



Vehicle Body Solutions;
Bespoke plastic vehicle
bodies, ensuring
firefighting excellence.

FireBug™

Introduction

FireBug continue to enhance our range of bespoke fire fighting solutions, with the addition of high quality plastic fire vehicle bodies. All our vehicle bodies can be tailor-made to suit your needs

Based on many years of experience with the manufacture of special vehicles we are able to develop and produce any type of special plastic body. The possibilities vary from the delivery of just the superstructure to the delivery of a complete and fully equipped special vehicle.

We have a modern production facility with the latest technology of numerically controlled production lines for the production of plastic vehicle bodies from a highly durable and recyclable plastic material.

Our Portfolio

We produce a vast range of plastic vehicle bodies:

- High volume tankers based on any chassis
- Bespoke vehicle bodies
- Pick-up truck bodies
- Special tanks from 25 to 20000ℓ according to customer's specification
- Built-in bodies
- Stowage bespoke boxes
- Portable floating pumps
- Floating strainers
- MistNozzle fire fighting nozzles
- MistMax fire skid for smaller vehicles



Why choose us

Quality & Speed

- A special emphasis is put on the high quality of our products.
- Integrated quality and environment system in accordance with ISO 9001 and 14001.
- The latest modern technology allows for a speedy realization of the plastic bodies.

Custom Made Solutions

- A team of our designers develops a custom made design proposal.
- The result is a detailed high quality 3D model of the expected product.
- The customer can see and check all the details that will make the final vehicle body.



Functionality & Reliability

- A special emphasis is put on the high quality of our products.
- Reliability is guaranteed with our systems and procedures

Proficiency & Expertise

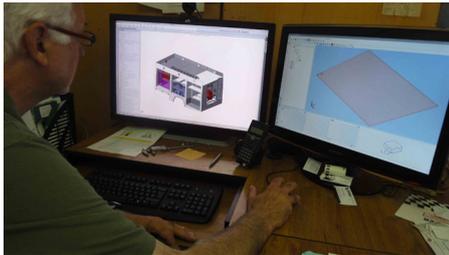
- Our team of designers has many years of experience with creating professional and high quality designs as well as with the whole realization process of special vehicle bodies.

10 Benefits of Plastic Bodies

- 1. Lightweight** - Body fabricated in co-polymer is much lighter than fiberglass or aluminium body.
 - 2. Saving fuel costs** - Due to lighter body weight the fuel costs are reduced.
 - 3. High impact resistance** - Extremely high shock resistance absorbing impact energy and transmitting it to other parts of body. In case of running into a wall the wall itself will be more damaged than the body.
 - 4. Chemical and corrosion resistance** - Excellent chemical resistance to a wide range of chemicals eliminating corrosion problems. Does not rust, corrode or crack.
 - 5. Repairability** - Easy to repair. The body can be welded in case of damage, a plastic section can be cut out and welded in a new section without affecting the overall strength.
 - 6. Variability** - Construction possibilities are virtually limitless varying from integrated water and foam tanks to flexible capacities of locker space for equipment.
 - 7. Increased visibility** - Material is white in appearance which helps reflect light inside the body offering excellent internal visibility and also sound insulation.
 - 8. Long life cycle** - Co-polymer bodies do not crack or corrode like metal constructions. Their operational life of 40 years exceeds the life cycle of chassis and as such can be re-mounted on a new chassis.
 - 9. Heat resistance** - Co-polymer bodies excel by their body strength resulting in high or low temperature resistance. The tyres would burn before the superstructure itself would catch on fire.
 - 10. 100% Recyclable** - Material is 100% recyclable.
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How are the Vehicle Bodies made?

Using high quality co-polymer the vehicle bodies are made using the latest innovative technology.



1. First we create an accurate and detailed 3D design of the final product in CAD programme selecting from a virtually limitless variety of plastic vehicle bodies of any size or shape. The result is a 3D visualization of the expected end product where the customer can see and check all the details that will make the finalized vehicle body.
2. The individual components transferred from the 3D model are cut out from Co-polymer sheets using 5 axis CNC machines.
3. The individual components are bent into various shapes and subsequently fabricated by a welding process into one final vehicle body.
4. Painting of the superstructure comes in two stages. The first phase includes the activate paint. In the second stage the superstructure is painted in the shade and colour according to the customer's specification.



New Generation of Bodywork

Plastic vehicle bodies are made from Co-polymer sheets and fabricated by a welding process. This highly innovative technology offers multiple unmatched advantages over traditional technologies.

Co-polymer is a unique, cost-effective alternative to fibreglass composite or aluminium constructions. It excels by its body strength, resulting in stronger physical properties in either high or low-temperature applications. Sledgehammer and bullet-tested, it does not dent, absorbs impact energy and does not transfer collision forces to other components for the vehicle body.

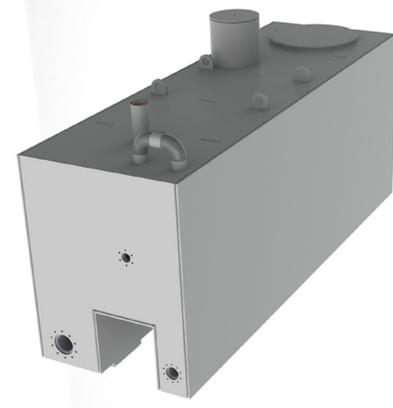
The thoroughly computed process utilizes the benefits of cutting the polypropylene sheets on CNC machines and designing accurate 3D SolidWorks drawings. Due to the impervious welding process the construction possibilities are virtually limitless varying from integrated water and foam tanks to flexible capacities of locker space.



Benefits of Plastic Tanks

Water, Foam, Diesel and Chemical Tanks

- Lightweight
- Chemical resistant
- Certification for the transport of drinking water
- Long life expectancy
- Variations of size and shape
- Low maintenance



Sectors

Fire Fighting Bodies
Police & Military Bodies
Pickup Truck Bodies
Waste Management Bodies
and others

Raw superstructures

From the model to the final realization of the raw vehicle body including the transport to the customer. The only thing we need from you is a proposal in any format, then we are able to create a complete 3D design of the plastic body and subsequently deliver the end product according to your wishes directly to you.

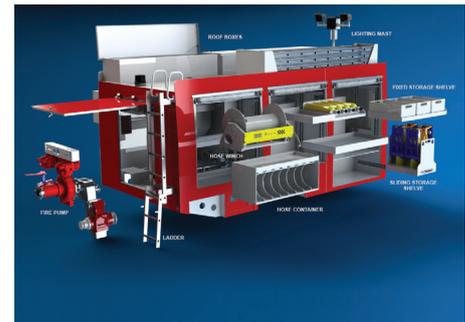


Completed plastic vehicle bodies

We offer a complete solution and implementation of the special vehicle bodies on any chassis. We provide complete bodies including mounted equipment such as: pumps, signal lights, roller shutters, light masts, special bespoke shelves, boxes and holders and other special equipment. of locker space.

Flexible modular system

Construction possibilities of bodies are virtually limitless varying from integrated water and foam tanks to flexible capacities of locker space for equipment. We are able to design any locker space system which will suit your requirements as well as the purpose and function of the vehicle.



Built-in Vehicle Bodies

Bespoke to your needs

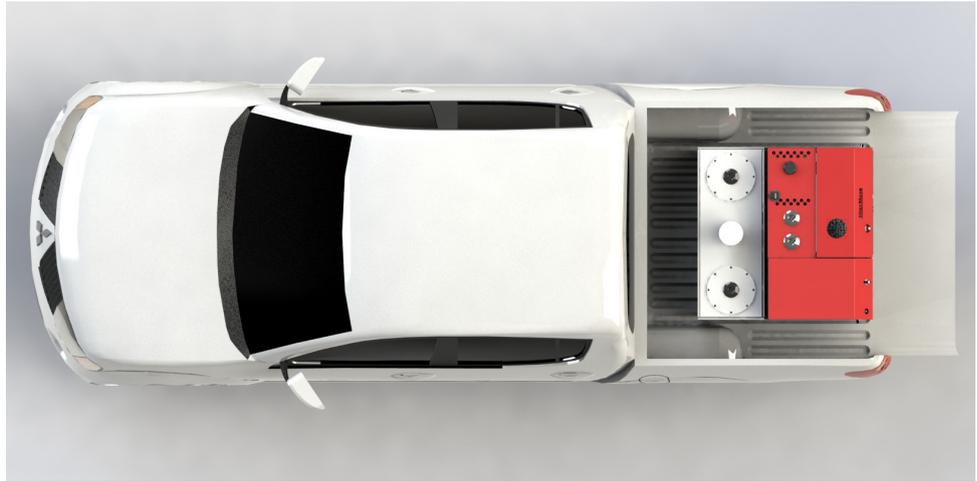
Construction possibilities are virtually limitless varying from integrated water and foam tanks to flexible capacities of locker space for equipment.



External Vehicle Systems

For UTVs and smaller vehicles

Lightweight, compact, pump driven fire fighting unit encompassing the latest integration of materials, design and functionality to allow robustness and reliability.



Other Products in our Range

MistNozzle Mini

The powerful mini MistNozzle is precision manufactured from stainless steel to provide the most robust strength for the harshest environment. The technology on this nozzle maximises water consumption and increases fire fighting performance by using science to extinguish the flames with extreme cooling, rapid oxygen depletion inside the fire only and reducing the speed at which the free radicals are forming eliminating the fuel simultaneously. This little nozzle not only provides a very high and powerful level of fire fighting it also allows you to have extended use of your water tank. Consuming 25 per minute in mistmode and 48 per minute in Jet mode. This minimal water usage and enhancement to fire fighting is a unique feature.

MistNozzle Maxi

The MistNozzle is a leading product in the revolution of fire fighting technology. The WaterMist nozzle introduces a new dimension in fire fighter safety and efficiency. Designed, developed and manufactured in the UK, using tried and tested micron technology, the nozzle encapsulates science in order to provide ultimate extinguishing and cooling with unrivalled levels of fire fighter safety. Not only does this WaterMist nozzle provide safety, rapid cooling and extinguishing it is also the most water efficient nozzle on the world market today, approximately 65% more efficient than other comparative nozzles.



With water being a valuable resource the world over, the Maxi and Mini misting nozzles deliberately uses less water during operation. Studies have shown a significantly increased efficiency in water usage during like-for-like product trials; a product that protects the environment makes fire fighters safer and reduces operations costs.

“65%* more efficient water consumption with improved fire fighting.”

* Based on 14 minutes continuous fire fighting time on Mist mode



MistMax Pro

The MistMax Pro unit is a lightweight, compact, pump driven fire fighting unit, encompassing the latest integration of materials, design and functionality, to provide robustness and in turn reliability. This then allows easy training and use in many conditions. The unit is designed to provide the ultimate fire fighting experience in safety, effectiveness and efficiency, utilising FireBug's Patented technology, maximising water preservation along with this the MistMax Pro has an option for a foam induction system to be included within the unit.

The MistMax Pro is therefore the Ideal unit for many installations from coach builders to the end user as a complete drop-in unit. The unit can be therefore acquired in several options, from a complete MistMax Pro with hose reel unit and foam induction system to a single pump unit, with or without reel.

Portable Floating Pumps

Based on years of experience and customer demand globally, we offer a new series of floating pumps with famous brand AMPHIBIO based on many years of experience and customer requirements around the world.

Our floating pumps are designed for pumping water from flooded places, streams, ponds and hard-to-reach sources of water.

We focus on practical features and easy-to-use operation.

It is impossible to sink the pump due to the construction of the float. Ergonomic frame allows for the pump to be carried by two people with ease.



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