

## ***Designers and Builders of Quality Tools and Special Machines***

Celebrating 50 years of Engineered Solutions for your Tooling and Fixturing needs

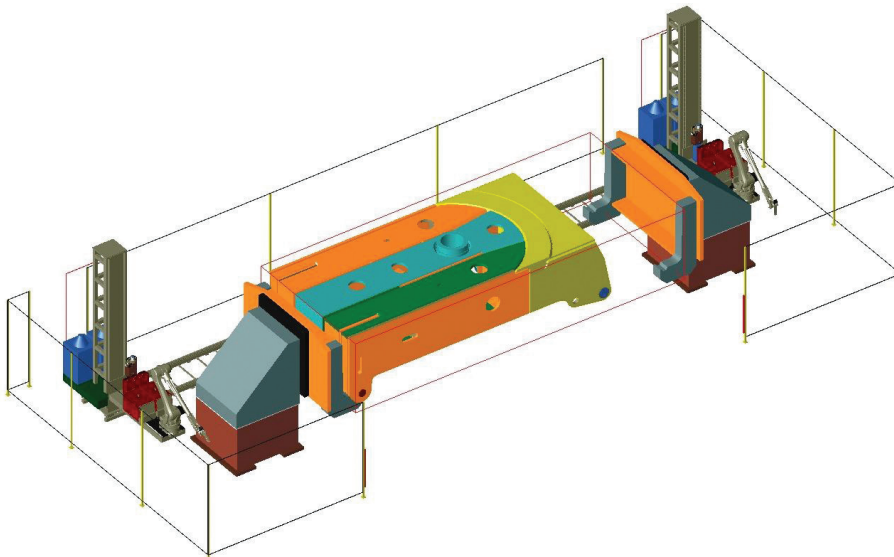
Founded by Pete Holbert in the early 1960's, Holbert Engineering was a local design house serving South Bend, Indiana and a few surrounding states. A few years later, Holbert Engineering grew to include Pete's son, Jack. Jack would later become president of the company, bringing his son, Erik, into the business as well. Today Erik serves as Vice President alongside his father, and together, they have grown this family-owned business to serve customers all over the United States, Canada, Mexico, and Europe.

Holbert Engineering creates custom engineered solutions for your tooling and fixturing needs. Our team of designers and engineers have over 200 years of combined design and design & build experience to address the most difficult tooling requirements, utilizing numerous Computer Aided Design (CAD) Systems.

We offer design and build services for **CNC Fixtures, Weld Fixtures, Trunnion Fixtures, Assembly Fixtures, Tack Weld Fixtures, Work Stations, Gauges, Special Machines, End of Arm Tooling for Weld Cells, and Turn Key Robotic Integration**. At Holbert Engineering, we will travel to your location to create and deliver an engineering solution that meets your needs. In addition to our design and build service, we offer installation service of our custom engineered tooling and fixturing.

Holbert Engineering is an approved supplier to many Fortune 500 Companies, lending our services across a wide variety of industries - from aerospace to heavy-earth moving and agricultural industries. Our wide range of engineering expertise allows us to manufacture simplistic fixtures that utilize manual clamps as well as engineered, hydraulic fixtures that hold and rotate 50,000 pound frames. Our staff designs and builds fixtures utilizing manual, pneumatic, and hydraulic clamps, some in excess of 150 tons.

At Holbert Engineering, we create solutions for your tooling and fixturing needs.



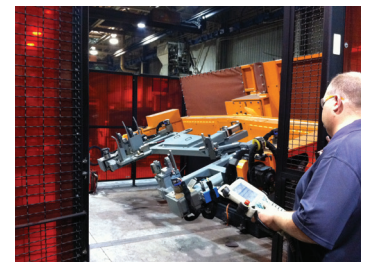
Large Automated weld cell. Overall size 72' at a weight capacity of 200,000 pounds.



Custom Engineered CNC Fixtures. We design and build manual and hydraulic fixtures.



Large Machining Fixtures. No weight or size restrictions.



Custom Engineered Tools for Robotic Automation.



Main Tack Weld Fixtures. No weight or size restrictions. Fixture above holds part weighing 50,000 lbs.

### **CONTACT :**

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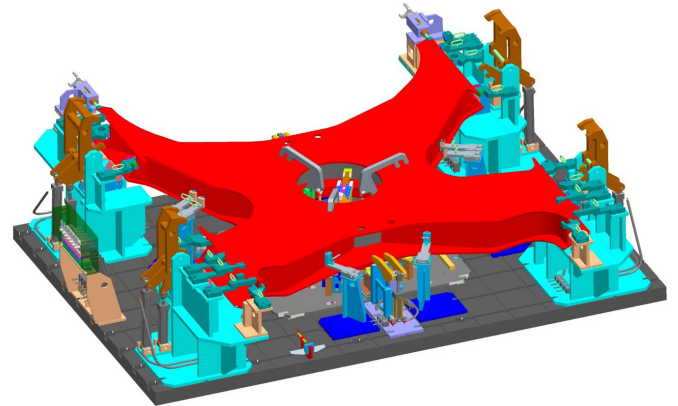


## DESIGN SERVICES

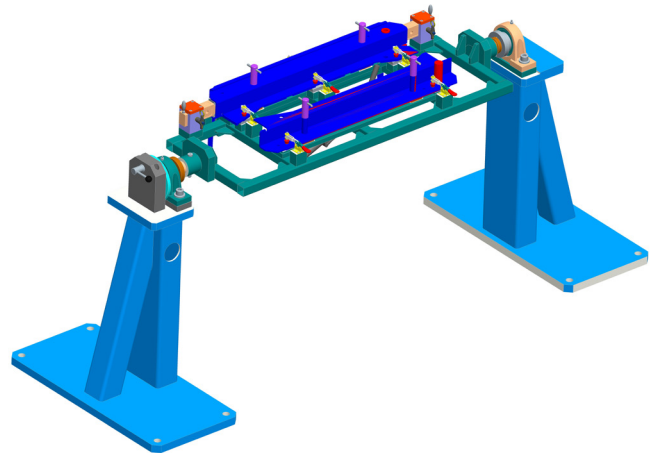
- MACHINING FIXTURE DESIGN
- WELD FIXTURE DESIGN
- AUTOMATION DESIGN
- SPECIAL MACHINES
- TEMPLATE AND PICK OFF FIXTURE DESIGN
- ASSEMBLY TOOL DESIGN
- PLANT LAYOUT DRAWINGS
- PART AND ASSEMBLY RACKS
- PART DETAILING
- DRAWING CONVERSIONS

## ADDITIONAL SERVICES

- TURN KEY DESIGN AND BUILD PACKAGES
- CONSULTATION FOR MACHINING CENTER SELECTION AND TOOLING
- CONSULTATION FOR POSITIONER SELECTION AND SAFETY APPLICATIONS
- CONSULTATION FOR ROBOT WELD CELLS AND FIXTURE INTEGRATION
- SPECIALIZING IN POSITIONING, HOLDING, WELDING AND MACHINING OF LARGE PARTS
- HYDRAULIC PUMP SPEC AND DESIGN
- SET UP AND INSTALLATION



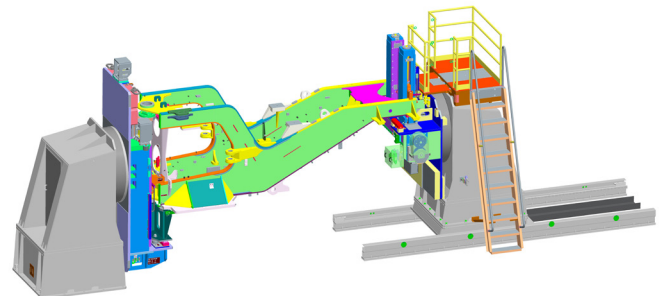
Large Hydraulic Main Tack Fixture capable of running multiple parts with minimal change over minimizing floor space. Fixture above is 15 feet wide by 25 feet long.



Simplistic Manual Trunnion Weld Fixtures.



Large frame structure from Trunnion Fixture at right.



Large Automated Hydraulic Trunnion Fixture. Over all size is 18' high by 42' long. Weight capacity of 50,000 lbs, capable of running (5) models.

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