



Hyundai Motor Manufacturing Alabama, LLC
 700 Hyundai Blvd.
 Montgomery, AL 36105

Visitor Center Hours: Mon-Fri 9:00 a.m.- 4:00 p.m.

For tour information and reservations,
 go to www.hmmausa.com, or call 334-387-8019.



HMMA is a \$1.4 billion commitment to the American market. This state-of-the-art factory not only assembles high-quality Hyundai vehicles; it provides thousands of jobs in Montgomery, Alabama, and the surrounding area. Everything we know about quality and reliability is finding its way into each new car we build. It's Hyundai like you've never seen before.



Basic Facts

- Investment:** \$1.4 billion
- Facility:** 3.2 million square feet
- Property:** 1,744 acres
- Grand Opening:** May 20, 2005
- Capacity:** 300,000 vehicles/year
- Vehicle Models:** Hyundai Sonata
Hyundai Elantra

Hyundai Sonata

The Sonata has taken the lead in an exciting new wave of Hyundai design called "Fluidic Sculpture". The California influence is evident in its forward-thinking style, fusing beauty, performance and efficiency in one complete package. Sonata has achieved a 5-star crash rating from the National Highway Transportation Safety Administration.



Hyundai Elantra

The Elantra represents a modern approach to the traditional compact sedan segment, using emotional design and luxury features. Hyundai's signature hexagonal front grille and detailed swept-back headlights give Elantra a compact athletic face. Elantra's fuel economy is 29 mpg city and 40 mpg highway.



Items of Interest

History: In April 2002, Hyundai Motor Company announced it would build the company's first United States assembly and manufacturing plant in Montgomery, Alabama. Over the next three years, the site was cleared, facility construction was completed and Team Members were recruited to build various phases of the 2006 Sonata - from trial cars to saleable vehicles. The plant's grand opening was held on May 20, 2005. With more than 2,500 Team Members producing 300,000 quality vehicles annually, the future looks bright for Hyundai Motor Manufacturing Alabama.

Suppliers: Building a successful line of vehicles is only possible with the help of an outstanding supply team. HMMA relies on over 70 suppliers from 15 different states, and two bordering countries, Canada and Mexico. Our suppliers, based in 17 counties throughout Alabama, have invested in excess of \$550 million, thus creating 6,000 new jobs.

Team Members: Production and maintenance Team Members were hired from within Alabama. Managers and other professionals were recruited from various areas of the automotive industry. Korean Team Members serve HMMA in management, training and quality control capacities, blending two unique cultures into one outstanding work environment.

Quality: Quality checks are built into each step in the production process. Each vehicle has to pass a series of stringent tests, including performance on a two-mile test track.

Safety and the Environment: Team Members are our most valuable resource and the facility's safety team ensures all practices and procedures are designed with each Team Member's personal safety in mind. HMMA uses ergonomics, the science of equipment design, to maximize productivity while reducing fatigue and discomfort, to ensure our Team Members' health. HMMA has implemented an Environmental Management System (EMS) which establishes our commitment to preserve the environment through Prevention, Improvement and Conformance.

Preservation of the environment for the benefit of our local community is the responsibility of all HMMA Team Members and those conducting any activities on behalf of HMMA. Our Environmental Management System is an integral part of everyday business practices along with managing productivity, costs, quality, and safety.

Community: Our Team Members are also dedicated to the community. We encourage literacy by donating books and school supplies. We read to area school children. We donate the gift of life during on-site blood drives, pledge money to the River Region United Way and help to improve the homes of those in need. Our Team Members make a difference in the community.

Stamping Shop

In the Stamping Shop, the vehicle begins to take shape. Housed in the shop are large rolls of steel, weighing between 20,000 and 40,000 pounds each. Cranes are used to lift the rolls and put them into the blanking machine, where rectangular pieces, thinner than a dime, are cut and stored in racks. The pieces are automatically moved to one of two large, stamping presses with dies molded into various shapes. Over 5,400 tons of pressure transforms the steel blank into a specific body part.



Welding Shop

The Welding Shop contains 280 robots capable of maneuvering and welding body parts. These amazing automated machines position stamped body parts and accurately weld them together to form the vehicle body, called a "body-in-white." Both the Sonata and Elantra vehicle bodies move down the same assembly line at HMMA. Team Members attach hinges, doors, hood and trunk, then check the quality of each car body to confirm the welding process is perfect.



Paint Shop

The completed "body-in-white" moves from the Welding Shop, along a trestle into the Paint Shop for the nine-hour painting process. The vehicle first rotates 360 degrees in a unique electrocoat bath to prepare the entire body for paint. Eighty-one robots apply primer, a base coat using one of 15 different water-based paint colors, and a final clear coat which provides a beautiful shine and long-lasting protection. Since the Paint Shop is an environmentally-controlled area, Team Members must wear special

overalls and gloves to protect themselves and the paint's finish. A single particle of dust can affect the overall quality of a vehicle's paint finish. The Paint Shop has over four miles of conveyor systems to move the vehicle bodies through each different process. After drying, the freshly-painted vehicle body heads to General Assembly.



General Assembly

General Assembly Team Members install a variety of parts to complete the vehicle. The painted vehicle body moves through the trim area where wires, brake controls, and other parts are quickly connected inside the vehicle, under the hood, and in the trunk. The doors are taken off early in the process and sent to another area where speakers, power windows, door seals and other parts are installed.



In the chassis area, the underside of the vehicle is completed and the engine and drive train are connected to the body. After the tires, battery, front and rear glass, and seats are installed, the doors are reattached to the vehicle. Oil, engine coolant, gasoline and other vital fluids are added, and then the vehicle is started for the first time. A roll booth tests the braking system and then the vehicle is driven on a two-mile test track to check for rattles or other issues. A shower test checks for leaks and once a vehicle meets all quality standards it is ready to be shipped to a dealer in North America.



Engine Shops

HMMA takes pride in having its own Engine Shops. HMMA builds its own Theta 4 cylinder Gasoline Direct Injection and Turbo engines. These modern engines generate 200 and 274 horsepower respectively. Castings of engine blocks, heads and crankshafts are delivered from suppliers and machined to HMMA's exact specifications. Over 150 computer-controlled machines perform precision cuts to these engine parts. A sophisticated test laboratory performs precision computer measurements to ensure the machining process cut and drilled the metal to proper specifications.



After machining and precision measurement testing, the parts are moved along a conveyor system to engine assembly where Team Members follow detailed procedures to assemble pieces of the engine. All engines are first cold-tested for leaks, then hot-tested,

by starting the engine to ensure it meets manufacturing specifications. A Hyundai transmission is then married to the new engine to complete the assembly process. After a final quality check, the engine is sent on a trestle to the chassis section of General Assembly where it is attached to the drive train and the rest of the vehicle.

