

The logo for Fortexmfg is centered on the page. It features a white icon of a stylized arrow pointing to the right, followed by the text "Fortexmfg" in a bold, sans-serif font. The background is a dark, teal-colored image of a modern building's exterior, showing a grid of windows and structural elements. The overall aesthetic is industrial and contemporary.

Fortexmfg

Who Are We?



- Our **vision** is to cultivate a **positive working environment** where as expanding on our **“CAN DO SPIRIT”** catapulting the business inside and outside the automotive industry as well as globally.
- We are a METAL FAB manufacturing company focused in light and heavy fabrication. Our multiple facilities allow custom fab and production line **high volume production**.
- We primarily serve the Automotive industry with multiple manufacturing locations. We are adding Engineering Services to our portfolio which include: Packaging, Manufacturing, Industrial Engineering, Tool Design, and Program Management.
- We offer Competitive Pricing, Robust Quality Processes, On time Delivery, Effective Timely Communication on Projects, and overall a **commitment to integrity working together as a team**.
- We understand the future of the auto industry in next three years poses a major challenge and opportunity for growth, expansion and increased market share.

- Manufacturing Investments.
 - a) OEM's and Suppliers alike will invest "Billions" in plant upgrades, new buildings, and equipment to keep up with the trends.
- Vehicle Architectures improvement plan to avoid costly rework and delays.
- Program to hire more direct staff.
- Partner with strategic supplier that has tools and process to transform the way work is done today and tomorrow.
 - a) Engineering, Design, and Collaboration.
 - b) Manufacturing.
 - c) NAFTA Locations.
 - d) Program management.
 - e) R&D Prototyping.

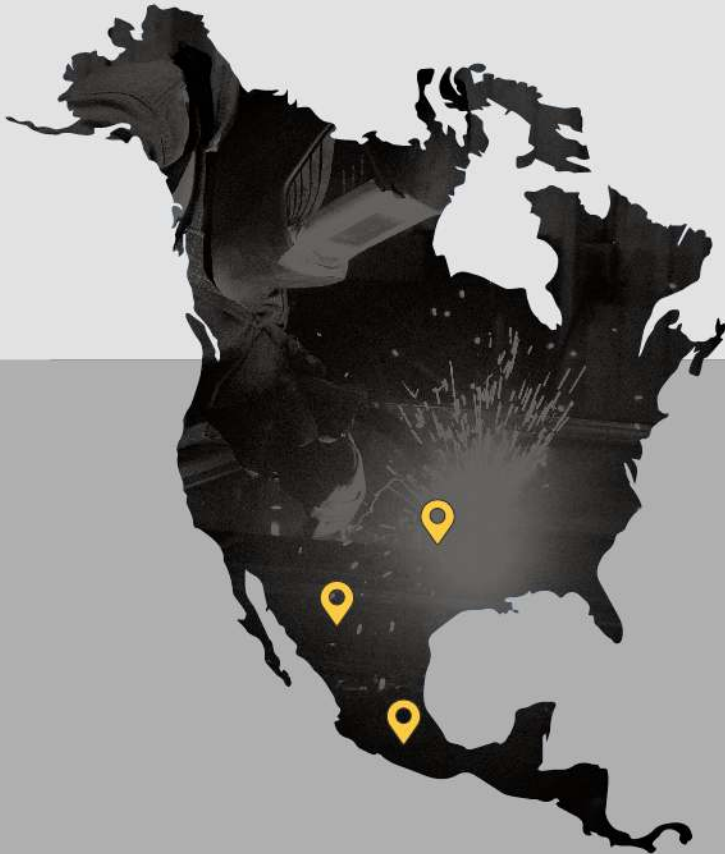
- ✓ MANUFACTURING INVESTMENTS
- ✓ TALENT REQUIREMENTS
- ✓ VEHICLE ARCHITECTURES
- ✓ SUPPLY CHAIN MANAGEMENT



Our Locations

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We have **a full service** and **sustainable presence** in



Cuauhtémoc, Chihuahua, México.



San Juan del Río, Querétaro, México.



Coming soon Dallas Fort Worth, USA.

About our Locations

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Cuauhtémoc, Chihuahua , México Plant.

Space: 87,000 square feet.

Capacity: 600 racks per week.

Attributes: close to Hermosillo Ass., Chihuahua engine plant, and Saltillo Assy El Paso border.



San Juan Del Río, Queretaro, México Plant.

Space: 57,000 square feet.

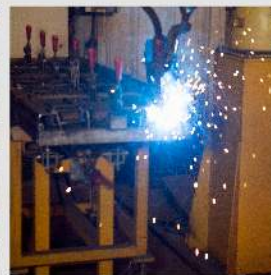
Capacity: 400 racks per week.

Attributes: close to Edo. Mex. ,San Luis Potosí, Celaya, Irapuato, Guanajuato.

Equipment and Facilities

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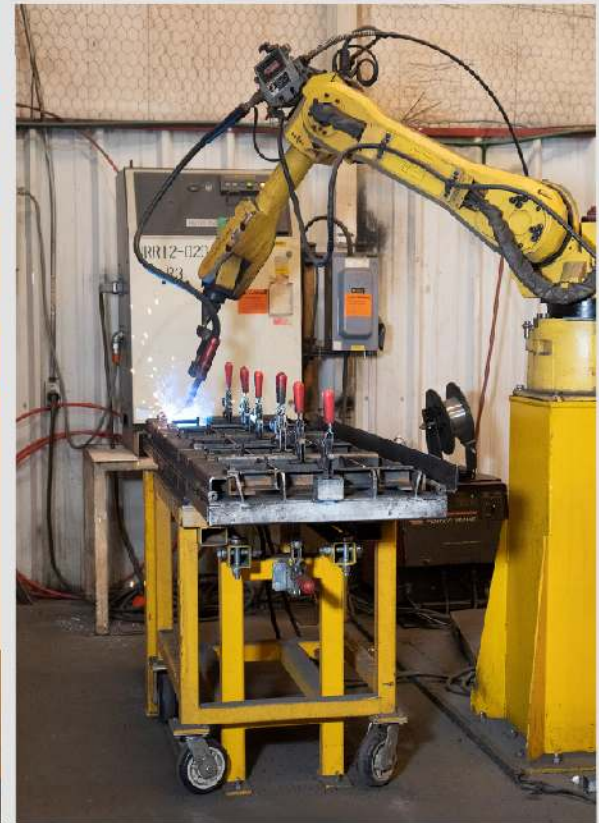
- 8 axis CNC press brakes.
- 40 Robotic Welding Machines.
- Open Area Outside Storage at each facility.
- High capacity cut to length saw.
- Liquid spray in paint booths (Tennessee facility has powder coat booth).
- CNC High Definition Plasma.
- 2 - AMADA - CNC Laser cut machines. 4,000 & 9,000.
- 2 Trumpf Laser Machines.
- CMM Faro Arm – used for quality dimensional verification for robot load/unload systems.
- 3D Printing – prototype dunnage and parts.



Robotic Welding Equipment

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- We currently have 40 robotic weld machines within our multiple facilities.
- Our customers have seen major improvements in quality and consistency of weld in our containers.
- The most significant advantage in using the robotic weld machines is on high volume/ high complexity projects.



CMM Faro Arm Equipment

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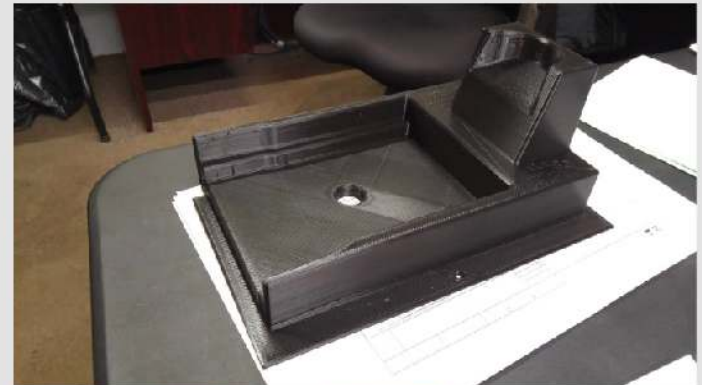
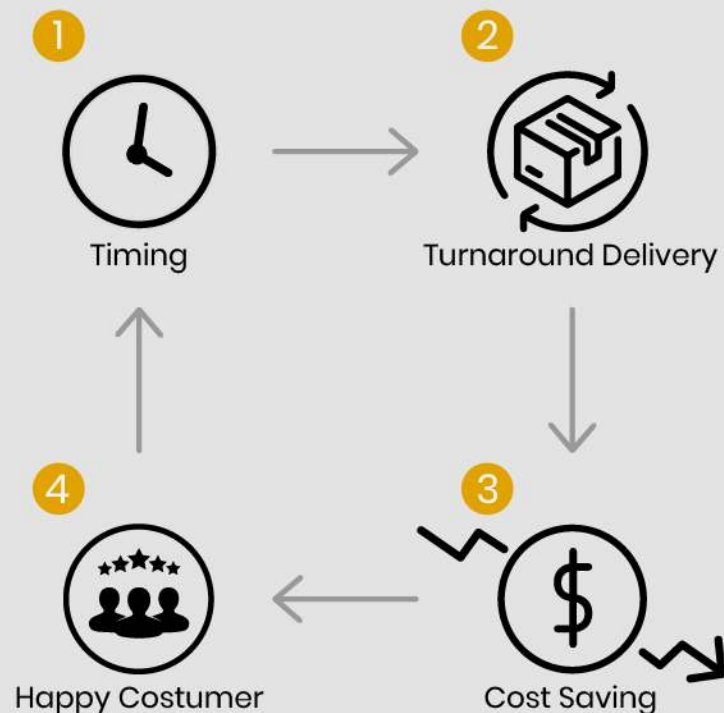
Robotically loaded / unloaded parts (ie. Body side, Roof) have very tight tolerances on critical dimension locations of sub assemblies, cantilever arms, base locator plates. We use our CMM Faro arm to perform quality checkpoints on the critical dimensions for these type of containers. We have performed this service for several of our current customers per their request. This is advantageous on racks / containers that have a high degree of complexity to build .

Building racks with our robotic weld machines coupled with testing the critical dimensions on racks with tight tolerances using our Faro arm provides a higher level of confidence with our customers when building high complexity packaging containers where the production at the plant utilizes robotic load/ unload process.



3D Printer – Parts and Dunnage

Many projects have a requirement to get packaging containers into service quickly. Using a 3D printer to create a piece of dunnage or a simulated production part during prototype build; allows our customer to review packaging containers and approve prototype racks to support critical short lead time projects.



Capabilities

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	Chihuahua Mexico	Queretaro Mexico
Square Footage	87,000 Square Feet	53,000 Square Feet
# of Laborers	120 Weld & Final Assembly 12 - Admin Staff	80 Weld & Final Assembly 6 - Admin Staff
Total Labor Hours available per month	19,200 labor hours / per month Calc: 120 workers x 40 hrs. x 4 weeks	12,800 labor hours / per month Calc: 80 workers x 40 hrs. x 4 weeks
Capacity per month	2,400 Racks Calc: 120 workers x 20 days @ Avg TTB = 6.5 - 8.0 hrs. 1 rack per worker/ day	1,600 Racks Calc: 80 workers x 20 days @ Avg TTB = 6.5 - 8.0 hrs. 1 rack per worker/ day
On Site Engineers	5 design engineers	2 design engineers



Past Rack Build Experience

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CUSTOMERS

> *Recent projects*



- 2015 S550 FRAP.
- 2015 CD539 N.
- 2015 P552.
- 2014 C489 LINCOLN.
- 2014 P473.
- 6.7 L ENGINE.
- 4.4 L DIESEL ENGINE.
- CE31 FRONT DOOR.
- CE32 REAR DOOR.
- 6F/8F MAIN TO TEST.
- 6F/8F CASE.
- 6F/8F CONVERTER.
- TURBO CHARGER.
- CILINDER.

- SUN ROOF.
- DASH PANEL.
- FLOOR PANEL.
- ROCKER INNER.
- SPYDER.
- TRANSMISSION.
- GM SLP.
- 4 CYLINDER ENGINE.
- GM RAMOS.
- 6 CYLINDER ENGINE.
- GM SILAO.
- 8 CYLINDER ENGINE.
- PEG BOARD.
- ENGINE 4 CIL.

- LIFT GATE GLASS.
- THROUGH ASSY.
- LIFT GATE OPENING.
- MANIVERTER.
- FENDERS.
- COWL PLENUM.
- B PILLARS.
- REAR AXLE.
- FRONT BUMPER.
- BODY SIDE.
- HOOD.
- QUATER GLASS.
- WIND SHIELD.
- BLACK SHIELD.

- FRONT DOOR GLASS.
- REAR WINDOW GLASS.
- REAR WINDOW GLASS.
- HVAC.
- BODY SIDE.
- ROOF.
- DOOR FRONT GLASS.
- DOOR REAR GLASS.
- REAR AXLE.
- FRONT AXLE.
- COOLING AIR DUCTING.
- SUNROOF.
- REAR BUMPER.
- FRONT BUMPER.

- B PIPE.
- EXHAUST.
- DOOR FRONT.
- DOOR REAR.
- DASH LOWER.
- CROSSMEMBER.
- HOOD.
- ROOF LINER.
- REAR BUMPER.
- LOWER.
- PIPE EXHOUST.
- SILENCER.
- SPOILER.
- CARPET.

Past Rack Build Experience

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CUSTOMERS

> *Recent projects*



- ESTRIBO.
- REFUERZO DE COSTADO.
- CAJA DE RUEDA.
- BODY SIDE.
- FASCIA DELANTERA ROH.
- FASCIA TRASERA ROH.
- FASCIA DELANTERA.
- PINTADA BETTLE.
- FASCIA TRASERA PINTADA.
- BEETLE.
- SPOILER TRASERO.
- PISO DELANTERO.

- ROOF.
- BODY SIDE.
- REFUERZO DE COSTADO.
- CAJA DE RUEDA.
- PISO TRASERO.
- BUMPER TRASERO.
- BUMPER DELANTERO.
- PISO DELANTERO.

- CABLE TRIFÁSICO.
- MODULO HÍBRIDO.
- WINDSHIELD.
- BACK SHIELD.
- PUERTA DELANTERA.
- PUERTA TRASERA.
- HOOD INNER.
- TAPA TRASERA.
- DUCTOS DE GASOLINA.
- PEDALES.
- DUCTOS DE FRENOS.
- BASE GIRATORIA.
- CANASTILLA GRANDE.
- EJE KARDAN.

- CARPET.
- PIPE EXHAUST.
- CHASIS LARGO.
- CHASIS CORTO.
- ROOF C CAB.
- ROOF D CAB.
- PIN PALLETS.
- ENGINE.
- ALUMMINUM.

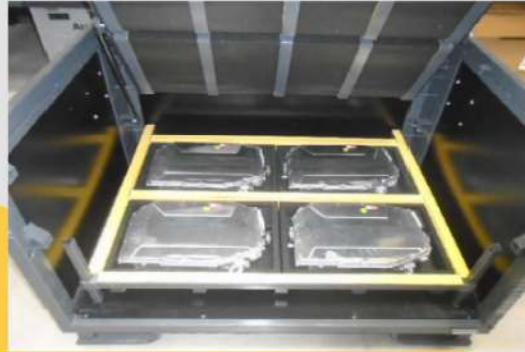
- SHOOTER.
- CANASTILLA RB.
- BODY SIDE.
- ROOF.
- HOOD.
- PUERTA DELANTERA.
- PUERTA TRASERA.
- PISO DELANTERO.
- REFUERZO.
- COSTADO.

Rack Build Experience

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Transfer Case Rack



Hybrid Electronic Module Rack



Spoiler Rack



Body Side Rack



Door Rack



Cowl Top Rack



Engine Support Rack



Power Pack Rack



Reinforce Roof Rack

Rack Build Experience

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Windshield Rack



Front Door LH/RH



Rear Door Auto Taken Robot Rack



Trifasic Hybrid Cable Rack



Break Pipes Rack



Pedal Rack



Pilar B Rack



Roof Panel Rack



Rear Axle Rack

PROGRAM MANAGEMENT

Fortex MFG has over 60 years of intense, highly passionate and well seasoned Program Management experience. It is with laser sharp focus and superior communication skills that they can manage a variety of multi-disciplined projects. These PM's are an extension of the OEM and develop a strategic bond that aligns with a total program solution for success. This success is achieved by managing:

- ✓ Team Developed Communication Strategy.
- ✓ Program Objectives.
- ✓ Process Management.
- ✓ Resource Management.

(Returnable/Expendable)

CONTAINER DEVELOPMENT RESOURCE CONSIDERATIONS

- Safety.
- Ergonomics.
- Quality.
- Logistics.
- Product Engineering.
- Industrial Engineering.

CONTAINER DEVELOPMENT PROCESS

Phase I – Pre-Concept
Phase II – Concept
Phase III – Design
Phase IV – Prototype
Phase V – Testing
Phase VI – Procurement
Phase VII – Support

PROGRAM MANAGEMENT

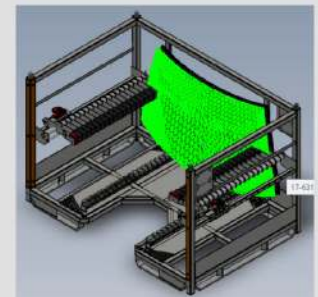
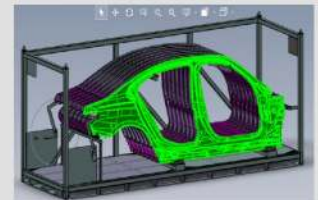
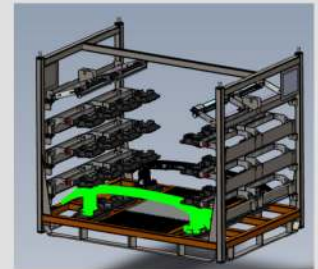
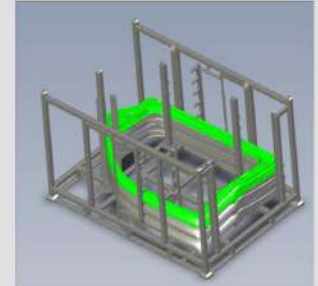
- Communication.
- Program Objectives.
- Process Management.
- Resource Management.
- Schedule Management.
- Financial Management.
- Change Management.
- Risk Management.

COST EFFECTIVE RETURNABLE / EXPENDABLE CONTAINER SOLUTION

Handling Engineering

Fortex MFG's core backbone of manufacturing, coupled with our Top Tier Project Managers allows us to be your one stop shop. Our PM's will handle every facet of your Packaging programs from complete design of your racks / containers / dunnage, prototype build and all the way through production launch. A snapshot of our services include:

- Team Developed Communication Strategy.
- Implement World Class Manufacturing Principles.
- Commodity Specific Program Management.
- Container Right Sizing.
- Budget Management and Reconciliation.
- EBOM Analysis.
- Unit Load Data Sheets with work instructions.
- Logistics Studies.
- Program to Program Lessons Learned Documentation.
- Sourcing Justifications and Field Order Change Control.
- Document meeting discussions, decisions, and outstanding issues.



Fortex MFG has incorporated design as a core practice from day one. Our diverse background from other industries makes way for our designers to draw experience from complex ranch trailerst to simple weld stands.

We offer the following services in Design Engineering:

- Team Developed Communication Strategy.
- Secure File Transfer.
- Multiple CAD Media Types:
 - › Solid Works.
 - › CATIA V5.
 - › NX Unigraphics.
- FEA Analysis.
- 3D Printing and R&D.
- Gauge and Fixture Design.
- FARO Testing.
- Direct to Laser or Plasma Files.
- Online Design Reviews.
- Mobile Workstations.
- Reverse Engineering.
- Standards Creation and Library Storage.





Sales / Program Management

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