



Assembly

The Perfect Impression: Taking your project from concept to production.

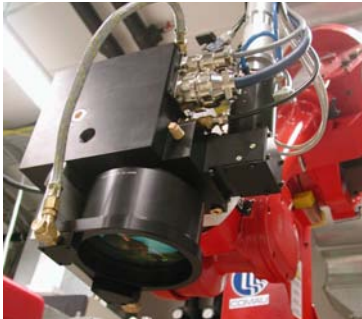


OGIHARA AMERICA CORPORATION provides modular production with just-in-time delivery. Our capabilities feature virtually all of the operations our customers may require under a single roof at world class quality levels and often at significant cost savings. We furnish highly-labor intensive subassemblies and sophisticated automated assemblies in a variety of materials.

Our capabilities include robotic welding, robotic material handling, robotic roll hemming, piercing and riveting. Ogihara America is constantly looking for new and better ways to enhance the service it provides to its customers. We have invested in 3-D white scanning and remote laser welding to keep us at the leading edge of manufacturing processes.

ASSEMBLY EQUIPMENT

— LASER WELDING —



Remote Laser Welding

- 5 Laser Stations
- Cycle time - 0.5 sec/weld (faster than spot welding)
- Saves tooling setup and investment costs
- Does not distort surface

— METHODS —



Assembly Methods

- Spot Welding
- Projection Welding
- Arc Welding
- Piercing, Clinching, Riveting
- Robotic Roll Hemming

— CELLS —



Modular Assembly Cells

- Unique lines dedicated to each product
- Allows cells to be moved in order to accommodate changes in customer needs
- Automatic unloading of parts

TOTAL PRODUCTIVE MAINTENANCE

Practicing Total Productive Maintenance methods we are able to maximize the amount of up time of our assembly equipment.

JUST-IN-TIME DELIVERY

Ogihara America uses Just-In-Time delivery to reduce overhead and lower inventory carrying costs.



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WAREHOUSING AND SHIPPING

- Automatic Guided Cart (AGC) system for material handling
- Just-In-Time shipping method reduces overhead and lowers inventory carrying costs
- First in first out shipping process
- Over 45,000 square feet dedicated to shipping
- 22 truck docks for uninterrupted shipping
- Unique shipping racks for each product
- Full truck and rail services



ENGINEERING

Providing a complete facility for TOTAL Program Management

TOOLING

Providing FULL SERVICE tool manufacturing and maintenance capabilities

STAMPING

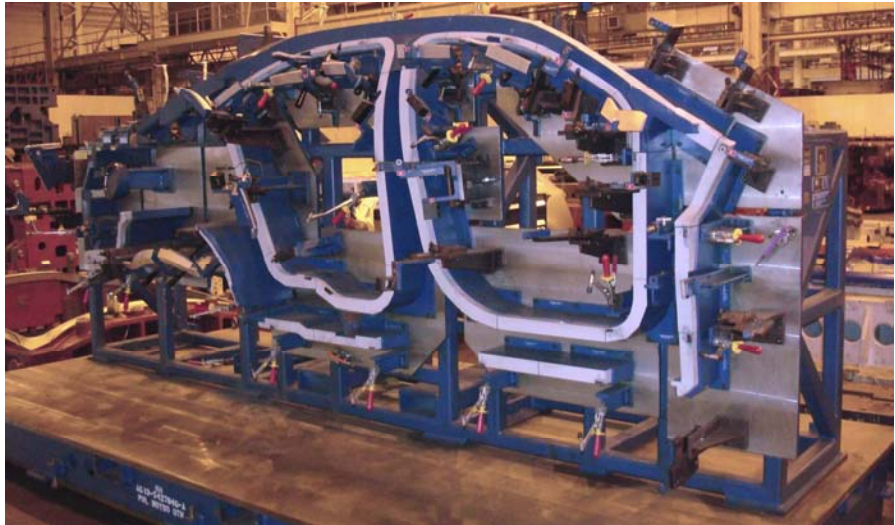
Providing high QUALITY Class A panels and related subassembly

ASSEMBLY

Providing MODULAR PRODUCTION with Just-In-Time delivery

QUALITY SYSTEMS

The assembly department works in conjunction with the quality department to ensure part quality. We test each batch of parts for dimensional accuracy and weld integrity.



Equipment

3-D White Light
 CMM (50 ton capacity)
 Datamytes

Checking Fixtures
 Bushings
 Gauge Track Software

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