Automotive

Name: Peter
Location: Jersey City, New Jersey
Industry: Automotive Prototyping
Background: Electrical Mechanical Engineering

Challenge: Obtaining precise 3D data scans of automotive parts

Tool: Used DAVID SLS2 3D Scanner to scan automotive parts

Results: Obtained precise measurement of small metal items that could not be scanned with Artec

Challenge

Reverse engineering is the process of obtaining data from existing components for total recreation or design of a different component. This type of engineering is critical for New Jersey based automotive prototyping company for developing components. Obtaining accurate data from existing components can be an involved process depending on the financial investment and the method used.

The Tool

DAVID SLS2 3D scanner was determined as an ideal option for the reverse engineering process due to its **affordability, easy set up and precise data retrieval.** Small metal items, 1 meter by 1 meter in size, were scanned by projector Acer K132+ for data retrieval such as surface detail and even texture.

"I use the DAVID scanner 2-3 times a week. It is inexpensive, scans quickly and precision is good as needed."

The Success

Precise data of the small metal components were successfully measured with the DAVID Vision

> "Used Artec for scanning but was unable to deliver desired results because it could not read certain metal parts."

software. The data was highly valuable due to the low cost of DAVID SLS2 3D scanner. In the past the New Jersey based company had used Artec for scanning but was unable to deliver desired results because it could not read certain metal parts. Artec was also an investment costing approximately $18,000 which is six times more costly than DAVID SLS2 3D scanner.