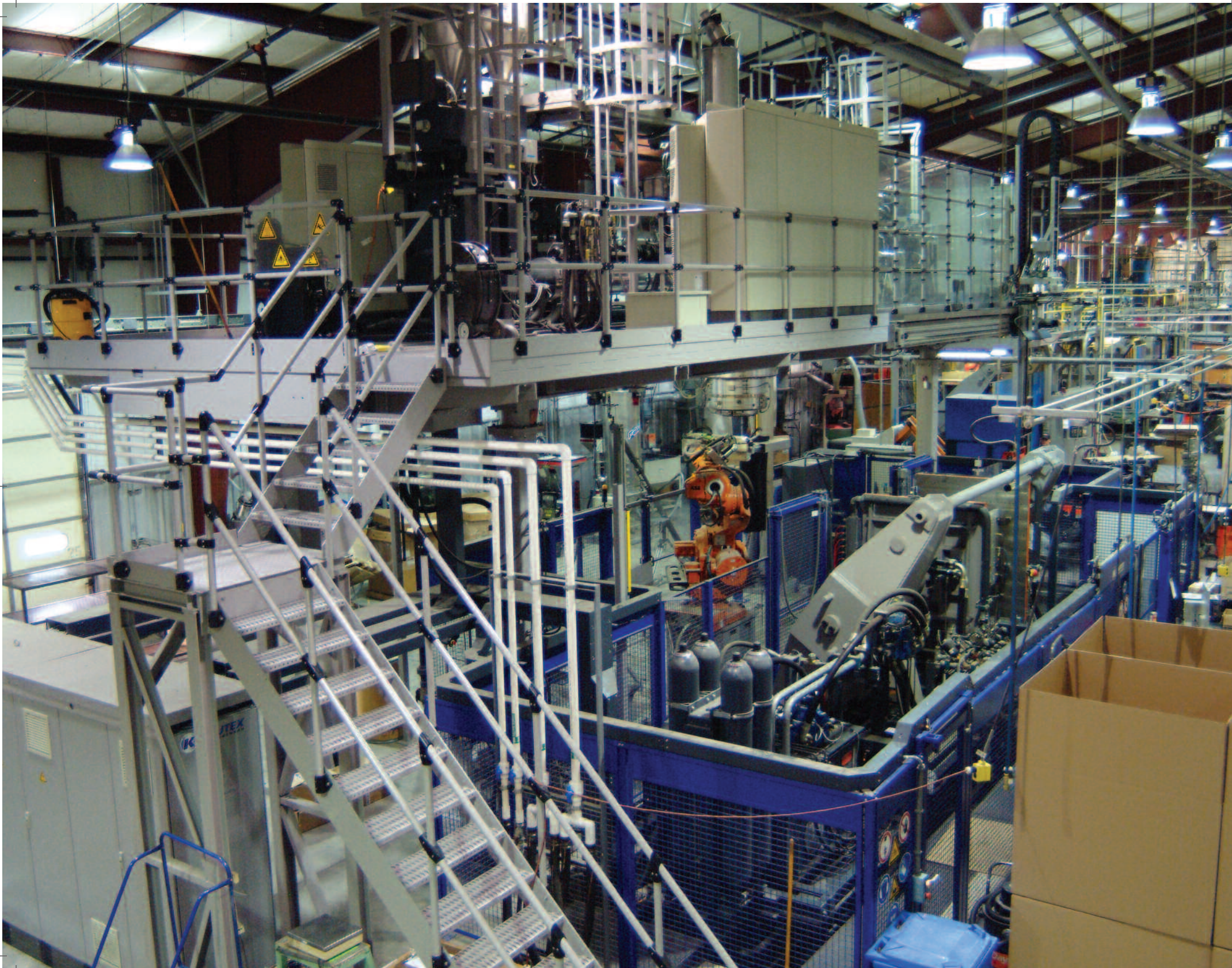




**NON-AUTOMOTIVE FUEL TANK  
SYSTEMS AND FLUID VESSELS**

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## EPA COMPLIANT FUEL TANKS

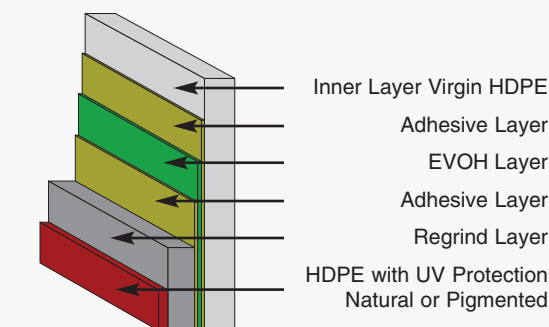
Agri-Industrial Plastics Company is a complete fuel tank solutions company. Depending upon your specific design and application, we can offer Multi-Layer Co-extrusion, Mono-Layer HDPE Fluorinated or Monolayer engineering resin fuel tanks where applicable. Our engineers have the right experience to help you meet your CARB and EPA fuel system requirements. Agri-Industrial Plastics Company has the capabilities to assist your company in the design and production of non-automotive fuel tank systems to meet your specifications.

### MULTI-LAYER CO-EXTRUSION

Agri-Industrial Plastics Company was the first industrial blow molder in North America to invest in continuous co-extrusion (COEX) multi-layer blow molding technology to produce non-automotive fuel tanks. In 2005, we installed our first Kautex (COEX) multi-layer blow molding machine. This multi-layer blow molding technology that was originally developed for the auto industry is used to create a six-layer structure with a separate barrier layer to reduce fuel vapor permeation. Each layer is extruded individually through separate extruders that converge into a single extrusion head. Six-layer continuous co-extrusion blow molding technology is considered the gold standard in fuel vapor emissions control in the market today. The new Kautex machine offers proven technology and is capable of producing tanks ranging in size from 3 to 50 gallons, depending upon tank geometry.

Six Layer construction, polyethylene & EVOH  
 Meets CARB Section 2766 low-permeation  
 Up to 50 gallon (189 litres)  
 Permeation @ <50 mg/m<sup>2</sup>  
 Temperature range:  
 160F (71C) continuous  
 180F (82C) intermittent  
 Impact-resistant  
 UV-resistant  
 Chemical-resistant  
 Encapsulation or hot plate welding of tank features

Complete tank assembly options include  
 Caps  
 Fittings  
 Fuel Lines  
 Hoses  
 Inserts  
 Level senders  
 Multi-point pickups  
 Pumps  
 Pump / Flange Assemblies  
 Quick Connectors  
 Rollover valves  
 Barcode Labeling



## MONO-LAYER HDPE FLUORINATED

Another option for meeting current EPA fuel vapor emissions requirements is fluorination of mono-layer HDPE fuel tanks. This secondary fluorination process (out-sourced to a third-party supplier) improves the barrier properties of the tank surface to meet current fuel vapor emissions standards. Fluoro-Seal International LLC (fluorination treatment supplier) has located a treatment facility just 25 miles from our manufacturing site. This close proximity to Fluoro-Seal means that our customers can minimize the added freight costs involved with this secondary process and assembly.

### MONO-LAYER ENGINEERING RESINS

In addition to our capabilities with mono-layer HDPE and multi-layer co-extrusion systems for blow molded fuel tanks, we also continue working with industry leading resin producers to validate engineering resins being developed as mono-layer solutions to meet EPA fuel vapor emissions standards.

As the material producers continue their efforts at developing alternate material solutions to meet the EPA requirements, Agri-Industrial Plastics Company will continue to stay on top of any breakthroughs in this area. Our production capabilities make us the ideal partner for material suppliers to run trial projects and to prove the viability of their new material solutions.





## FLUID VESSELS

Agri-Industrial Plastics Company also has extensive experience in producing coolant overflow tanks, de-aeration tanks, oil reservoir tanks, hydraulic fluid tanks and various other fluid vessels for the non-automotive vehicle markets.

### MATERIAL EXPERIENCE

During the design phase, it is important to select the right material for your product requirements. At Agri-Industrial Plastics Company, we have the resources and expertise to assist you in material selection. Our engineers are familiar with resins ranging from high-density polyethylene and polypropylene to ABS, polycarbonate, nylon as well as other extrusion grade engineering resins and will consult you through this complex selection process.

We have developed working relationships with a network of leading material suppliers. When necessary, we can leverage their resources to support the development of key projects in order to create the most viable and cost-effective solutions possible.

