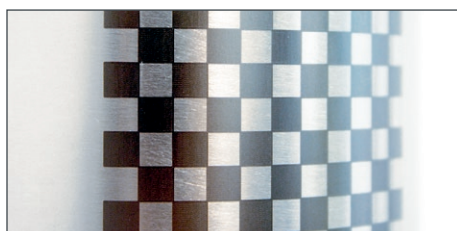


## Automotive Industry

Countless Applications. One Laser Marking Solution:  
ALLTEC Laser Markers



ALLTEC laser markers mark a multitude of different automobile parts and materials. There is virtually no product or material which is not suitable for marking with lasers.

### Countless Applications

Apart from metal parts such as ball bearings, gears, fuel injectors and crankshafts, our laser markers also mark plastic components such as various housings, rubber seals, profiles, switches and buttons, type-plates and labels as well as sensors and day and night design elements fully automatically with permanent and high-quality markings: Be it 2D codes such as the ECC200 or SQR, bar codes like the EAN, serial numbers or individual content such as customer or brand logos and graphics such as wiring or hydraulic diagrams.

### Various Requirements

Our systems are particularly important within the automotive industries in connection with **product identification** and **traceability** as well as sustained logistics control. And not least, all of our markings must be **easily readable** to the eye and for automatic readers, remain **durable** and be **resistant to abrasion, temperature, light** and **lubricants**.

### Application Examples

1<sup>st</sup> row, left to right

- *Stainless steel, engraved and annealed*
- *Fuel supply line (PA plastic)*
- *Gear*

2<sup>nd</sup> row, left to right

- *Control buttons with annealing*
- *Auto plastic parts (e.g. temperature sensor)*
- *Metal profiles (aluminum, steel)*

3<sup>rd</sup> row, left to right

- *Steel tube with annealing*
- *Plastic knob*
- *Plastic housing*

## The Marking Solution: ALLTEC Laser Systems

Alltec's lasers for marking, coding and engraving convince in many product identification fields of the automotive and automobile supplies industries. Not only do they mark all possible information and required data on products and substrates; they also apply all codes in the shortest of time and in uncompromising quality. At the same time, Alltec laser markers convince - thanks to their reliability and low maintenance - with an efficiency that pays off.

### ALLTEC Laser Markers for the Automotive Industries are:

#### Brilliant and Fast

- Alltec laser markers rank among the fastest in their classes.
- They apply brilliant marks in minimum time.

#### Versatile and Flexible

- Alltec laser marking systems apply the widest variety of content on countless materials, whether large numbers have to be marked or not. Thanks to our broad product range we are able to select the optimum laser marker for your application.
- Both moving and non-moving parts can be marked (in-line or in a workstation).
- Alltec marking lasers are flexible on account of their versatile use and simple integration - especially when production space is scarce.

#### Reliable and Low Maintenance

- The marks applied by our systems are as permanent as an engraving.
- Our product's lifetime, low maintenance and reliability pay off not only when downtimes have to be avoided.

#### Secure and Traceable

- A laser mark is counterfeit-proof and protects against product piracy.
- Our systems stand for perfectly readable, legible and traceable signs.

#### Green Technology

- The contact-free, clean and environmental-friendly laser marking technology does not require consumables what furthers its efficiency.

#### ALLTEC. Experts in Laser Marking

ALLTEC numbers among the world's leading companies in the field of marking and coding with lasers. Out of our entire experienced R&D, service and sales engineers' know-how laser marking, coding and engraving solutions arise that seamlessly integrate into our customers' production lines, increase their efficiency and create decisive added value.

### System Solutions for the Automotive Industry

#### Fiber Laser Marking Systems

*ALLTEC LF050* - 5/10 Watt continuous wave fiber laser marker for micro markings

*ALLTEC LF100, LF200* - 10/20 Watt, pulsed  
Particularly suitable for high resolution markings and integration into tight spaces.



#### Nd:YAG Laser Marking & Engraving Systems

*ALLPRINT DN50A* - 50 Watt, diode pumped

*ALLPRINT LN100A* - 100 Watt, lamp pumped  
Particularly suitable for applications where high marking speeds are required.



#### CO2 Laser Markers

*ALLTEC LC100, LC300, LC500* - 10/ 30/ 50 Watt  
Especially suited for the coding of plastics, coated metals, glass, labels and cardboard packagings.



#### Laser Workstations

### Contact us!

**ALLTEC**  
make your mark

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