

MORLEY

Precision Measurement Solutions for Manufacturers

Mini Case Study: Boat Manufacturing

Project: Reverse engineer yacht mold

Location: Wendon Yachts - Vancouver Island, BC, Canada

The engineering firm for Wendon Yachts was tasked with a project to reverse engineer a 70ft yacht superstructure mold and increase its length to 80 feet. By using the Faro Laser Tracker we were able to generate a point cloud so that they could make a 3D model and then use a 5-Axis CNC Gantry to machine a new section of the mold. This type of process saves about 3-months of manual lofting and construction.



The Laser Tracker mounted at the aft position measuring points on the mold at taped stations to create a point cloud of symmetrical data.



Looking down at the superstructure mold before the inspection.