

Some cases of SMC molds made by MDC

The following is to introduce the cases that MDC has done for customers. The coverage is very broad, not limited to the following scope. If you have an order, please remember to contact us!

The Application of SMC Mould in the Front Panel of Foton

Daimler Automobile



Let's first understand the role of the car front panel mold!

1. It can play the role of spoiler, and to a certain extent, it can beautify the engine compartment. At the same time, it can also isolate

the noise generated by the engine during operation and improve the driving comfort.

2. It can play the function of dustproof and reduce dust on the engine. Moreover, many wires and managements in the engine compartment are exposed outside, and the weather is exposed to the wind, sun, rain and wind all year round, and the aging speed is very fast. If there is this front panel, it can play a good protective role and delay the use time;

3. can play a role in sound insulation. In addition to wind noise and tire noise, the biggest source of noise is engine noise, and the front panel can play a good role in sound insulation.



Usually, most of the materials used in the front panel of automobiles are metal materials, steel plates, carbon fibers, aluminum,

reinforced plastics, etc., and these materials have shortcomings such as easy aging, poor compressive performance, and poor heat dissipation. Therefore, SMC materials have been continuously used in the market. , used to make automotive front panel molds. SMC molds have many advantages, such as good compressive performance, light weight but high strength, easy heat dissipation, etc. It has been proved that SMC molds are more suitable for applications in automobile manufacturing.

We are proud to manufacture SMC front panel molds for Foton Daimler, which we build with a Class A finish. From design to mold shipment to customer, the MDC team took less than 10 weeks. For such an outstanding achievement, the Foton Daimler team highly appreciates our work and tooling.

The application of SMC mould on tractor



We previously knew that SMC composite materials and their SMC molded products have excellent electrical insulation properties, mechanical properties, thermal stability, and chemical corrosion resistance. Therefore, its application range is very wide, involving industry, medical, automobile, bathroom, etc. In the field of automobile industry, not only cars, etc., the tractor we are talking about today, many of its parts also use SMC molds.

At present, most of the side panels, top cover and roof of tractors use SMC molds, because these parts have strict requirements on the strength of the tractor and pursue lightweight, and SMC molds just meet these needs.



The application of SMC mold on bus bumper



The daily life of the bus is also often seen. The passenger capacity of the bus is relatively more than that of the ordinary car and other means of transportation, because the coefficient of safety requirements for it is very high.

We all know that the purpose of the bumper of a car is to block some damage and play a buffering role during a collision. The bumper itself can absorb it in a low-intensity collision, while in a high-intensity collision, the bumper can transmit and disperse the force. The effect of buffering is then transmitted to other structures of the body, and finally relies on the structural strength of the car itself to resist the impact.

In the past, the front and rear bumpers of cars were mainly made of metal materials, generally stamped from steel plates, and riveted or welded with the frame longitudinal beams, which was expensive and heavy. At present, more and more car bumpers use SMC. Materials, of course, the bumper of the bus is no exception. Compared with other materials, SMC is lighter, and at the same time, it has the advantages of high strength, light weight, corrosion resistance and low cost. Therefore, SMC molds on the market are becoming more and more sought after.



The application of SMC mold on door skin

As we all know, doors are everywhere in our lives, and they are also very important. Door refers to the entrance and exit of a building or a device installed at the entrance and exit that can be opened and closed. A door is an entity that divides a limited space. Its function is to connect and close the entrance and exit of two or more spaces.

In the prior art, the interior doors are mostly solid wood composite paint baking doors, using solid wood finger-jointed wood as the frame, the door core is various filling materials, the surface layer is pasted with a wooden surface layer, and the paint treatment is performed. Three times of primer and four times of topcoat, each time the paint is applied, it will be sent to the dust-free constant temperature baking room for baking. Therefore, the entire production period from production to finished product will take 25 to 30 days, and the door will be numb. Points or bad blocks, and this kind of door also has many shortcomings, such as not enough environmental protection, high formaldehyde content, poor waterproof and so on.

Because of the above shortcomings of traditional door furniture, more and more door skin molds use SMC molds. What are the advantages of SMC molds? We will answer the following points.

1. High thermal performance.
2. Difficult to resist shock.
3. Color finishes available.
4. Minimize scratches.



The application of SMC in the whole bathroom



When the concept of integral bathroom was first introduced to China, it referred to a "plastic box". In the early days, because the living environment was very crowded, all integral bathrooms had to be placed in a small space of one or two square meters, so the so-called SMC molding appeared. The overall bathroom, its whole is mainly because its molded chassis is integral, with the function of waterproof and leak-proof.

The advantages of SMC integral bathroom mold

1. No water leakage: SMC molds are formed under the condition of high pressure and high temperature applied by a large press, without waterproofing or plastering cement, which completely eliminates the leakage hidden danger of traditional bathrooms.

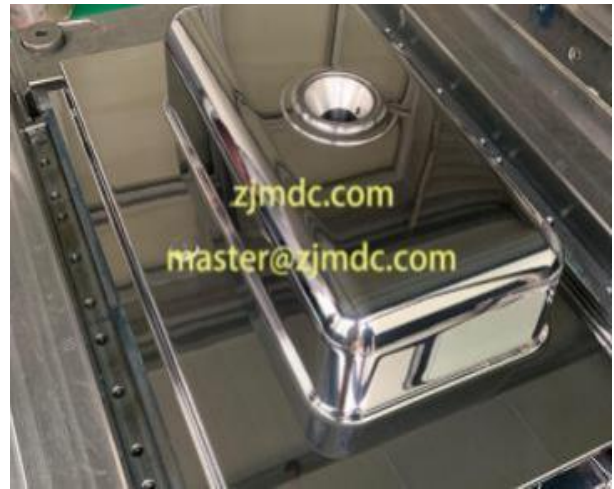
2. Reliable quality: factory-like production, eliminating the influence of factors that are considered on the site on the construction quality.

3. Dry construction, simple and fast: on-site assembly, improved efficiency, two workers only need to install one set in one day, effectively shortening the construction period.

4. Environmental protection and safety: Using high-grade environmental protection materials, SMC molds do not pollute the environment during production and assembly, and no construction waste is generated.

5. Super long durability, lifetime service: SMC material is durable for more than 20 years.

In the bathroom industry, molds are usually called bathroom molds. A monolithic bathroom is a monolithic frame consisting of an integrated waterproof chassis wall panel and top panel, complete with a bathtub, sink, faucet, shower, tiles and other bathroom accessories. A self-contained sanitary unit for multiple functions such as washing, bathing, grooming and toilet in a limited space. Moulds are the most important tool for producing overall bathroom products. The quality of the mold directly affects the quality and cost of the product. Therefore, the design and manufacture of molds have become a very important part of modern bathrooms.



As a supplier of SMC bathroom molds, MDC mould has developed SMC laundry sink molds, SMC shower room base molds, SMC wash basin molds and SMC bathtub molds.

MDC has excellent designers, perfect equipment and strict testing links, we will make customers feel the greatest sincerity. Please believe that MDC has many years of experience in SMC mold design and manufacturing, which can meet your needs.