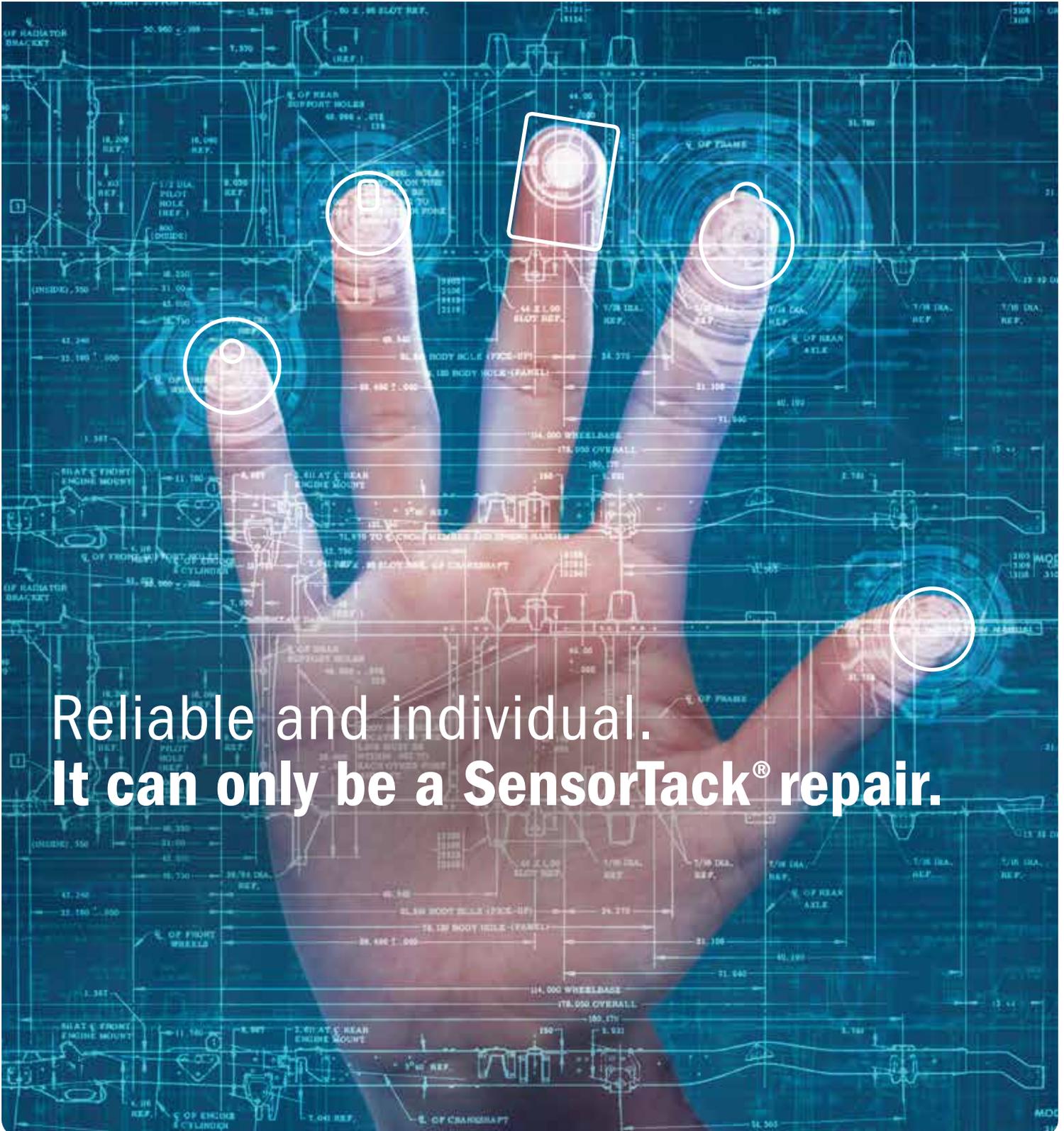


**PMA  
TOOLS**



**1 2 Ready+ Ready+Plus**

**The no. 1 for sensor repair**



Reliable and individual.  
**It can only be a SensorTack® repair.**



Make the most of the fivefold reliability from SensorTack® when repairing camera-based driver assistance systems or when replacing and re-using rain and light sensors. As a leading provider of repair systems and a pioneer in smart-repair methods, SensorTack® from PMA/TOOLS represents the premium portfolio comprising special silicone gels and pads. Handling is quick and easy; the first-class processing properties ensure perfect results in verifiable quality corresponding to OEM with maximum functional reliability: It can only be a SensorTack® repair!



### **1 Reliable functionality: dependable in assembly and function.**

Why SensorTack®? Reliable, easy assembly is one thing. The safety of fault-free functionality is another. SensorTack® ensures this functional reliability with translucent, transparent and durable products. The sensitive optical response corresponds to that of the original part, thereby contributing to road safety.



### **2 Reliable brand quality: OEM standard with SensorTack®.**

As a unique product in verifiable quality for restoring permanent functionality of the connected driver assistance systems, SensorTack® is OEM certified – and tested by leading automotive manufacturers as well as the TÜV Rheinland (German Technical Inspectorate) and Fraunhofer Institute. SensorTack® 1 and SensorTack® 2 have TÜV certificates.



Functionality

www.tuv.com  
ID 000028381



### **3 Reliable processes: in-house laboratory, integral tests.**

All SensorTack® innovations are developed by our own specialists and engineers. To ensure user safety and consistency, all SensorTack® products undergo numerous tests in the PMA/TOOLS laboratory.



### **4 Reliable checks: PMA/TOOLS quality assurance.**

All SensorTack® products are brand repair systems. They always fulfill the highest requirements for processing, handling and reliability – without variation in quality. Each of the four brand repair systems is subject to the PMA/TOOLS quality assurance before it leaves our company.



### **5 Reliable experience: 25 years of expertise in automotive glass.**

Whoever knows more about automotive glass can offer more attractive solutions: As an international leading innovator of products associated with automotive glass, PMA/TOOLS has been able to build a comprehensive resource of up-to-date knowledge after almost 25 years. The result: intelligent and pioneering solutions like the four SensorTack® repair systems.

# It can only be a SensorTack® repair: the comprehensive portfolio.

Whoever replaces automotive glass, they need reliable products in premium quality, because additional labour time can increase costs due to possible complaints or re-work. With its SensorTack® brand systems, the automotive glass specialist PMA/TOOLS offers internationally proven and OEM-certified solutions for rapid, consistently reliable and high-quality repairs.

## The four SensorTack® brand repair systems

### SensorTack® 1

The elastic, transparent 2-component silicone gel for round sensors

- > TÜV certified
- > Constant material properties between -40°C and +180°C
- > Minimum curing time, maximum form stability



### SensorTack® 2

The translucent 2-component silicone gel for square-type sensors

- > TÜV certified
- > Especially developed for filling square-type rain/light sensors
- > Curing in just a few minutes, non-fading
- > Perfect adaptation to the sensor unit



### SensorTack® Ready+

Ready-made silicone sensor pads for diverse rain/light sensors and camera systems

- > For immediate re-use
- > Transparent or translucent
- > Highly elastic, non-sticky, bubble-free
- > Insensitive surface



### SensorTack® Ready+ Plus

Unique combination of SensorTack® Ready+ silicone sensor pads and SensorTack® 1 gel

- > For optical units with raised features
- > Quick replacement
- > Non-fading





## It can only be a SensorTack® repair

### SensorTack® is reliable

High-quality processing for optimum functional reliability

### SensorTack® is cost-effective

No need to buy replacement sensors

### SensorTack® is simple

The sensor does not have to be uncoupled from the electronics

### SensorTack® is practical

There is no need to maintain stocks of sensors

### SensorTack® is fast

Significantly shorter installation time

## Further SensorTack® brand products

### SensorTack® Release spray

Forms a thin film, which makes it easier to remove the sensor filled with SensorTack® 2 from the refill mould without causing damage.



### SensorTack® Cleaning and contact spray

Ideal pre-cleaner and assembly support for the installation of sensor and camera units. Cleans the camera lens as well as the sensor and glass surface. Moistens the glass-facing side of all SensorTack® Ready+ pads and facilitates the installation. Quickly diffusing, without leaving any streaks or residues.



### SensorTack® Heating box

The heating box shortens the curing of 2K silicone products (SensorTack® gel) in the cold season or at low workshop temperatures.



### SensorTack® Ready+ box

SensorTack® Ready+ box, the basic equipment for professionally repairing most gel-based rain/light sensors.



# SensorTack® makes it easy: with App and Microsite.

Finding the correct solution: Use the SensorTack® Microsite and App and learn in seconds which sensor repair system is suited for your particular application. In addition, much more helpful SensorTack® information is available: download the App to your smartphone and try it!

- So simple: direct sensor assignment per vehicle model or Eurocode
- So up-to-date: always the latest standard
- So quick: repair solution in seconds



The image shows a laptop and a smartphone. The laptop screen displays the SensorTack website with the following content:

**PMA TOOLS**

Reliable and Individual.  
It can only be a SensorTack® repair.  
The no. 1 for sensor repair.

**Fivefold reliability:  
the original SensorTack® repair system**

When it comes to repairing camera-based driver assistance systems or replacing rear-end light sensors, why not opt for the original?

As a leading innovator of automotive glass accessories products and with almost 20 years of experience, PMA/TOOLS is the only supplier offering an approved OEM certified premium products with laser-based repair systems. SensorTack® laser glass and pads for the risk-effective repair of rear and light sensors as well as camera systems. Developed in the PMA/TOOLS own laboratory, proven by PMA/TOOLS test procedures and approved by the PMA/TOOLS quality assurance.

- ➊ **Reliable functionality:** Residual inspection according to OE specifications
- ➋ **Reliable final quality:** OEM standard quality
- ➌ **Reliable processes:** Our laboratory, our field

MacBook Pro

The smartphone displays the SensorTack app interface with the following content:

**PMA TOOLS**

SensorTack products

Advice

Vehicle model:  
BMW 3 Series GT F34 (2469) 13-

Repair with:  
SensorTack® I Art. No. 133601200

Or:  
SensorTack® Ready\* Art. No. 133601166

I want to check another car

More information about SensorTack®  
available at [www.sensortack.com](http://www.sensortack.com)

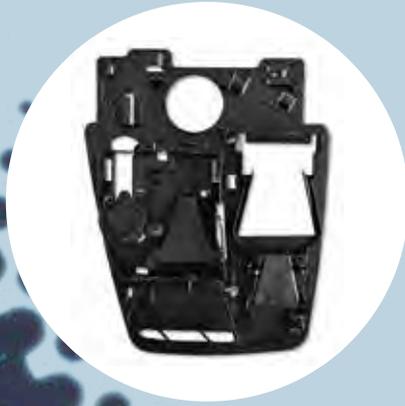
– where the SensorTack® App can be downloaded as well.



## SensorTack®

- > **4 systems**  
for over
- > **40 manufacturers**  
and more than
- > **500 models**

E.G. AUDI BMW CHEVROLET DAIMLER FIAT FORD GM HYUNDAI KIA  
MAZDA NISSAN OPEL PORSCHE RENAULT SEAT TESLA TOYOTA VOLVO VW



# Only in SensorTack®: the expertise of PMA/TOOLS.

The SensorTack® principle has been a success in over 100 countries, and with good reason:  
As an established service and technology partner in the automotive glass replacement market,  
PMA/TOOLS is available as a globally successful, highly skilled specialist with the brand  
SensorTack®.

Under the heading “German Quality” and with branches in France, Spain and the USA,  
PMA/TOOLS can provide the complete range of automotive glass accessory expertise from a  
single source: from sensor technology to clips & fasteners, tools, assembly parts and univer-  
sal profiles through to glass bonding. PMA/TOOLS is also the right partner when it comes to  
industrial applications: With sensor optics, tools, connectors, profiles and bracket systems.

In conjunction with customers, system partners, OEM and OES agents, industrial associations  
and insurance companies, PMA/TOOLS is continually expanding its automotive glass accessory  
expertise on a lasting basis.

This is supported by a customer-oriented service and sales network, highly efficient logistics as  
well as an approach that reflects users: With over 600 installation videos based on OEM data, we  
can provide total support for professional users.



**GERMANY** Head office, Willich  
**FRANCE** Nieppe  
**SPAIN** Barcelona  
**USA** East Flat Rock, North Carolina  
**CHINA** Changchun



#### Head office

---

##### **PMA/TOOLS AG**

Siemensring 42  
47877 Willich/Germany  
Tel.: +49 2154 922230  
Fax: +49 2154 922255  
E-Mail: [info@pma-tools.de](mailto:info@pma-tools.de)  
[www.pma-tools.de](http://www.pma-tools.de)

#### Subsidiaries

---

##### **PMA/TOOLS FRANCE**

Z.A.-214, rue de la Warnave  
59850 Nieppe  
Tel.: +33 320 970249  
Fax: +33 320 326140  
E-Mail: [info@pma-tools.fr](mailto:info@pma-tools.fr)  
[www.pma-tools.fr](http://www.pma-tools.fr)

##### **PMA/TOOLS ESPAÑA**

Sta. Margarida de Boada Vell 7-9  
Pl. Riera de Caldes, Nave 12  
08184 Palau-solità i  
Plegamans (BCN)  
Tel.: +34 93 8648517  
Fax: +34 93 8640020  
E-Mail: [info@pma-tools.es](mailto:info@pma-tools.es)  
[www.pma-tools.es](http://www.pma-tools.es)