

National MBE Manufacturers Summit

NMMS 2024

BACK TO THE FUTURE

Revisiting the Basics in the New Manufacturing Economy



3D PRINTER TECHNOLOGY



ADVANCED MANUFACTURING LABS

PROBLEM



KIA AUTOMOTIVE OF GA

- MAIN ASSEMBLY RAMP SPROCKETS FAILING
- NO SPARE PARTS ON SITE TO REPAIR
- LEAD TIME 6 - WEEKS TO DELIVER FROM CURRENT SUPPLIER
- POSSIBLE NEAR TERM FAILURE OF ASSEMBLY LINE WOULD CAUSE PARTIAL PLANT SHUTDOWN



SOLUTION

RAPID PROTOTYPING

- 3D SCAN PARTS TO OBTAIN CAD DATA
- CONVERT SCAN DATA TO CAD FORMAT TO 3D PRINT IN METAL OR PLASTIC
- PRINT OR CNC TEST PART FOR FIT
- MASS PRODUCE PARTS PER CUSTOMER REQUIREMENTS



PROCESS

3D SCAN - ONSITE / DESIGN
3D PRINT NEW PROTOTYPES



OUR COMPANY

3D PRINTER TECHNOLOGY / ADVANCED MANUFACTURING LABS PROVIDES COST EFFECTIVE AND INNOVATIVE SOLUTIONS TO THE MANUFACTURING AEROSPACE AND DEFENSE MARKETS. WE UTILIZE METAL AND VARIOUS THERMOPLASTICS WITH 3D PRINTING AND CNC MFG TECHNOLOGIES
ITAR CERTIFIED - CAGE CODE 6SXJ7



U.S. AIR FORCE

