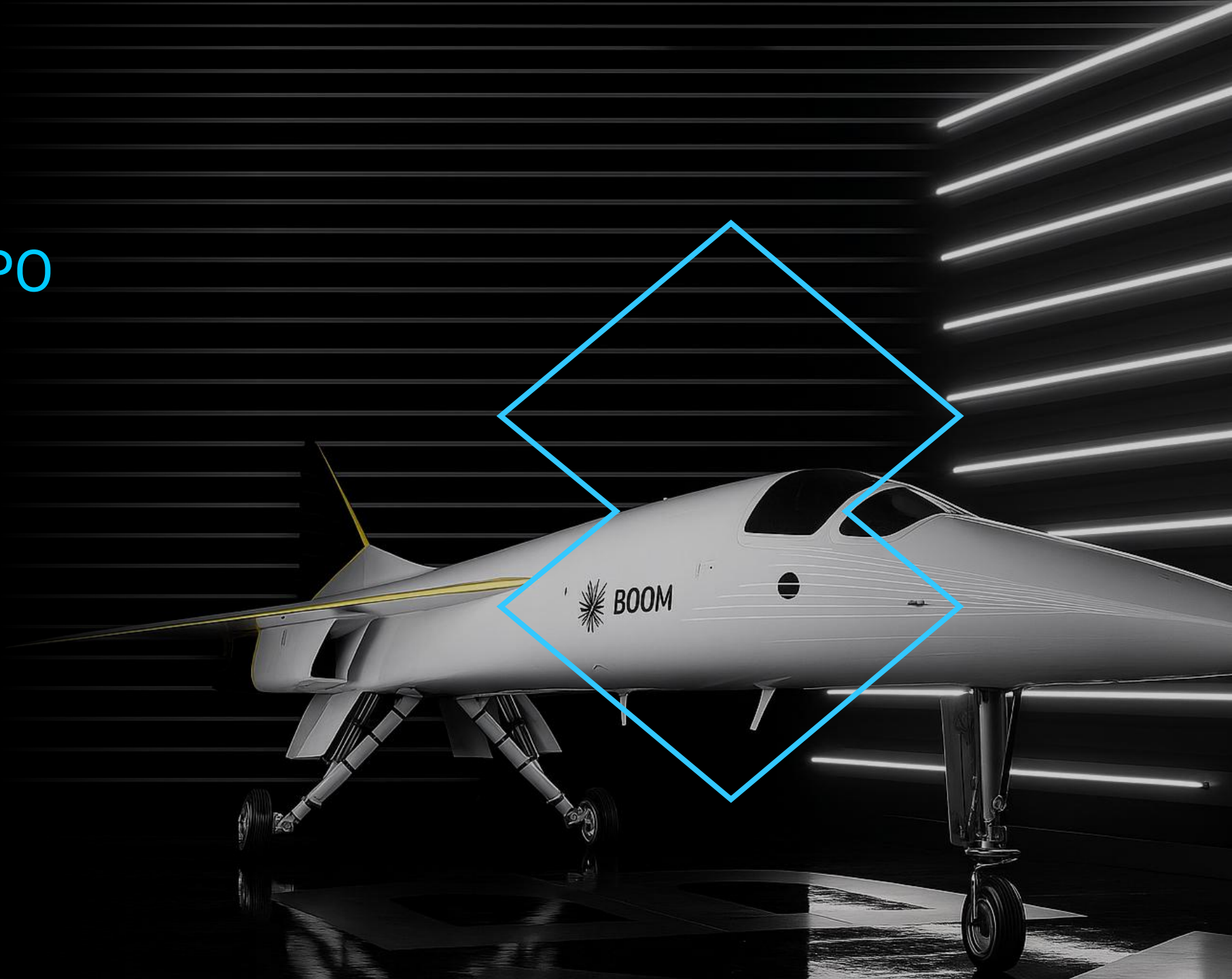




ALPHACAM EXPO

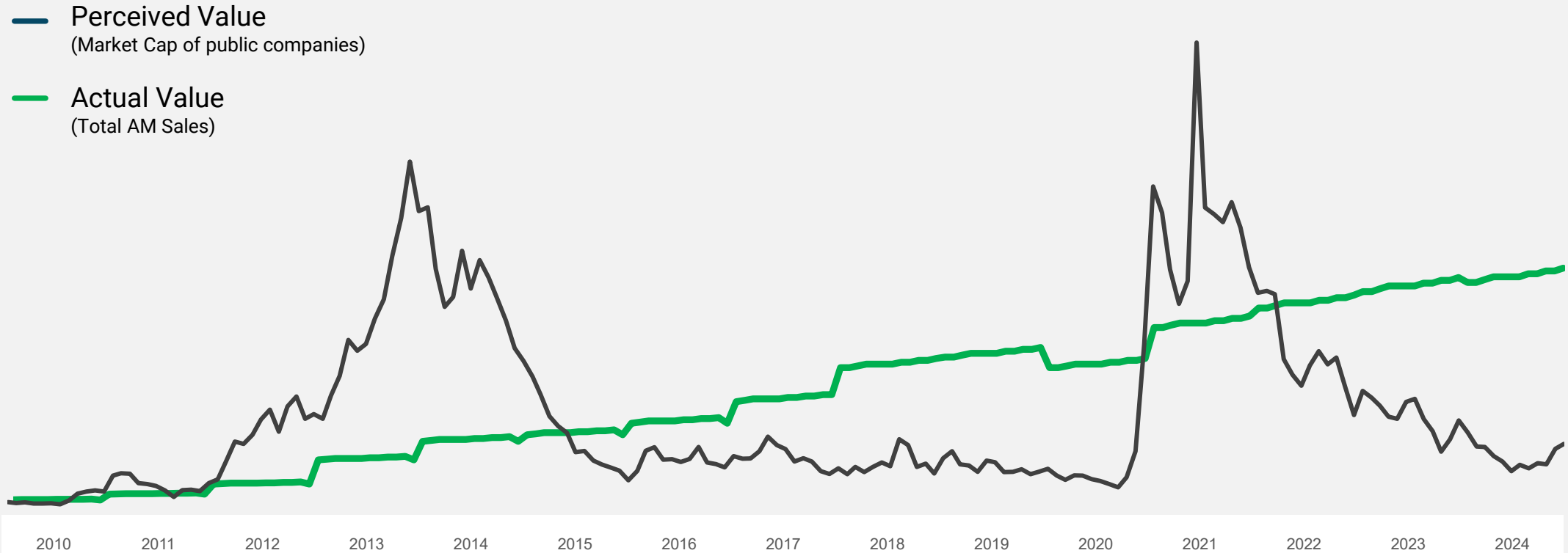
SEPTEMBER 2025

Andy Langfeld
Chief Revenue Officer (CRO)



Additive Manufacturing is Here to Stay

Despite market volatility, AM continues to grow by delivering real, sustainable value



Source: Capital IQ, CONTEXT
Perceived Value is indicated by total market cap of: SSYS, DDD, DM, MKFG, NNDM, SHPW, VLDX, VJTT, XMTR.






SUPERSONIC

FLIGHT TIME
00:23:00

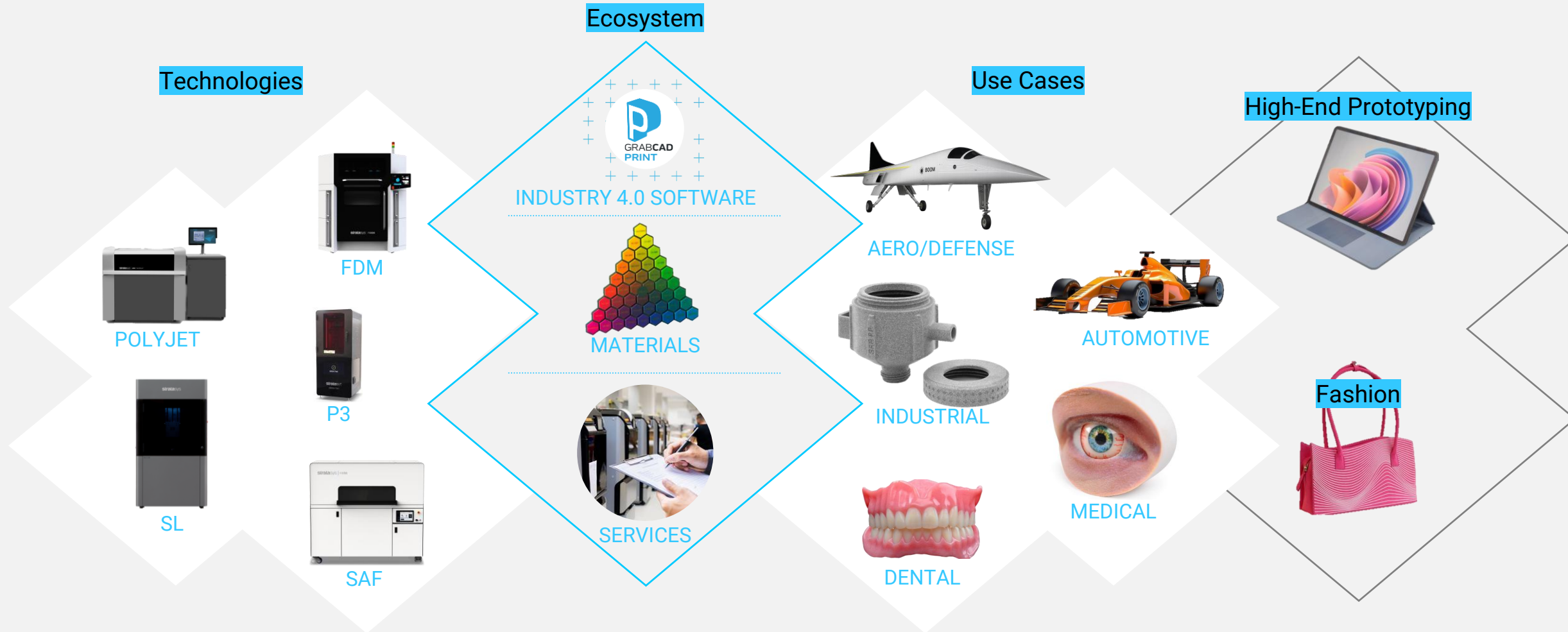
ALTITUDE
35,035 FEET

MACH
1.10

AIRSPED
645 KNOTS

ENGINES
 LEFT A/B  MID A/B  RIGHT A/B

End-to-End Solutions – combining 5 technologies and a comprehensive ecosystem to deliver tailored outcomes use-case by use-case



We Have 5 Strategic Use Cases... Meeting Highest Requirements

Aerospace & Defense End Use / Spare Parts

End-to-end solutions including advanced printers, certified aerospace-grade materials and post-processing



Automotive Tooling

High-precision printers, broad range of materials and software optimized for automotive tooling



Industrial Components

Custom-fit machine parts - reliable printers industrial grade, application-specific materials, and post processing



Dental Dentures

Comprehensive, one of a kind dental solution includes software, biocompatible materials, and PolyJet printers, allowing dental labs to seamlessly produce precise, comfortable dentures with a streamlined digital process



Medical Anatomical Models

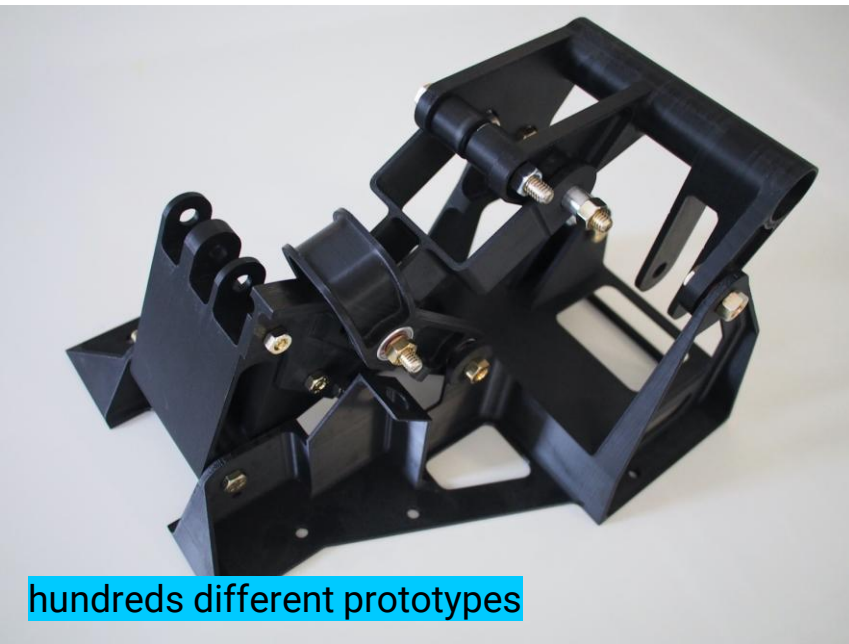
Medical solution combining printers, anatomical-grade materials, and digital workflows to produce lifelike models that support surgical planning, training, and improved patient outcomes



Selection Criteria

1. Size of opportunity
2. Proven success
3. Stratasy's unique competitive advantage

Boom: From Prototyping to End-Use Parts



hundreds different prototypes

Functional Prototypes

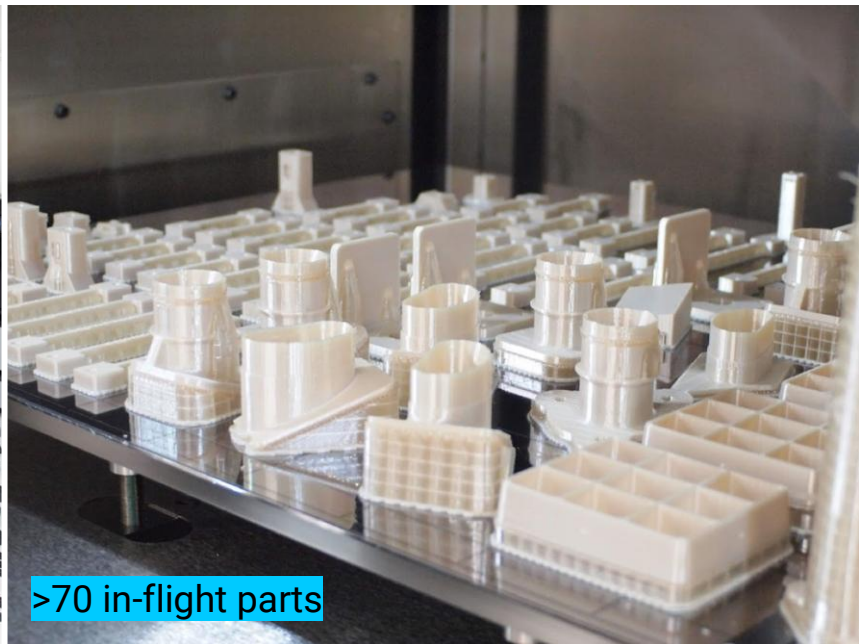
Cost Savings



~700 drill blocks

Tooling Support

Time Savings



>70 in-flight parts

Flight Hardware

Weight Savings

Boom: Production Parts for Engine testing

Challenges

- Long lead time for fabrication of Bleed Air Duct
- Material waste due to bulk of material being machined away
- Higher material costs

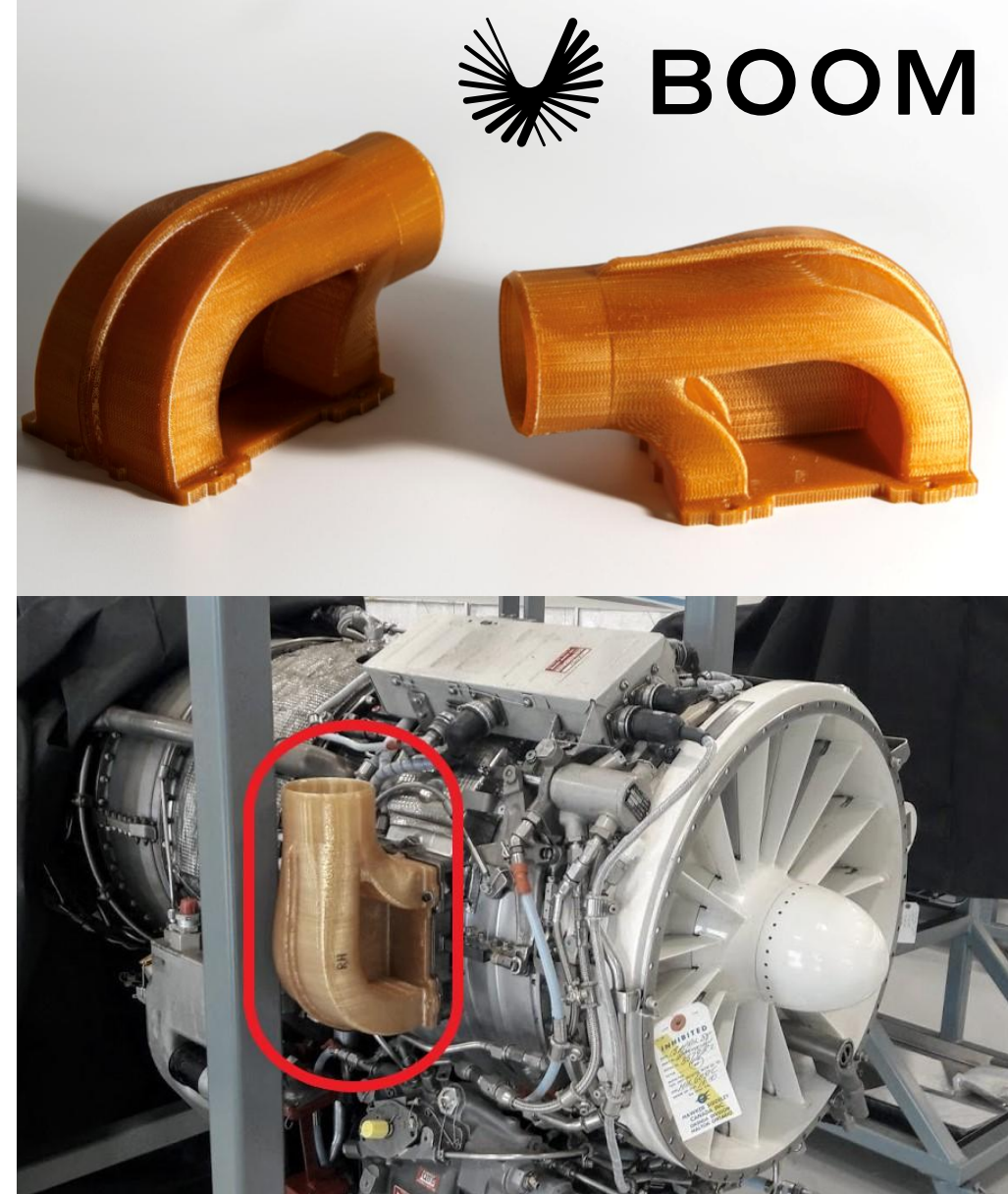
Solution

Fortus 450mc™ using ULTEM™ 1010 resin

- Produced ducts quickly and avoided typical machining backlog queue and machine setup
- Material cost reduced with AM and used only amount needed to build part
- Eliminated design for manufacturability constraints inherent with machining

Impact

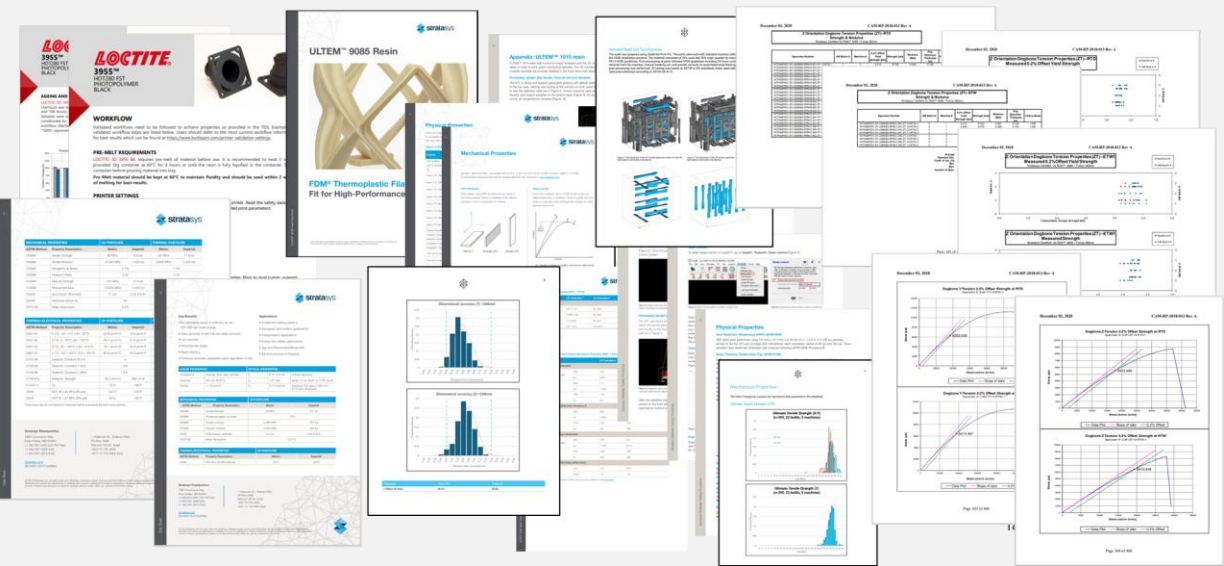
- Fabricate part in 14 hours vs. 7 weeks
- Total cost of per part \$150 vs. \$9,000 using conventional machining
- Total of 98% cost savings & 95% lead time savings



9085,1010 and ULTEM™ are trademarks of SABIC, its affiliates or subsidiaries.

Certified for Aerospace & Defense






Stratasys has thousands of pages of data


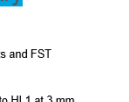



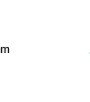
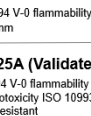
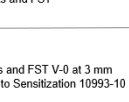



Aerospace & Defense Related Certified Materials

FST and FR materials

FDM material summary









ULTEM9085 - Spec Sheet 14 CFR 25.853 – FAR/EASA Aerospace FST Standard UL94 V0 equivalency testing ongoing Aerospace CG Version available – with SABIC CoA, Stratasys CoA, full traceability EN45545-2 and NFPA 130 for Rail vehicles UN ECE Regulation 118 for Fire protection of Buses			
ANTERO800NA – ANTERO840CN03 (ESD-safe) - Spec Sheet 14 CFR 25.853 – FAR/EASA Aerospace FST Standard EN45545-2 for Rail vehicles			
ULTEM1010 - Spec Sheet UL94 V0 capable			

Victrex AM200 (Validated) - Spec Sheet 14 CFR 25.853 (testing pending) – FAR/EASA Aerospace FST Standard			
PC-FR (Validated) - Spec Sheet meets EN 45545-2 - testing ongoing, planned for Q2			
PC - Spec Sheet UL94 HB capable			

Coming Q4 2025: **PA6/66GF20LS** (different name at launch)

FST and FR materials

Origin P3 material summary

LOCTITE 3D 3955 (Validated) Passes UL94 V-0 flammability requirements and FST V-0 at 3 mm, Pass at 6 mm (AITM2-0002, AITM2-0007, AITM3-0005) Flammability R22 EN 45545-2 - compliant to HL1 at 3 mm Flammability R23, R24 EN 45545-2 - compliant to HL2 at 3 mm Glow Wire Ignition Temperature GWIT IEC 60695-2-13 - 850°C, at 1.5 mm		
Ultracur3D® RC9400 B FR Rigid, Black (Open AM) Passes UL94 V-0 flammability requirements and FST V-0 at 3 mm, V-0 at 2.5 mm, V-0 at 2 mm, V-1 at 1.5 mm, HB at 1 mm, Pass at 6 mm Flammability R22 EN 45545-2 - compliant to HL1 at 2 mm, 2.5 mm Flammability R23, R24 EN 45545-2 - compliant to HL2 at 2 mm, 2.5 mm Glow Wire Ignition Temperature GWIT IEC 60695-2-13 - 825°C, at 2.1 mm		
N3XTDIMENSION® N3D – FR512 (Open AM) Passes UL94 V-0 flammability requirements and FST V-0 at 0.8 mm		
P3 Silicone 25A (Validated) Passes UL94 V-0 flammability requirements and FST V-0 at 3 mm Passed Cytotoxicity ISO 10993-5, Pending to Sensitization 10993-10 and Irritation 10993-23 Chemical Resistant		

Microsoft: Advanced Rapid Prototyping

Challenges

- Need for rapid iteration in hardware development
- Prototypes must match design intent in look & feel
- Traditional methods (CNC, MIM) too slow and costly for fast cycles

Solution

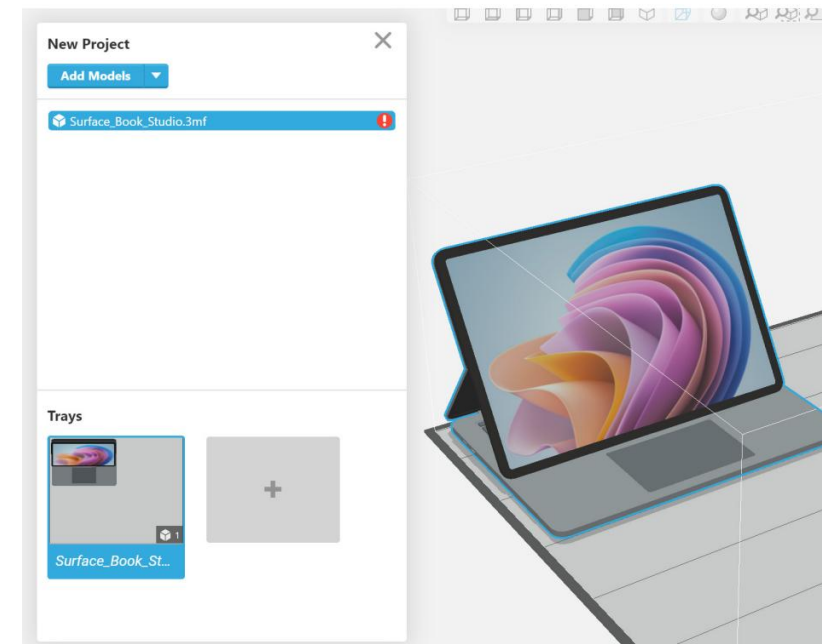
Stratasys J850 PolyJet™ for high-resolution, multi-material prototyping

- Pantone® Validated Colors: seamless color matching with Surface devices
- High resolution (1600 dpi) enables fine details, logos, and textures directly in the print
- Integration with GrabCAD Print for advanced color, opacity, and transparency effects

Impact

- Next-day prototypes accelerate decision-making
- More iterations per cycle: faster innovation
- High-fidelity models enable a premium Surface user experience

Make additive work for you™



General Motors: Hemming Tool for Chevrolet Equinox



Challenges

- Rear wheelhouse hemming tool traditionally machined from aluminum with a >10-week lead time, inflexible for changes
- Heavy tooling (~34 kg) requiring lift assistance; risk of damaging sheet metal during positioning

Solution

F900™ printer using FDM ASA thermoplastic material

- Lightweight lattice design to cut tool weight
- Digital workflow with CAD-to-print for faster iterations
- On-demand production of replacement or modified tools

Impact

- Lead time reduced by ~70% (from 10–13 weeks to 3 weeks)
- Weight reduced by ~56% from 34 kg to 15 kg → easier, safer handling
- ~74% cost savings compared to aluminum tool
- Greater agility for future vehicle programs



General Motors: Tooling Overview



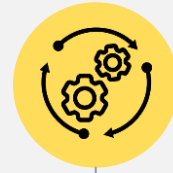
Deployment
40+ F900



Utilization
85%

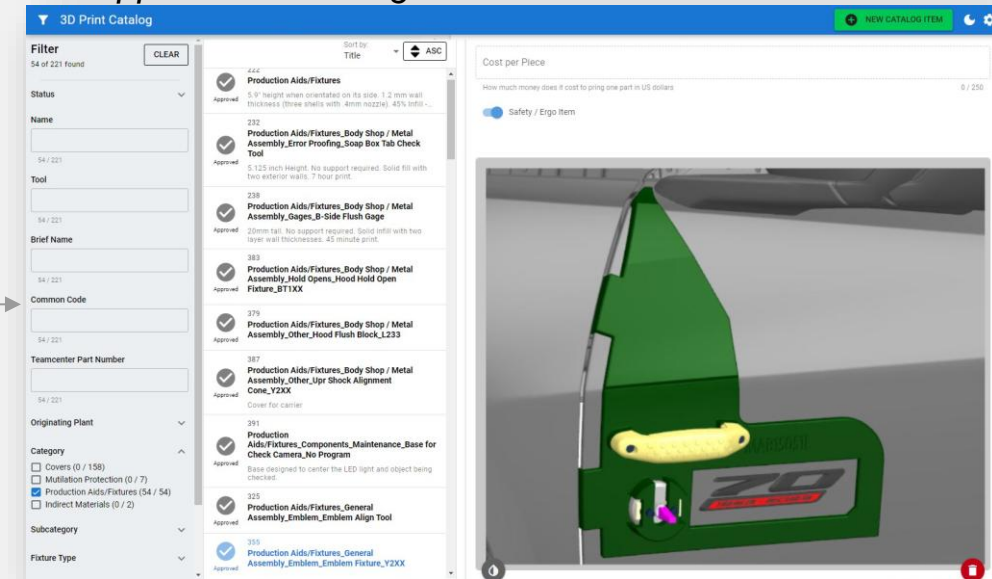


R.O.I
\$14M+ /y



Applications
1,000+ /y

AM Application Catalog



PRINTING THE FUTURE, SAFELY



Ruslan Pshichenko
Manufacturing Engineer, Head of AM

“
At Boom,
Additive Manufacturing isn't just
a tool. **It's a mindset.**
”

Source: <https://boomsupersonic.com/flyby/turning-powder-into-power-how-boom-is-using-3d-printing-to-accelerate-symphony-engine-testing>



Dankeschön

