

FOR IMMEDIATE RELEASE

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## **3D Engineering Solutions partners with Historic Space Systems to replicate in 3D CAD Apollo Spacecraft Command Module Artifact**

3D Engineering Solutions, Cincinnati based advanced engineering service company partners with **Historic Space Systems** to laser scan and 3D CAD model authentic Apollo spacecraft artifact.

In their 5<sup>th</sup> year of operation, 3D Engineering Solutions is an advanced engineering services company registered with the State of Ohio for Professional Engineering (**Certificate No. 03341**) and accredited to **ISO17025** for certified third party inspection, 3D Engineering Solutions maintains a state of the art climate controlled metrology lab servicing the Midwest OEM needs for on-site laser data collection, 3D CAD modeling, FAI / PPAP inspection, and reverse engineering services.

“3D Engineering Solutions team are aerospace enthusiasts, with over 100 years of combined aerospace composite manufacturing experience, our team of degreed engineers were excited to partner with John Fongheiser at Historic Space Systems”, says 3DES Project Engineering Manager, Rob Glassburn, PE. “To have the opportunity to replicate in 3D CAD an authentic control grip from an Apollo Command Module is a great example of **Legacy Product Modernization**.”

3D Engineering Solutions create precision when [reverse engineering](#) from physical parts that have little or no additional design documentation. If a component's initial design intent has been partially lost as a result of production process variation or tool degradation, this process can capture the data in real time and provide an accurate 3D CAD model.

### About 3D Engineering Solutions:

Customers rely on 3D Engineering Solutions is an advanced engineering services company serving the automotive, industrial, green energy, nuclear and aerospace industries, using engineering tools such as Unigraphics NX7 Mach 3 CAD platform, with

data transfer via 3D's secure FTP site. Leading edge point cloud software, InnovMetrics PolyWorks allows a common software platform for collecting data across all laser based data collection platforms. In addition to reverse engineering services, 3D Engineering's ISO 17025 accreditation supports 3<sup>rd</sup> party inspection, FAI, and [PPAP inspection services](#) that reduce OEM-burdened overhead costs. 3D Engineering Solutions brings more than 100 years' collective experience to every engineering project.

<http://www.3D-engineering.net>

#### About Historic Space Systems:

Historic Space Systems is an exhibit manufacturing and consulting company with headquarters in Danville, Ohio. It was started in 1990 by its president, John Fongheiser, in the interest of providing realistic and historically accurate spacecraft exhibits for museums.

He began by building the [Space Shuttle Flight Station](#) exhibit as a company funded project to demonstrate the capabilities of Historic Space Systems.

<http://space1.com>



Rotation Control (RC)  
Assembly



Control Grip – ready  
for Laser Scan & Modeling



3D CAD Model