Automotive Systems
Surface Technology
Material Handling
Environmental Technology
Innovations and strategies for the optimization of manufacturing, process engineering and logistics within the plant are our daily business. EISENMANN builds facilities for surface engineering, material flow automation, environmental technology, firing lines for ceramics and specialized facilities for coating, recycling, thermal treatment and energy recovery. Approximately 2,400 employees, half of which are engineers or technicians, are developing new ideas worldwide for your future manufacturing, assembly, paint shop or distribution departments. Among them are experts and specialists with well-founded knowledge from various fields and trades. This is highlighted in made-to-measure concepts, the most modern technology and a high degree of economy.

Another result of our rational production and assembly strategy is that our own manufacturing centres are fine-tuned to individual customer wishes. They enable the manufacture of a system configuration tailored to your specifications right on site.

A significant contribution to heightening quality and adherence to deadlines is made by our unique assembly concept. When dealing with complex systems, we set up the entire system in our assembly hall prior to delivery to test every facet. Only when the tests have been successfully passed do we deliver the pre-assembled units to the customer. You benefit as assembly time is reduced to the absolute minimum and allows installation during production.

Of course, we will be there for you after installation as well if required: Our after-sales service handles professional maintenance, quick repairs and the immediate provision of spare parts.

Not only do we offer modern plant engineering, but also future-oriented business models. After all, it was EISENMANN who realized the first B.O.T. model in automobile painting.

This is EISENMANN

EISENMANN Technology Park in Holzgerlingen
From body shop to final assembly: Efficiency in the automotive industry

EISENMANN puts automobile factories in motion - with intelligent plant engineering which efficiently supports and accompanies the process of creating a vehicle. From the first components in the press and body shop via paint shop and final assembly to the finished automobile. Always with absolute precision, sophisticated logistics and perfect service. Not only with automobile manufacturers, but also with their suppliers.

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For a perfect finish: As a general contractor, EISENMANN supplies complete coating lines and turnkey paint shops, including buildings and utilities.

Good ergonomics for workers, high quality for products: Assembly line from EISENMANN.

Ecology comes along: EISENMANN environmental technology cleans exhaust air and water.
Perfect colour design and excellent surface quality distinguish any high-grade automobile, both in the showroom and much earlier when the freshly painted car body is gleaming in the striped light of the inspection lamps, showing its superb finish.

This is the result of a paint shop which continually delivers first-class results and operates economically, securing full advantages in international competition for you. Here’s our part in it. We completely develop the facility concepts and technology with which you attain these goals for all aspects of your painting process, regardless of whether you use water-based paint or powder coating. From A for Application via E for Electro-coating and S for Supply air system all the way to U for Undercoat. With spray booths and workstations in the EISENMANN “Clean Wall Design”. Equipped with the highly flexible painting system “VarioRobot”.

Our advantage as the general contractor who plans, engineers and builds an entire turnkey painting plant for you. We also take care of all construction measures and the required utilities.

Environmental protection is always included anyway. Our engineers place high value on energy and water saving processes and modern paint recycling. The required know-how comes from our own environmental technology department. Not only do you conserve important resources – you also reduce your operating costs. The route to coating lines for automobile mounting parts does not pass EISENMANN by either. Especially not as far as the coating of bumpers, mirror housings, front ends and other plastic vehicle components is concerned. With more than 200 plastic paint shops installed, we count as a world market leader in this sector.

Similarly with wheels: Our fully automated systems for coating light alloy wheels are a big seller all around the globe – due to their high degree of automation, their first-class surface quality and their excellent economy.

Surface Technology

Now for the first time with an individual dipping curve: EISENMANN VarioShuttle for pretreatment and electro-coating EC.

VarioShuttle electro-coating: final rinse with ultrafiltrate.
Whether in South Africa, Europe or North America – the VarioShuttle always immerses the car body with an individual dipping curve.

Complete coating line in China with EISENMANN mit VarioRobot® and the Clean Wall Design.

Application with VarioRobot® in the Ukraine.

Application Technology.
Paint shop in an automotive plant in Russia

Selectivity buffer with skid conveyor system

EISENMANN paint supply systems.

Seams sealed automatically.

Cavity sealing.
Logistics require intelligent solutions. This is especially true in an automobile factory where complex processes must interact like cogwheels. It seems logical that only ultra-modern plant engineering with perfect hardware and software is applied here.

After all, the automobile is a high-tech product in itself. Why, for instance, should such a promising system as the CAN-Bus which is applied in vehicle electronics not also control the electric monorail system on which the painted body floats to its marriage? Why should the storage-and-retrieval unit in the parts warehouse not obey the principles of light construction?

We consider all these points in order to provide you with an efficient logistics system. However, they alone are not enough to organize the material flow of such a finely spun web as the final assembly or body shop perfectly.

We are concerned with more than the optimum technology for just one individual conveyor. For us, the performance of the entire system is decisive and we provide precisely what you need. Perhaps it is the compact layout which fits seamlessly into your existing plant structure. Or the precise integration of the assemblies sequenced from the supplier park into your assembly process. Or the adequate combination of the conveyor system components which come under consideration, and their reliable interaction in terms of electronics and mechanics. Or the desired degree of automation.

Our advantage for you is due to our wide product range. We can always offer you the best solution. This is regardless of what task you give us, whether it be to store and distribute pressed parts, pick body part kits and convey them to the body shop just-in-sequence, form colour sorting buffers in the paint shop, provide the means of conveyance and the mobile workbenches for components such as the cockpit, bumper and front end. Or we can supply the complete final vehicle assembly, which we will set up as a turnkey system as your general contractor, with skillet conveyors and electric monorail systems based on inductive power supply and data communication. With such systems, you are well equipped for the future, no matter what.
Electric monorail system with lifting chain hangers in final assembly line.

Body shop conveyor systems linking welding lines.

Final assembly line.

Electric monorail system linking supplier park and final assembly.
Skillet conveyor serving as mobile workbench.

Automotive marriage on skillet conveyor: The motor, gears and axles join the body floating in on the electric monorail system.

Completion of assembly: Workers carry out specified checks and top up the required fluids.
n intact environment and modern automobile production are by no means contradictory. On the contrary, they move hand in hand. Among other things, they accomplish this with the aid of sophisticated technologies which shape vehicle construction to harmonize with ecology.

EISENMANN offers a wide product range with equipment specifically tailored to your field of application. From exhaust air purification via waste water treatment right through to the production of ultra-pure water, the recycling of reusable substances or energy recovery. There is always a big plus you profit twice – from our specialized know-how in matters of environmental technology and from our comprehensive engineering competence in manufacturing and process engineering. This enables us to plan your facility so that emissions or bothersome residues are, wherever possible, not created in the first place.

Heat reclamation from processes flows from one facility sector back into another in the form of energy.

That is how EISENMANN gives you all-round solutions. It is the perfect symbiosis of economy and ecology, so that your customers will enjoy driving your cars having a clear conscience.
The EISENMANN Service offers an extensive range of services. These are tailored individually to the customer’s needs, thereby taking the know-how of the customer's employees, the cost structure, the processes and the need for expertise into consideration. Therefore, we regard ourselves as system providers when it comes to meeting the individual customer's requirements.

**Inspection**
We determine the actual state of your system by conducting inspections and then inform you about the weak spots and possibilities for increasing your performance, or let you know if there is an urgent need to take action.

**Servicing**
In order to determine the target state of your system, our specialists not only conduct the servicing, but also carry out mechanical and electrical check-ups and safety tests. Routine servicing guarantees an optimum functioning of your system and increases its service life.

**Repair**
Our maintenance team also carries out any necessary repairs and component replacements of course.

**On-call Service**
We offer you a 24/7, on-call service conducted by our Service specialists, which is based on a mutually agreed response time and customised to your own specific shift operation and production times.

**Maintenance contracts**
You can rely on EISENMANN Service. We offer you customised Maintenance Contracts for your system. You are reminded in good time of the next routine service which is carried out by qualified engineers. This enables you to plan the costs on a continuous basis and reduce the system downtimes by taking preventative measures.

**Full service**
Due to our excellent experience gained in the construction and operation of highly automated industrial systems and factories, we are able to take over the entire maintenance of your system, allowing you to fully concentrate on the key processes of your business.

We guarantee system availability at all times, and the value of your systems is preserved long-term through:

- Preventative maintenance
- Troubleshooting
- Repairs

The EISENMANN Service is your first contact for system reconstructions or extensions, whether for paint-spraying and environmental technology, or for process technology and materials-handling. We adapt your systems engineering to new conditions if, for example, you should wish to increase your throughput, or the product dimensions or weights have changed, or if your space planning necessitates this. We likewise offer you a first class service where production relocation is concerned.