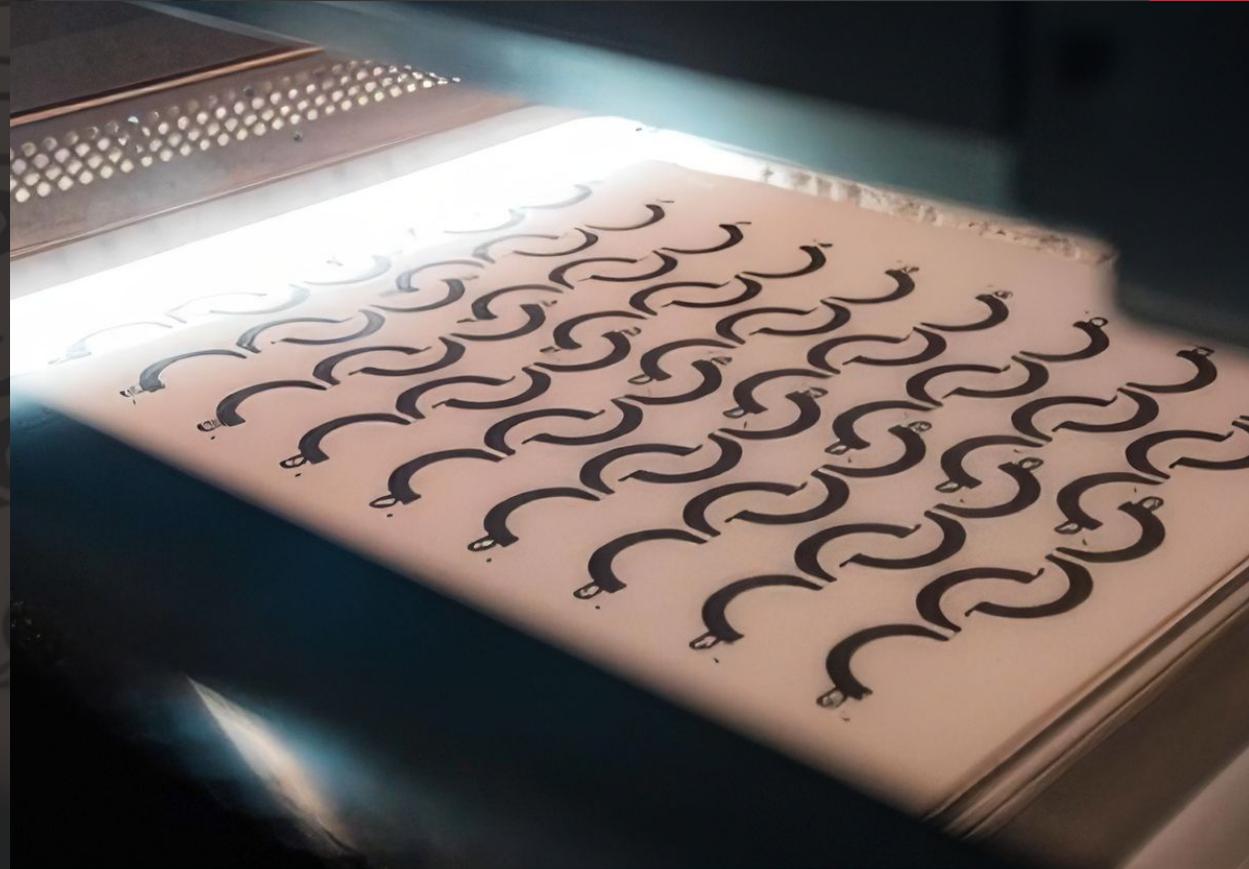


3D Printing Technologies

CONFIDENTIAL

Due to the confidential nature of the information contained within this presentation, the following slides are marked as confidential. Please ensure that this presentation is shared only with authorized personnel and treated with the utmost discretion. Thank you for your cooperation.





LfAM

Large format Additive Manufacturing
with Robotic Arm

2025

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Highly customizable for big, detailed projects.

Print Large-scale Models with Robotic Precision.

Key Features:

Large-Scale Production: Capable of producing big components.

Flexible Design: Highly customizable and adaptable.

Multiple Materials: Can work with various materials.

High Precision: Accurate and detailed large-scale prints.

Efficient Workflow: Streamlined production process.

03/26

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Custom, large-format creations with precision.

Industrial-grade, Large-format Materials.

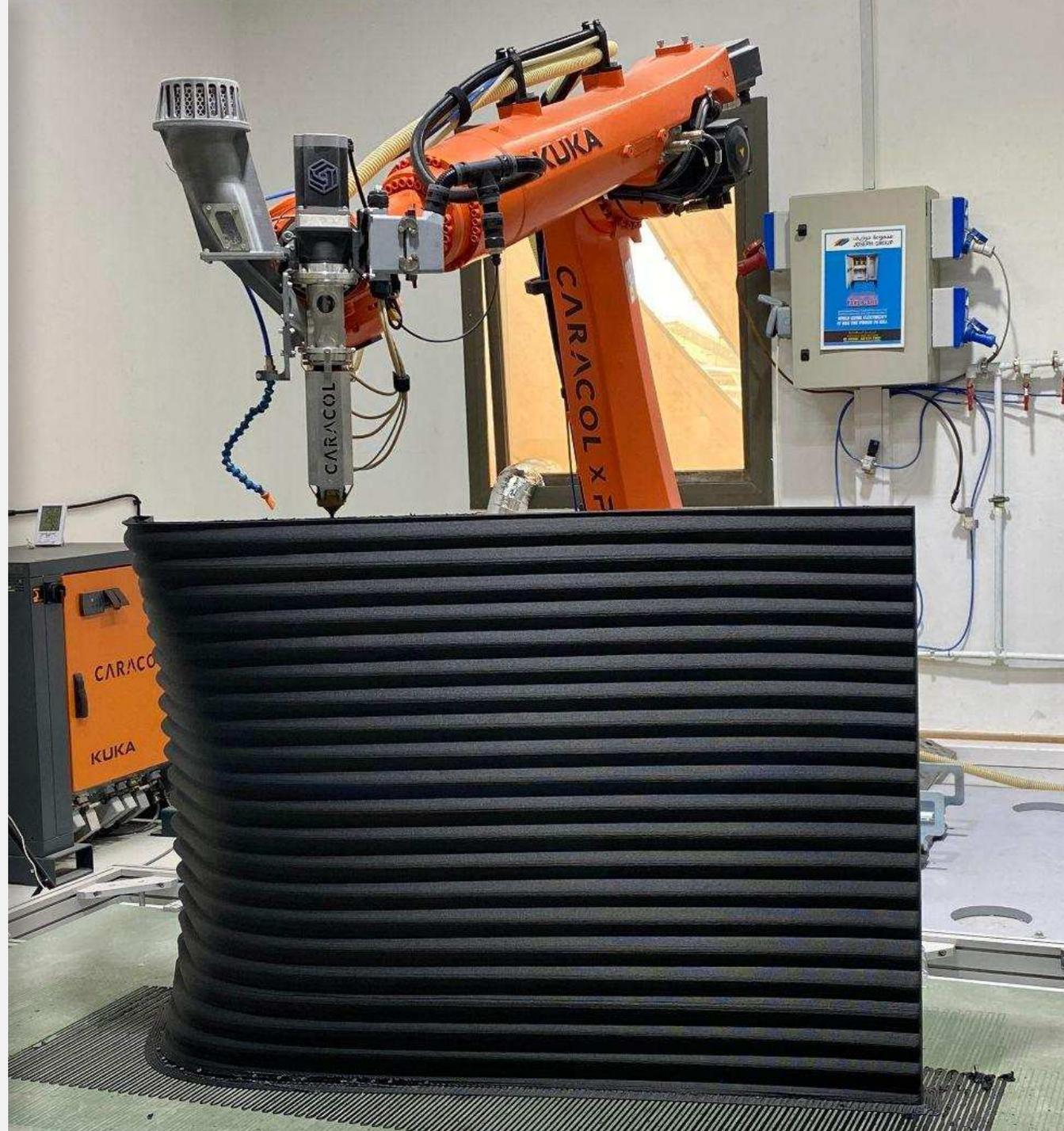
Materials:

ABS-CF (Acrylonitrile Butadiene Styrene with Carbon Fiber)

PP-GF (Lightweight yet tough, engineered for enhanced strength and durability)

04/26

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Large-scale solutions for industrial applications.

Raw, Industrial-grade finish.

Application:

Construction: Large-scale, custom building components.

Automotive: Large parts and prototypes for vehicles.

Aerospace: Structural components and prototypes.

Public Art Installations: Large and intricate sculptures.

Industrial Machinery: Custom parts for heavy machinery.



Multi Jet Fusion (MJF)

MJF 3D Printing with
HP Multi Jet Fusion 4200

2025

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Perfect for intricate designs requiring durability.

Fast, Precise, and Cost-Effective Solutions for Complex Geometries.



Key Features:

- Uses a fusing agent and detailing agent to create precise, strong parts.
- Offers high speed and cost-effective production.
- Produces parts with isotropic mechanical properties.
- Uniform strength in all directions.

07/26

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Custom, large-format creations with precision.

Exceptional Strength and Detail.

Materials:

PA12 (Nylon 12): Durable, strong, and versatile.



08/26

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Revolutionize production with ultra-fast, precise 3D printing.

Unmatched strength Consistent Finishes.

Applications:

- Functional Prototypes: Quick and cost-effective for testing designs.
- End-Use Production Parts: Durable and precise for final products.
- Custom Jigs and Fixtures: Tailored tools for manufacturing processes.
- Medical Devices: High-quality, biocompatible components.
- Consumer Electronics: Complex and detailed parts for devices.

09/26

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Industrial Stereo Lithography (SLA)

3D Printing with
Stereolithography (SLA)

2025

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Perfect for detailed designs and complex geometries.

High Accuracy, Smooth Finishes.



Key Features:

- Utilizes a UV laser to cure liquid resin layer by layer.
- Produces parts with fine details.
- Suitable for highly detailed and complex designs.
- Various resins for different applications.
- Fast production for design validation.

11/26

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Custom, large-format creations with precision.

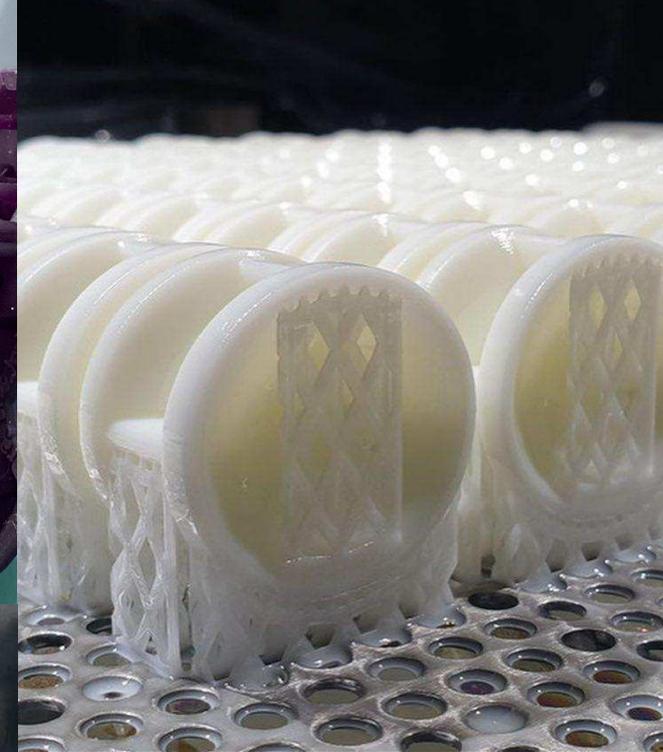
Immaculate, Highly-detailed Finishes.

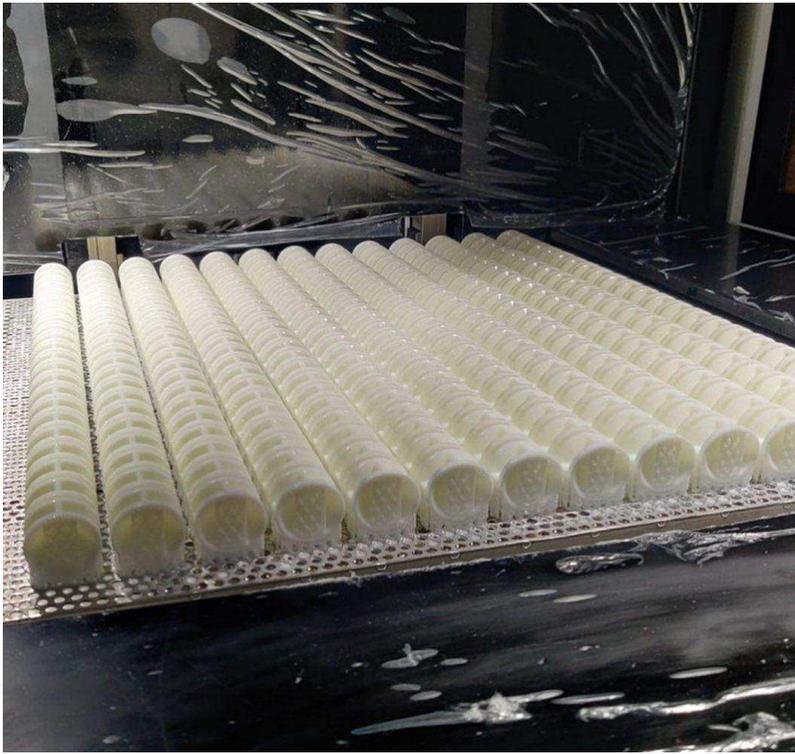
Materials:

Standard Resins: For general-purpose prototyping.

Tough Resins: For strong, durable parts.

Clear Resins: Achieve transparent, glass-like clarity with high detail and precision.





Perfect for detailed designs and complex geometries.

Highly precise printing with laser accuracy

Applications:

Prototyping: High-precision models for design validation.

Dental and Orthodontic Model.

Jewelry Casting Patterns: Intricate designs for casting.

Architectural Models: Precise and detailed for presentations.

Custom Medical Models: Patient-specific anatomical models.



Fused Deposition Modeling (FDM)

3D Printing with
FDM

2025

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Fused Deposition Modeling (FDM)

Layered Surfaces with Functional Reliability.

Key Features:

Cost-effective and widely accessible.

Variety of materials available, including ABS, PLA, and PETG.

Compatible with multiple thermoplastics.

Produces strong and functional components.

Ideal for large-scale manufacturing.

150+
Printers

15/26

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Fused Deposition Modeling (FDM)

Versatile 3D printing, with Wide Range of Materials.

Materials:

PLA (Polylactic Acid): Biodegradable and easy to print.

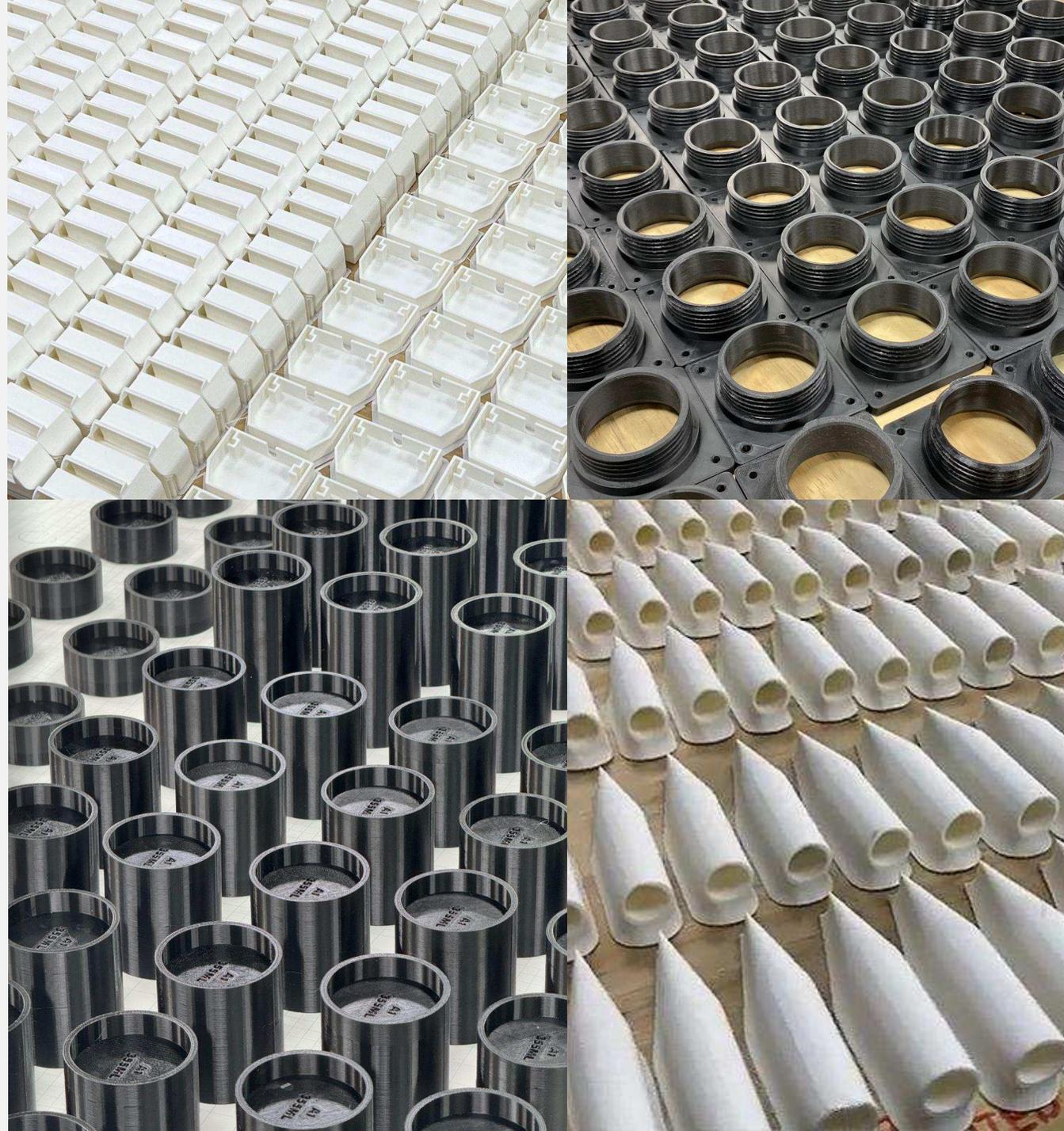
ABS (Acrylonitrile Butadiene Styrene): Strong and impact-resistant.

PETG (Polyethylene Terephthalate Glycol): Durable and flexible.

TPU (Thermoplastic Polyurethane)

ASA (Acrylonitrile Styrene Acrylate)

PP (Polypropylene)





Perfect for detailed designs and complex geometries.

Industrial-grade Finishes that Stand Out

Applications:

Prototyping: High-precision models for design validation.

Dental and Orthodontic Model.

Jewelry Casting Patterns: Intricate designs for casting.

Architectural Models: Precise and detailed for presentations.

Custom Medical Models: Patient-specific anatomical models.

Thank You

We appreciate your interest in exploring the latest advancements in 3D printing technology. We look forward to partnering with you on your 3D printing projects and helping bring your innovative ideas to life!

2025

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