



3D Scanning Gets Trashy

EMS was recently contacted by a company wanted to offer scaled models of the reuse trucks they sell to their customers. The vehicle of interest is a Lodal side loader truck which represents the latest technology in the refuse hauling business. EMS determined the best approach would be to 3D Scan an actual truck and then build a CAD model suitable for 3D Printing.



Using a Surphaser 100hsx high resolution 3D Scanner to scan a Lodal refuse hauler from high up



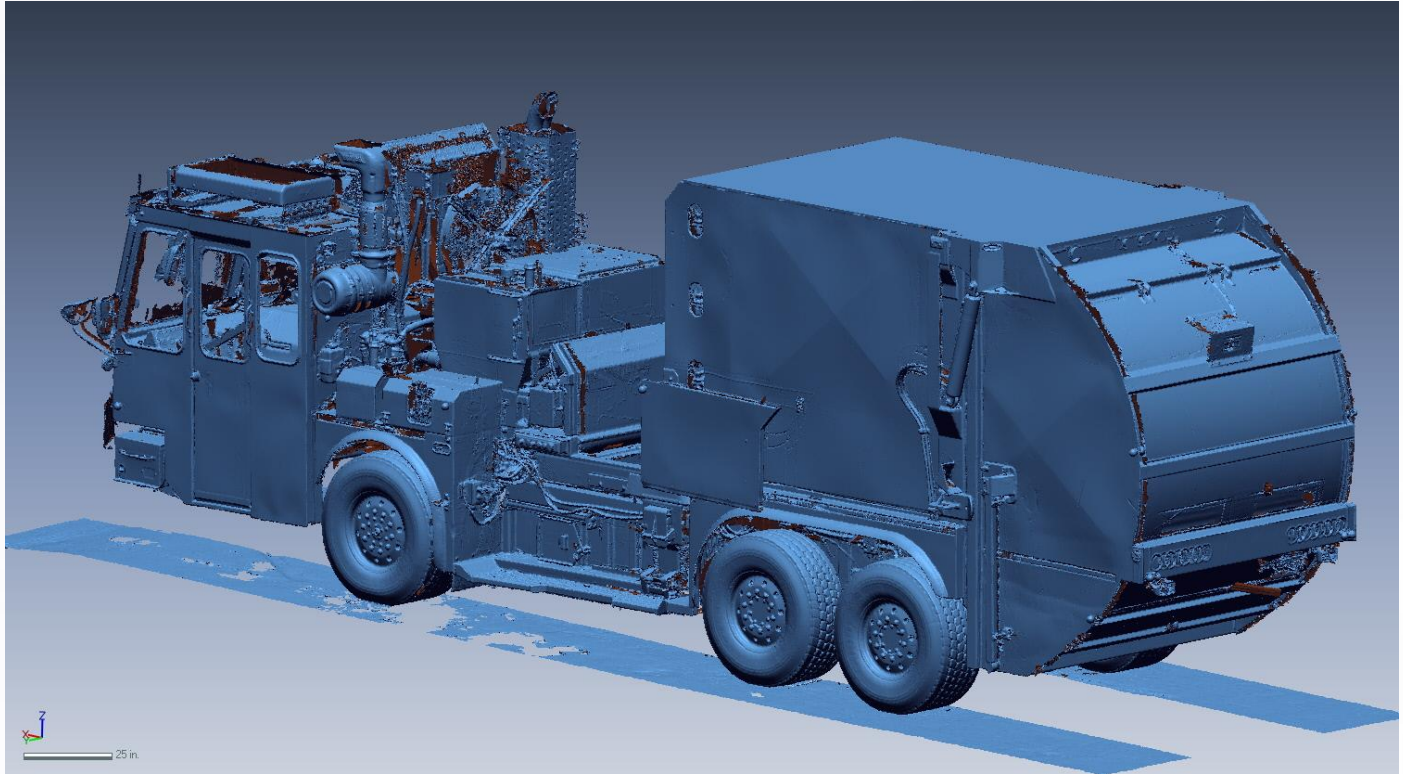
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3D Scanning from ground level as well as high up to capture all the detail of the truck. The Surphaser 3D Scanner is battery operated and remote controlled for quick and easy scanning.



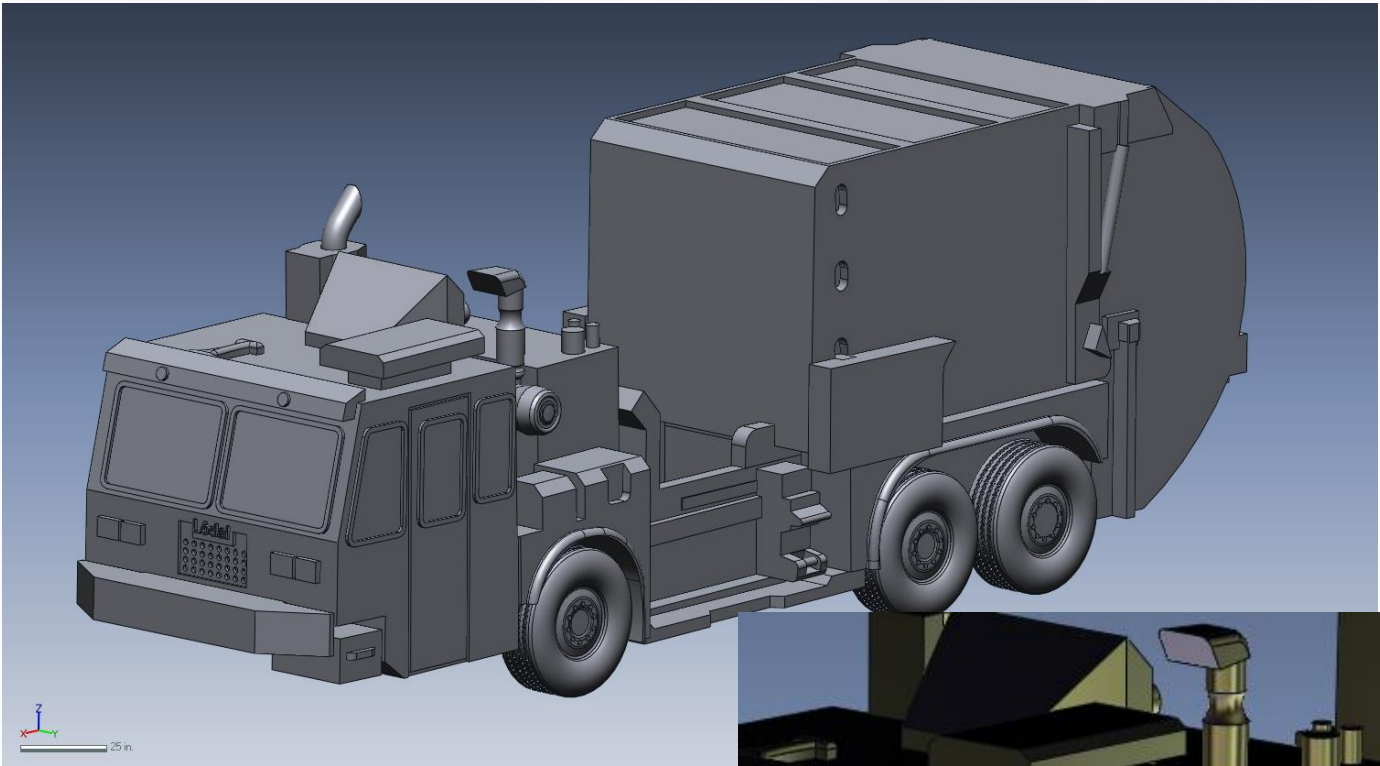
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Polygon data of the refuse hauler. The individual raw point clouds of each 3D scan were aligned and then merged into a high quality polygon model.



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EMS used the polygon 3D Scan data to generate a high quality and accurate 3D solid CAD model that was suitable for 3D Printing.



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Colors and logos are added to the CAD mode for the 3D Printing process.



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Full color 3D Printed model from a ProJet 660Pro 3D Printer. The customer was extremely impressed with the results and wants to do more trucks.