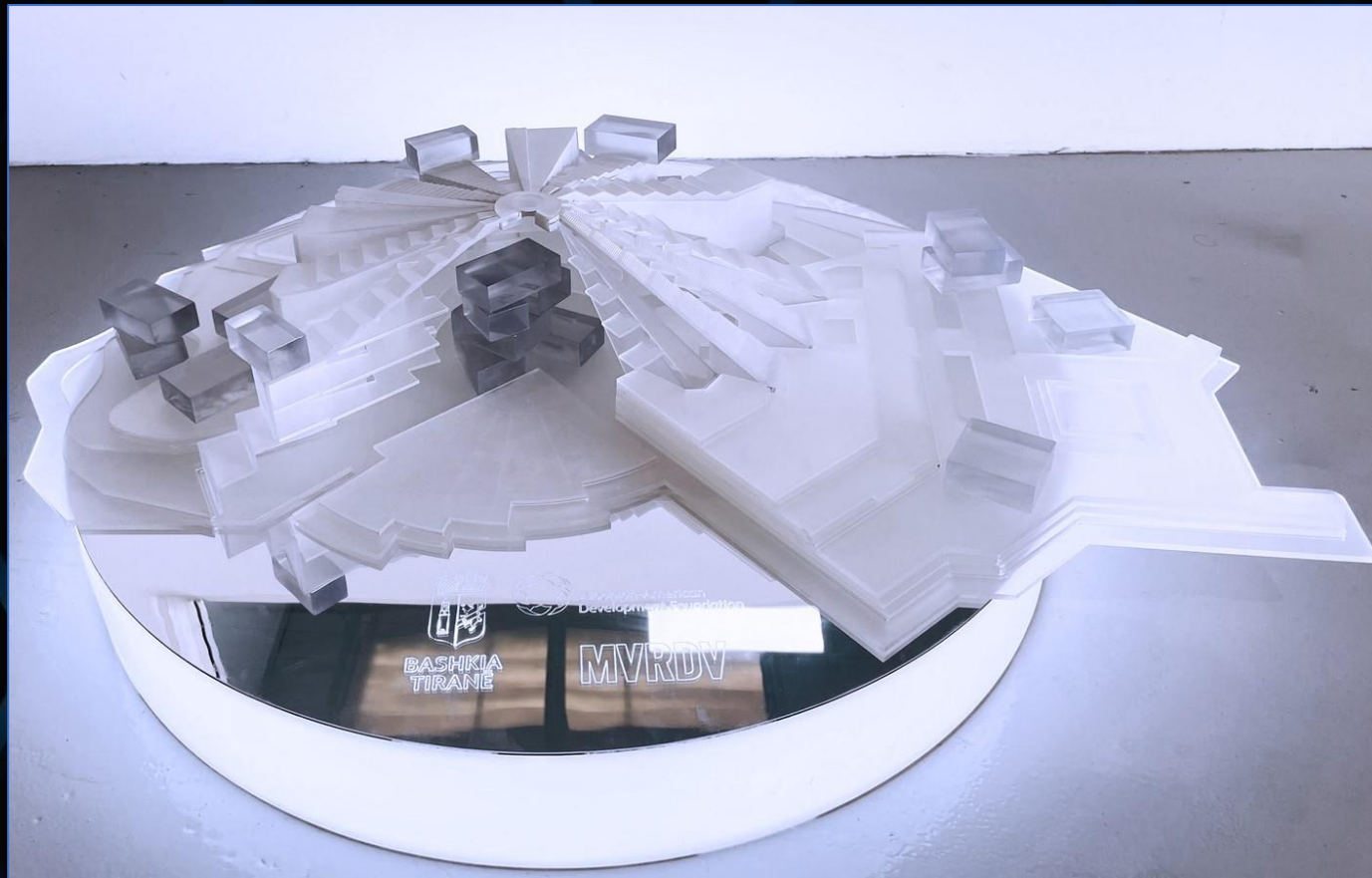


# Pyramid of Tirana – EXPO 2022

**Project Details:** The Pyramid of Tirana 3D Model made out of frosted Resin with 8K Printing resolution, manufactured and supplied to The Albanian pavilion at Dubai Expo 2020 .

**Technology Used:** SLA | **Size:** 1m x 1m

**Materials:** Resin, Acrylic

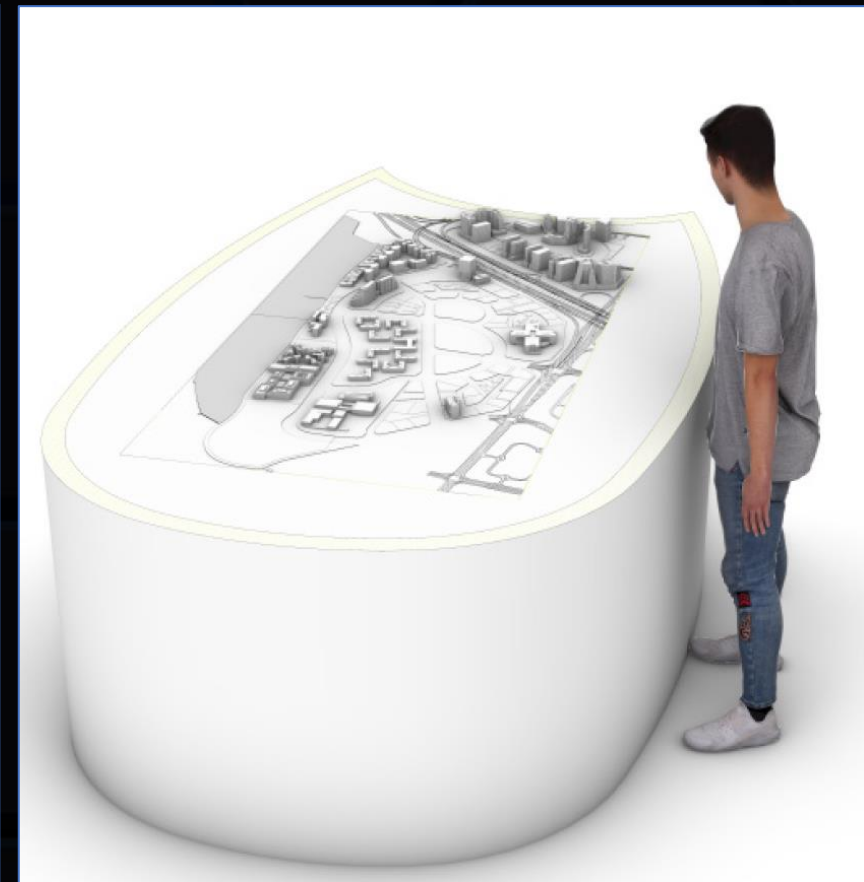
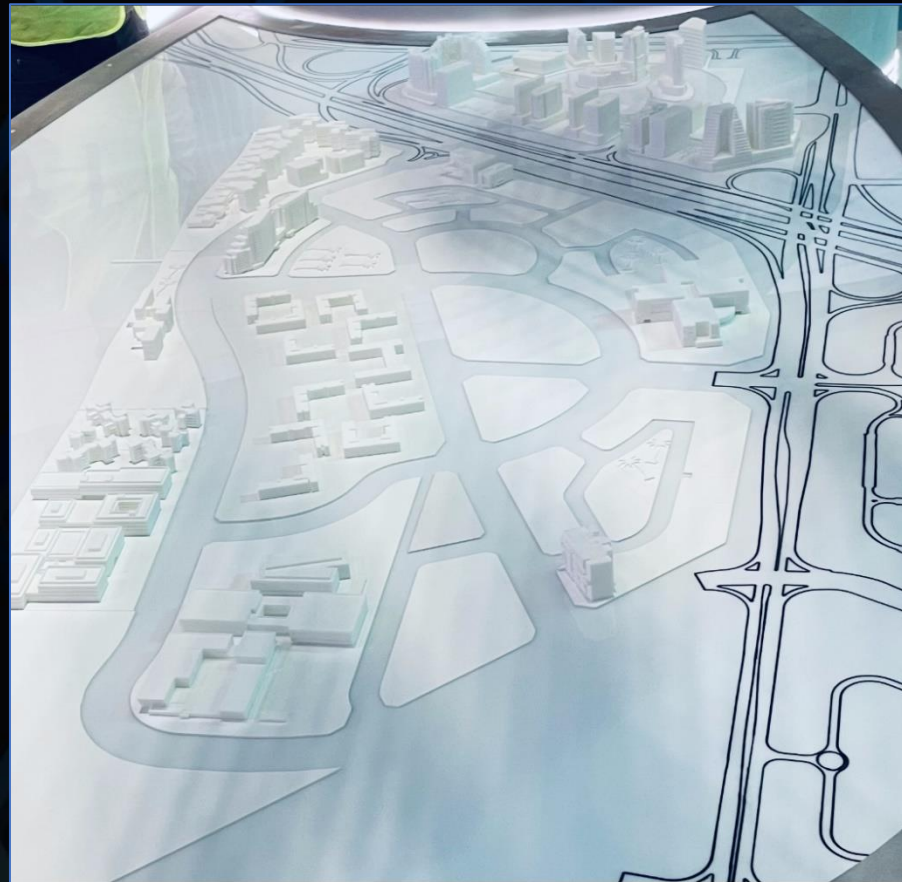
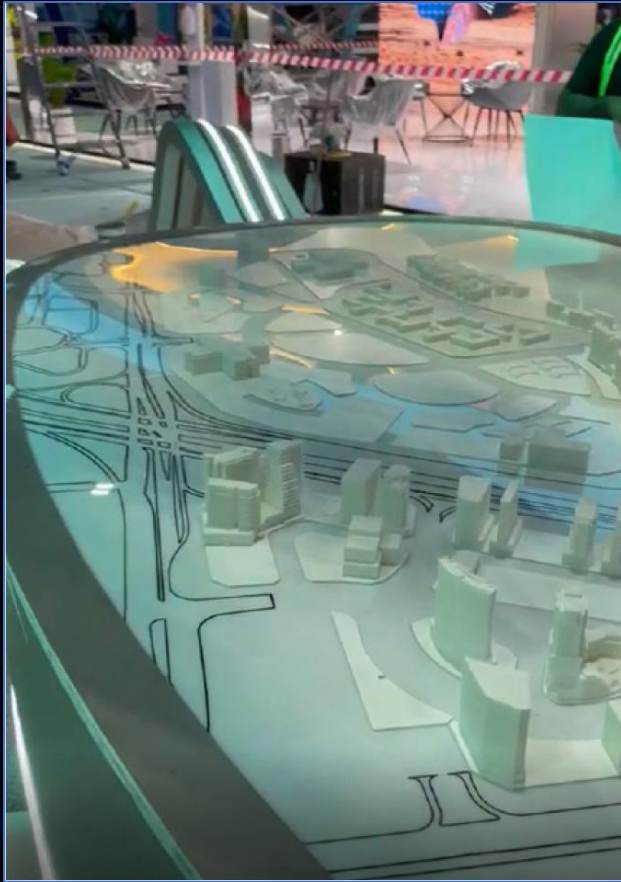


# — DHCC – Arab Health

**Project Details:** Scaled model of the new Dubai Health Care City.

**Technology Used:** SLS | **Size:** 2000 x 1500 mm, including 32 buildings

**Materials:** PA12, Acrylic





# — Dubai Municipality - GITEX

**Project Details:** Scaled model of Dubai Deep Tunnel Storm Water System Terminal Pumping station

**Technology Used:** SLA | **Size:** 1m X 1m

**Materials:** Translucent Resin



# Tabadul - GITEX

**Project Details:** Saudi Arabia 3D Map, which is 3D Printed Tabadul to present their logistic solutions for KSA in GITEX Exhibition week Dubai

**Technology Used:** SLA | **Size:** 1.6m X 1.2m

**Materials:** Resin





# Security Control Room - Burj Khalifah

**Project Details:** Scaled model of Burj Khalifah control room for operations demonstration.

**Technology Used:** SLA | **Size:** 1m X 1m

**Materials:** Resin



# DISPLAY MODELS



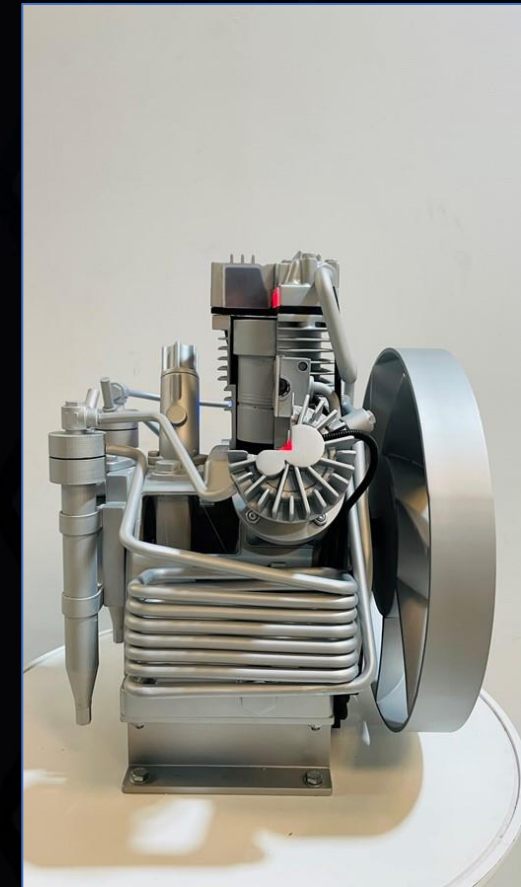
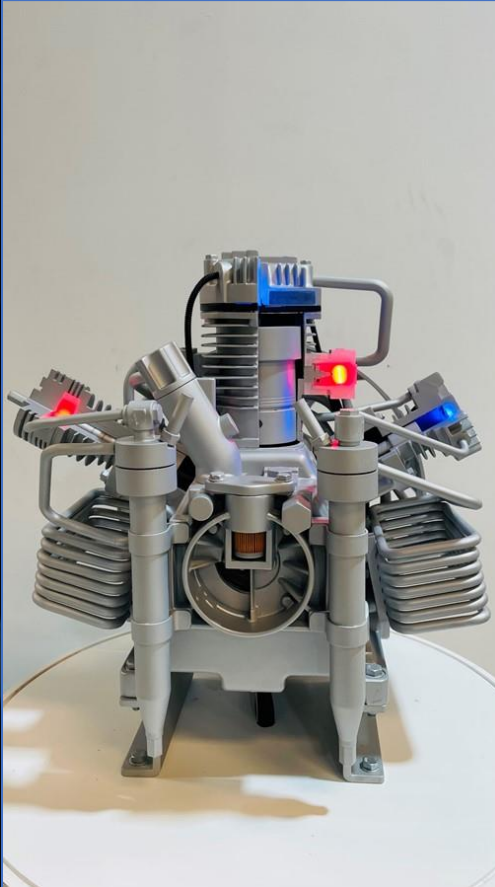
# High Pressure Compressor – Bauer | ADIPEC

**Project Details:** We performed full reverse engineering for the actual block and 3d printed the mechanical assembly in life-size with lights and motion integration.

**Technology Used:** SLS | **Size:** 80 CM

**Materials:** NYLON PA12

WATCH THE VIDEO



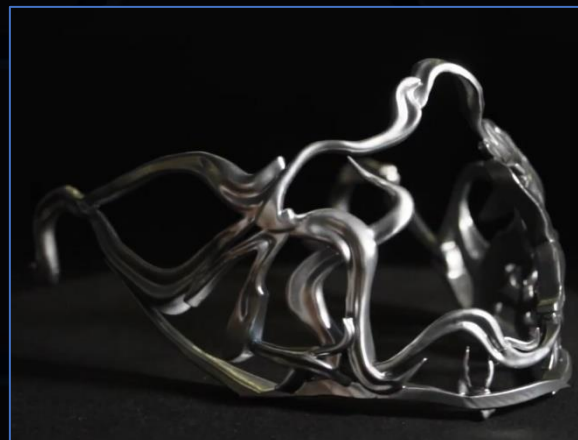
# — 3D Printed Dress

**Project Details:** We performed full reverse engineering for the actual block and 3d printed the mechanical assembly in life-size with lights and motion integration.

**Technology Used:** SLS | **Size:** 80 CM

**Materials:** NYLON PA12

WATCH THE VIDEO





# — Nissan Patrol 1:12

**Project Details:** Scaled 3d printed model of detailed Nissan Patrol Car 98 model.

**Technology Used:** SLA | **Size:** 45 CM

**Materials:** ABS Resin

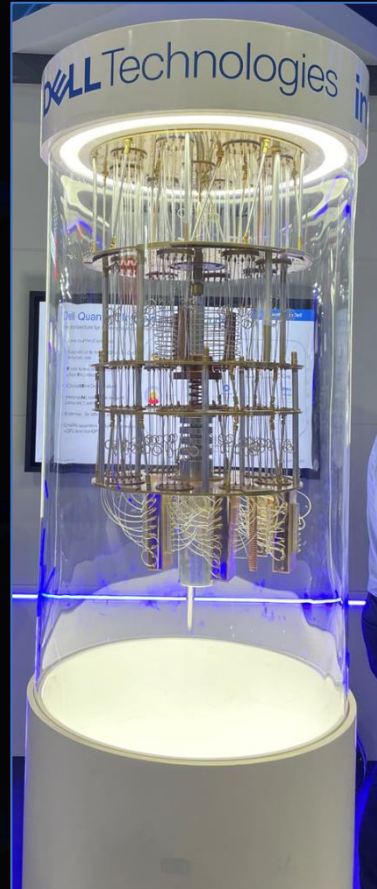


# Quantum Computer – Dell | Gitex

**Project Details:** 3D Printed Replica of Quantum computer in real life scale.

**Technology Used:** SLS | **Size:** 140 CM

**Materials:** NYLON PA12, Gold Plated





# Medical Device Replica

**Project Details:** 3D Printed Replica of medical device in real life scale.

**Technology Used:** FDM, SLS | **Size:** 80 CM

**Materials:** NYLON PA12, ABS, Silver Plated

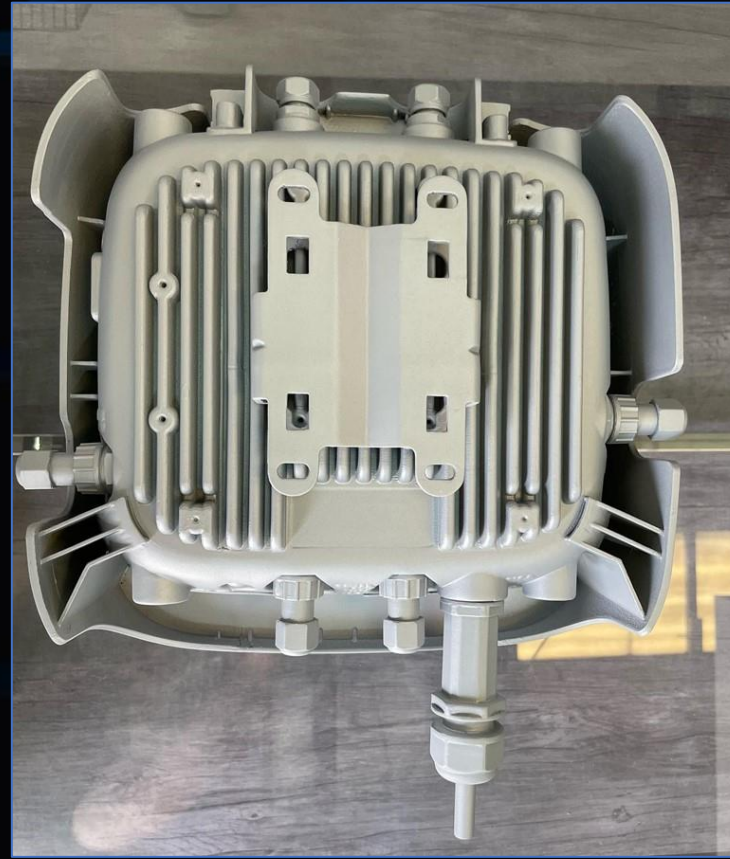


# Access Point Device Replica

**Project Details:** 3D Printed Replica of access point device in real life scale.

**Technology Used:** FDM, | **Size:** 40 CM

**Materials:** ABS, Silver Plated





**CHARACTERS**

# 250 Doctors Miniatures – American Hospital

**Project Details:** 3D Printed miniatures of 250 doctors from a selfie pictures only.

**Technology Used:** SLA | **Size:** 15 CM

**Materials:** Resin





# — Bugs Bunny— Warner Bros

**Project Details:** 3D Printed Bugs Bunny as center piece for Warner Bros Hotel

**Technology Used:** FDM | **Size:** 160 CM

**Materials:** ABS

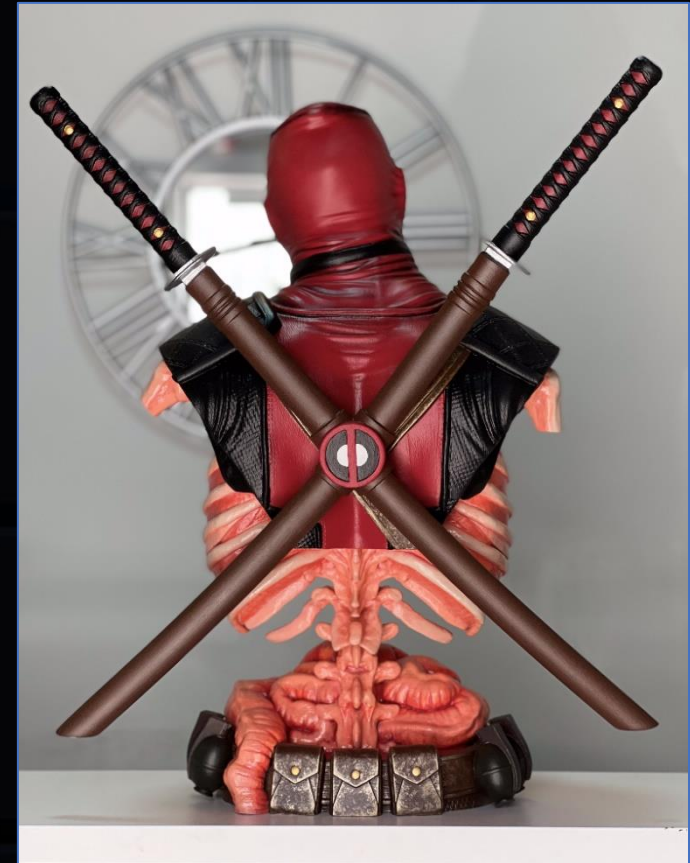


# Deadpool Bust - Comicon

**Project Details:** 3D Printed Deadpool bust used in Comicon Event

**Technology Used:** FDM | **Size:** 80 CM

**Materials:** PLA





# Figurines



# Figurines





# Figurines



TROPHIES



# — Trophies

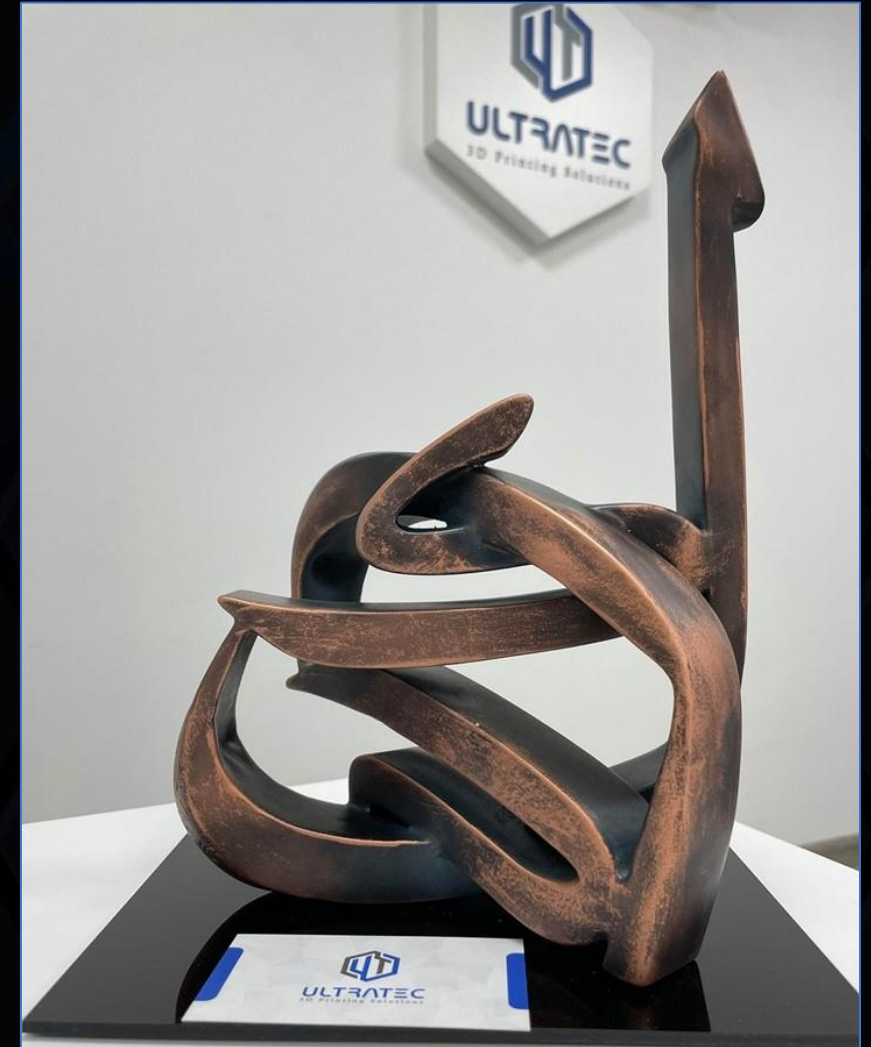


# Hexagon — Trophies





# ⬡— Trophies



STYROFOAM



# — Cigarette Butts

**Project Details:** Giant models of cigarette butts

**Materials:** Polystyrene Carving





# — Giant Banana

**Project Details:** A giant banana to be used as a permanent display. It is used for social media moments and to act as a point of sale prop.

**Materials:** Polystyrene Carving





# — Giant Horses

**Project Details:** Giant Horses sculptures for exhibition.

**Materials:** Polystyrene Carving



INDUSTRIAL

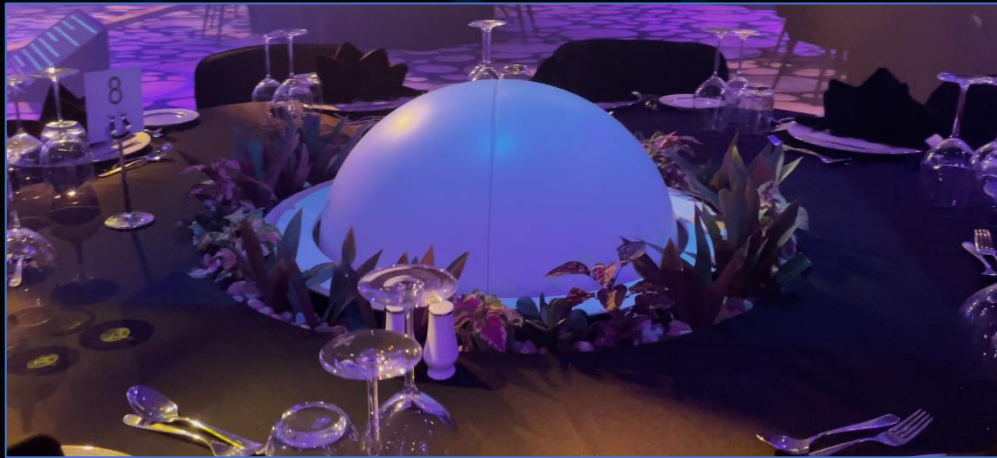


# — Reveal Domes Mechanism – Neom Event

**Project Details:** 3D Printed automation mechanism for gifts reveal system used in Private event for Neom.

**Technology Used:** SLS

**Materials:** NYLON PA12

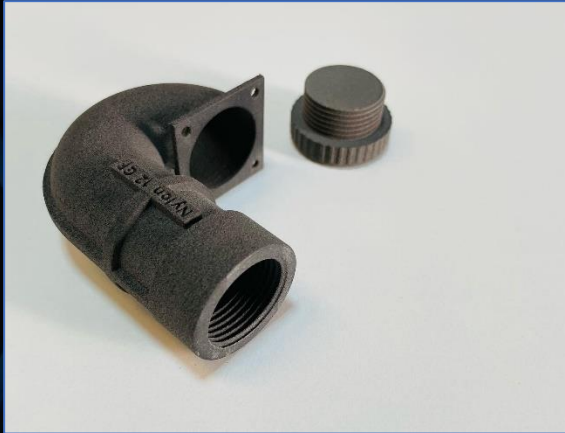




# Industrial Functional parts Printing

**Project Details:** : Printing functional spare parts for industrial applications and machineries.

**Technology Used:** SLS Technology

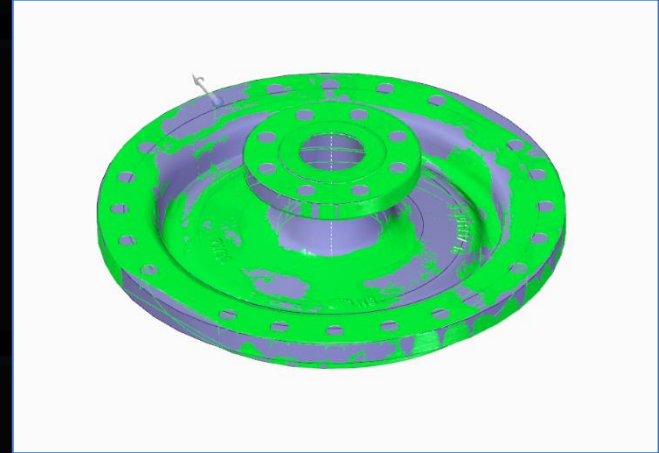
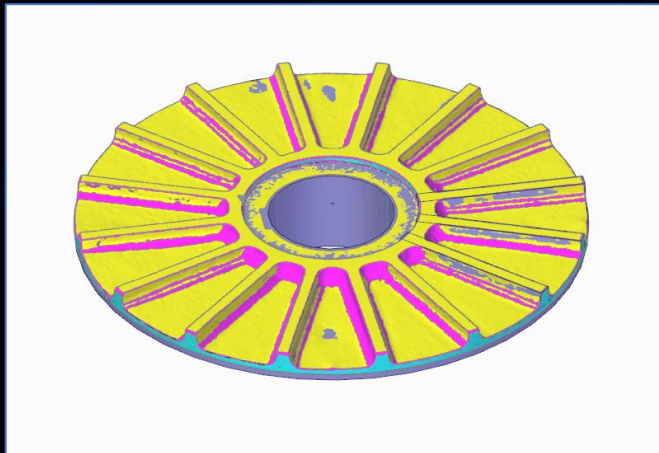
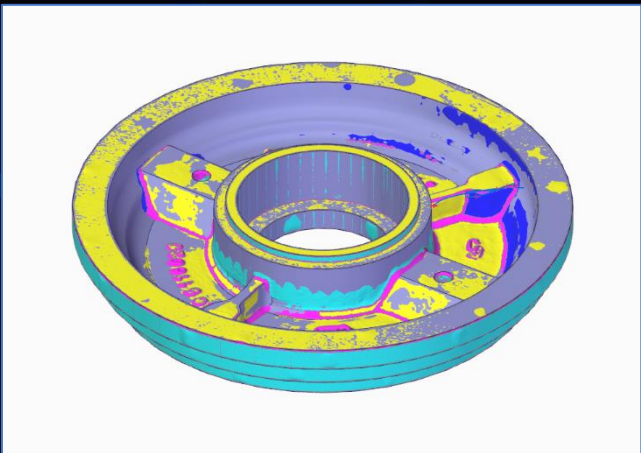
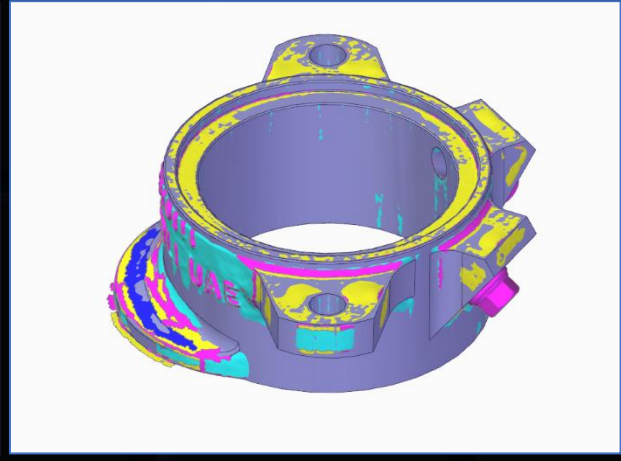
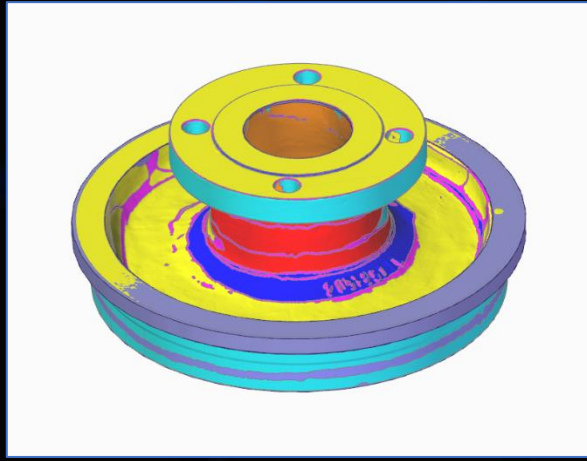
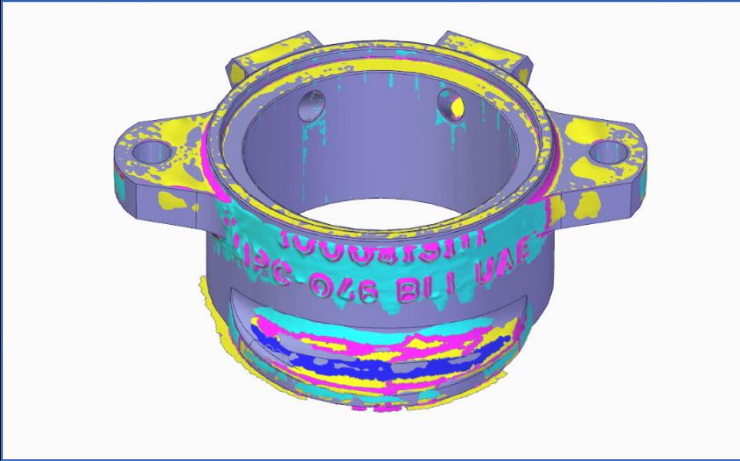




# Industrial Pump Reverse Engineering

**Project Details:** : Laser 3D Scanning and Reverse Engineering of 12 pump components and generate CAD files for reproduction.

**Technology Used:** 3D Scanning

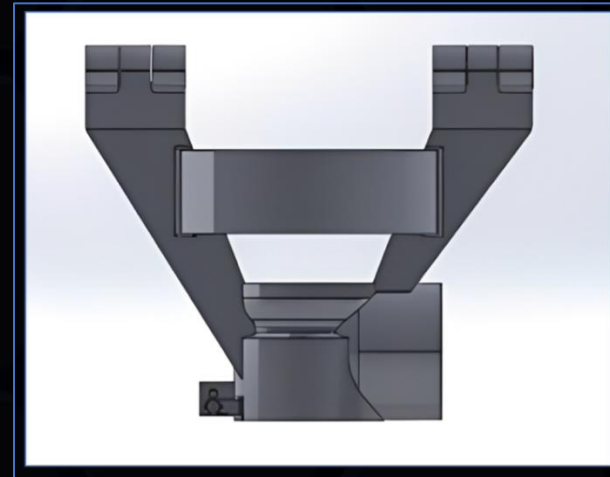


# Medical Laser Device Enclosure

**Project Details:** We developed the enclosure with embedded cooling channel for the laser hair removal handpiece to make it compact and more comfortable while holding .

**Technology Used:** FDM

**Materials:** ABS





# Medical Laser Device Enclosure

**Project Details:** We developed the enclosure with embedded cooling channel for the laser hair removal handpiece to make it compact and more comfortable while holding .

**Technology Used:** FDM

**Materials:** ABS





## Our Address:

B10 | WH3 | Makaseb Compound | Dubai Investment Park 2 | Dubai | UAE



# THANK YOU !



## ULTRATEC

3 D Printing

Let's turn the ideas into reality

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