



APPROVED BY THE BEST. WHAT MORE COULD YOU POSSIBLY WANT?

Our welding machines are approved by many carmakers. Approvals include:



micatronic
WELDING VALUE





ADVANCED. NOT COMPLICATED

We develop welding machines with the most technologically advanced processes. At the same time, we understand that welding equipment must be easy to use for sheet-metal workers in car body repair shops. We are here to make welding easy.

Migatronic has developed and supplied welding machines to the auto business since 1970.

Our co-operation with steelmakers, gas suppliers, universities and, not least, carmakers provides valuable knowledge of materials, gas compositions, joining processes and business trends.

We utilise that knowledge to develop welding equipment that lives up to carmakers' standards and car body repair shops' requirements.

Living up to requirements in force

The welding and brazing processes in Migatronic welding machines meet the requirements in force, so that professional car body repair shops can process for example thin high tensile steel precisely according to carmakers' repair instructions.

This enables the repair shops to stay competitive in a constantly innovative industry and take part when insurance companies seek partners for their assignments.

ALWAYS KNOWING WHAT IS INSIDE

We know that all parts of a car must be processed with respect. Car repairs must be carried out according to carmakers' instructions. That is why it is important that repair shops have access to the joining processes required by the carmakers.

Modern cars consist of different types of steel, which each must be processed in the most appropriate way to avoid loss of strength when heated in the joining process.

Correct processing of the thin and ultra-strong materials is essential, using joining processes developed specifically for car body repair.

Gentle processing

It is important to ensure that car repairs will not unnecessarily cause the corrosive resistance to be deteriorated. In particular, MIG brazing with pulse or double pulse, joining high-tensile steel at considerably lower temperatures than traditional MIG/MAG-welding, ensures gentle processing of the material.

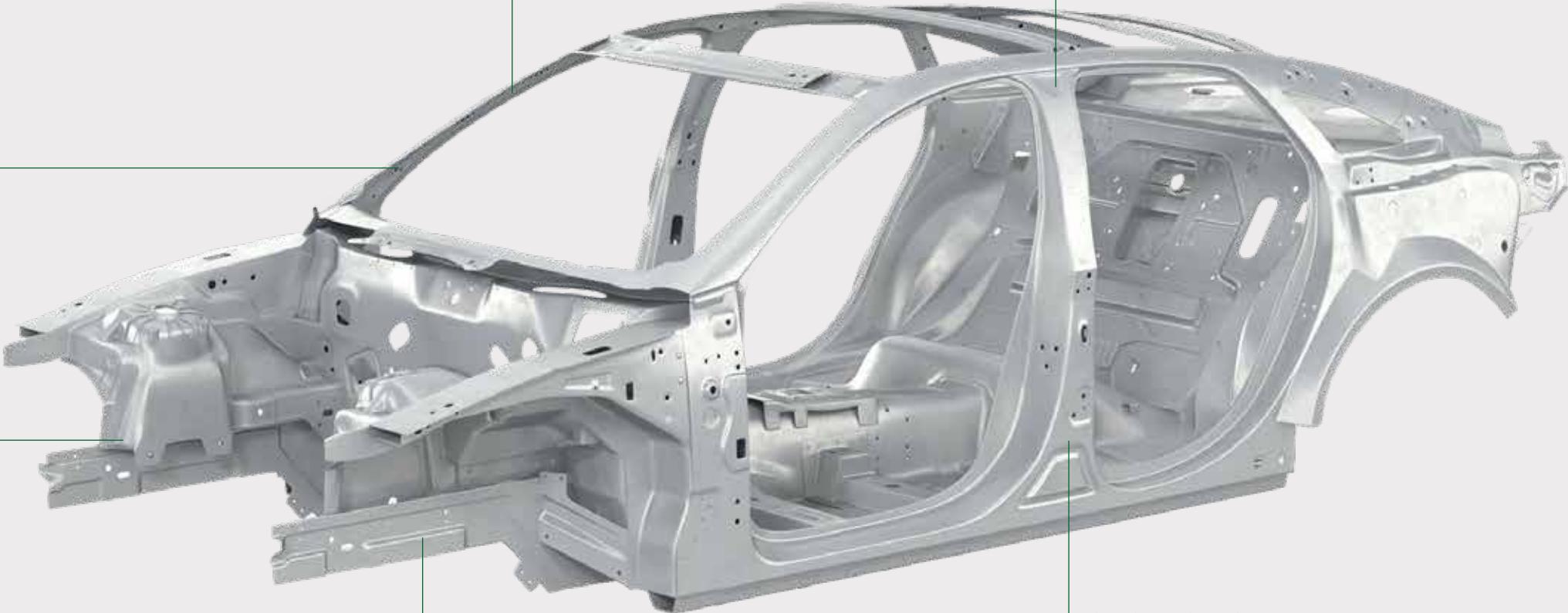
In this way, the process protects the anti-corrosive zinc or aluminium layer at the rear side of the steel.

ALUMINIUM

The newest types of aluminium are as strong as the weakest types of steel but require other welding programs than steel. A few carmakers use both aluminium and steel in the same car, which makes heavy demands on the welding equipment.

MIG-BRAZING

Brazing is the gentlest process in terms of heat input to the workpiece. The result is a minimum of post-treatment of distortion of plates and profiles.



DOUBLE PULSE IS PRECISE

Double pulse feeds the filler wire pulsating. This allows sheet-metal workers to control the arc more precisely than in ordinary welding and brazing.

A MINIMUM OF WELD SPATTER

Double pulse minimises the amount of weld spatter, which reduces the need of post-treating the steel.

AUTOMATIC STEP WELDING

Automatic step welding is applicable for welding and MIG brazing in sheet metals and if adjustments are not optimal. Once the sheet-metal worker has set arc time and pause time, the machine will automatically control it.

CRASH TESTING

Carmakers make instructions based on crash tests as to which parts of the cars are suitable for scarfing and repair. Repair shops must measure accurately to within a few millimeters where to join the plates and profiles. This ensures a high crash safety level, also after repair.





A NEW GENERATION OF AUTOMIG

Automig 300 Pulse is the most technologically advanced welding machine for repairing cars and building up car bodies. At the same time, sheet-metal workers will find it very easy to operate.

Automig 300 Pulse is designed to meet carmakers' standards for joining processes in high-tensile steel, stainless steel and aluminium. The machine has all the functions and synergic welding programs needed by sheet-metal workers in professional repair shops – no more, no less.

Sheet-metal workers can choose welding or MIG brazing with or without pulse and double pulse. The machine is available as a SINGLE version, a DUO version with room for two 15 kg wire coils and a TRIO version with room for three 5 kg wire coils. Sheet-metal workers can easily switch over between MIG welding and brazing without change of hose or wire drive rolls.

Easy-to-use control panel

The control panel features a graphic display for easy and intuitive setting of parameters.

Once the operator has chosen DC or pulse/double pulse and set type of material, wire diameter and gas, the welding machine will automatically select the most suitable welding or MIG brazing program.

Sheet-metal workers can save favourite settings in the welding machine and focus on good workmanship without having to consult welding experts.

MAINTAIN THE INTEGRITY OF THE CAR

There is a reason why leading carmakers recommend our welding machines for car repairs.

OEM approvals

Migatronic welding machines for car repair are approved by a large number of carmakers (OEM - Original Equipment Manufacturer), including Mercedes Benz, Audi and Volkswagen Group.

Our cooperation with leading carmakers gives access to knowledge of new trends as soon as they occur. That way, we are able to integrate carmakers innovations in our welding equipment when new materials or special alloys increase in popularity in the industry. All so that repair shops can meet the requirements for their welding equipment.

Different expectations

Every single car leaving a repair shop must live up to carmakers' standards as well as car owners' increasing expectations of security.

Maintaining the integrity of the car means that both the car owner and the carmaker should be able to recognise and answer for all cars – also after a car repair. We gladly take on that responsibility.









UNIQUE RANGE OF HIGH-QUALITY ACCESSORIES

We know from experience that sheet-metal workers make demands on their equipment and do not compromise quality – also when it comes to welding accessories.

Welding machines in car body repair shops must be equipped with high-quality welding wire, clean contact tips and pressure regulators providing correct gas shielding. All in order to ensure the best possible conditions for optimal processing the thin materials.

Flexible torch

A torch with a turnable swan neck ensures ergonomically correct working postures and allows sheet-metal workers easy access to hard-to-reach locations on the underside of a car.

The contact tip in a torch, guiding the wire towards the workpiece, is one of the most important wear parts when it

comes to welding quality. That is why sheet-metal workers must always have access to clean and unworn contact tips.

The assortment

We offer a wide range of high-quality welding accessories, including helmets, PPE, filler material, wear parts, pressure regulators and a variety of torches with ergonomic handles.

All products have been tested and approved and comply with all relevant safety regulations and standards.

SENDING CARS SECURELY BACK INTO TRAFFIC

Our main priority is to make sure that repaired cars can be sent securely back into traffic. That is why we do not compromise the quality of our equipment.

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