

*Innovative ideas
for your success!*

KAMATEC[®]
Consulting - Innovation - Production

PLASTOFUSED

Our efficient, economical plastic welding system.

german
brand
award
2018
winner

PLASTOFUSED 2.0

Higher margin instead of expensive replacement.

Our new PLASTOFUSED PRO is equipped with a LCD-display which shows the set temperature and the real temperature. We can reach higher temperatures by using a lower nitrogen volume as this is the key to be able to achieve a good bonding. Thus, the plastic reaches its own melting flow index (MFI) faster, what makes it ideal for bonding. With the special designed flat melting-strips we created a tool for a quick, simple and high quality plastic-repair.



Firm hold. After each repair.

The ideal interaction of temperature and airflow obtains an excellent repair result. The melting-strips are heated with the ideal temperature to reach a strong hold. A fusion of the thermoplasts arises. Thus you can save money and do not spend too much time for the order of new parts.



Easy handling.

The unit is equipped with a control panel, which we attached importance to high quality and design. Our control panel is kept simple and easy to minimise training effort. The double spaced LCD-display shows the actual temperature and the target temperature. The angled front ensures an ideal view to the control panel and a safe position.



Functionality & design.

The device stands out through the design and the surrounding aluminum frame. Of course, not only the design but also the functionality and user-friendliness were considered. The idea behind the angled front was to get a better view of the control panel and display. At the same time, the bracket is used as protection for the device and ensures a safe position.

Accurate work.

In case of welding broken tabs or cracks in plastic, precision is of enormous importance. Therefore, the handle was designed to be hold like a pen. The thin nozzle allows a better view of the workspace.

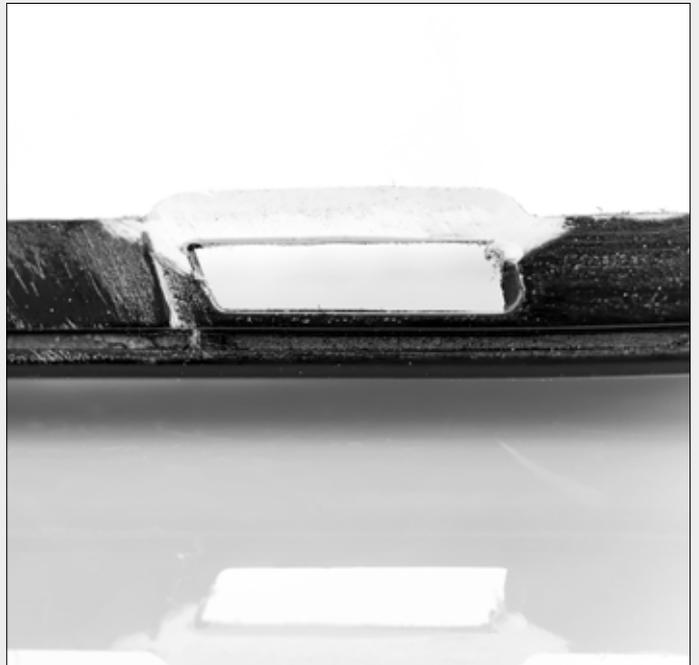


REPAIR EXAMPLE

Damaged head light mountings



Reparation of a damaged bumper mounting



MOBILE BASIC VERSION

Scope of delivery

- PLASTOFUSED 2.0 unit
- Hose package 2m incl. handle
- Hot air nozzle
- PLASTOFUSED trolley
- Special flat-nose-plier
- Plastic scraper
- Pneumatic grinder incl. 2 grinding discs C.40
- Melting-strips (PU 15 pcs.), black PP-EPDM
- Melting-strips (PU 15 pcs.), black ABS
- Robust cardboard packaging incl. inlay
- Manual



BASIC VERSION

Scope of delivery

- PLASTOFUSED 2.0 unit
- Hose package 2m incl. handle
- Hot air nozzle
- Special flat-nose-plier
- Plastic scraper
- Pneumatic grinder incl. 2 grinding discs C.40
- Melting-strips (PU 15 pcs.), black PP-EPDM
- Melting-strips (PU 15 pcs.), black ABS
- Robust cardboard packaging incl. inlay
- Manual



ECO VERSION

Scope of delivery

- PLASTOFUSED 2.0 unit
- Hose package 2m incl. handle
- Hot air nozzle
- Melting-strips (PU 15 pcs.), black PP-EPDM
- Melting-strips (PU 15 pcs.), black ABS
- Robust cardboard packaging incl. inlay
- Manual



PLASTOFUSED PRO

Scope of delivery

- PLASTOFUSED PRO unit
- Hose package including handle and hot air nozzle
- PLASTOFUSED trolley with extension for nitrogen bottle
- Hose (Ø 6mm) with quick connection
- Special flat-nose-plier
- Plastic Scraper, 3-edged
- Pneumatic grinder incl. 2 grinding discs C.40
- Melting-strips (PU 15 pcs.), black PP-EPDM
- Melting-strips (PU 15 pcs.), black ABS
- Robust cardboard packaging incl. inlay
- Manual



The gas cylinder and the pressure reducer are not included in the scope of delivery.



Always the ideal air flow.

PLASTOFUSED PRO is the first plastic welding system possessing a precision pressure regulator to ensure the ideal pressure during the whole repair process. This guarantees an optimal fusion of the thermoplasts. Independent of the incoming pressure, the air flow remains constant inside the nozzle. We used high quality components — Made in Germany.

Secure & simple handling.

PLASTOFUSED PRO does not constantly supply nitrogen. Thanks to the provided foot pedal, the nitrogen supply can be controlled manually. Furthermore, the device has a safety mechanism. If your nitrogen bottle is empty, a special pressure sensor detects the pressure drop of the nitrogen source and automatically shuts off the heater. Thus, overheating of the electronics is avoided. Of course you can continue working without nitrogen.



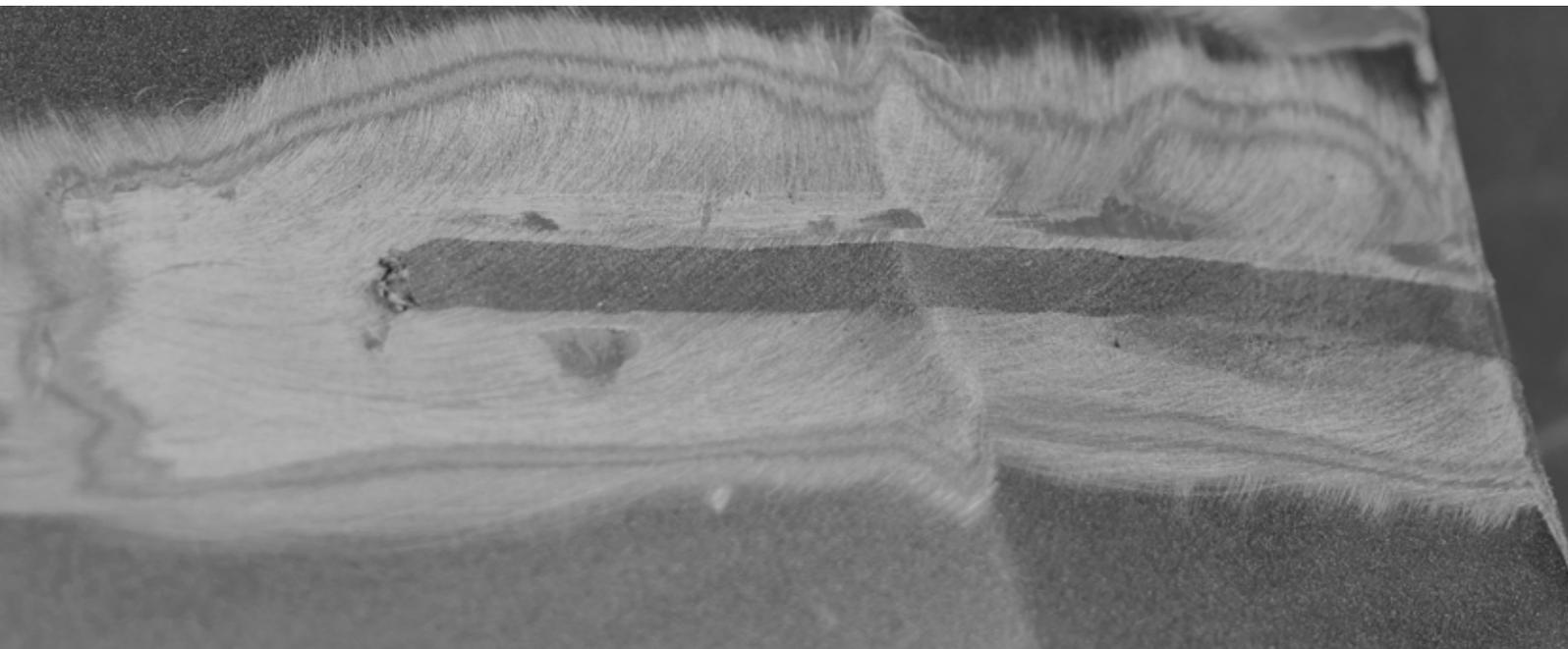
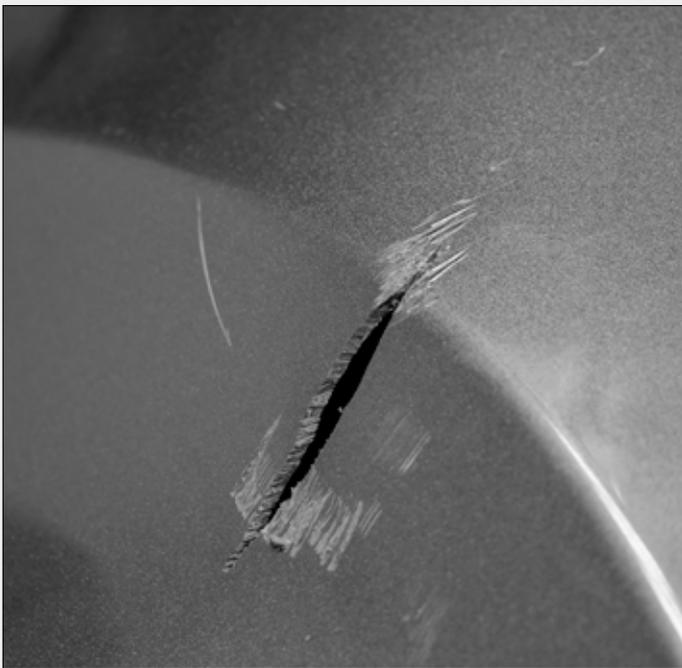
PLASTOFUSED 2.0 – PLASTOFUSED PRO

What is the difference?

The PLASTOFUSED 2.0 welds with heated air which achieves a very solid and clean repair result. The PRO version uses nitrogen which can be supplied by a foot pedal. During the repair process no oxygen gets to the weld, which is another advantage of welding with nitrogen. Thus, the plastic does not burn if the device is not set correctly. The result is a „protective film“ around the weld which keeps oxygen away.

Nevertheless, a difference between the use of air or nitrogen is noticeable. Mainly there is a difference in the flexibility and mobility. Hence, we recommend the use of nitrogen for major repairs as the weld seam is more flexible.

Hole / crack



Unique selling point of thermoplastics? The weldability.

Thermoplastics are plastics that can be deformed within a certain temperature range. This is a major advantage in repairing parts like bumpers, headlamps, etc. However, since not all of these plastomers have the same melting point, the temperature of our PLASTOFUSED 2.0 can be adjusted manually to the various thermoplastics at the touch of a button.

