



make your mark

ALLTEC LF050
Fiber Laser Marker

For the fine print:

The fiber laser marker that marks the smallest and finest codes



- **LF050 codes with high resolution.** With a wavelength 10 times shorter than that of a CO₂ laser marker, high beam quality and superior galvanometer scanning technology the system marks with high resolution, fast, precise and with excellent legibility.
- **LF050 works reliably and is easy to maintain.** Thanks to its efficient, maintenance-free laser source and the simple air cooling system.
- **LF050 integrates easily, flexibly and quickly into any production environment.** Thanks to its dovetail joint with integrated fine height adjustment, a five meter detachable fiber conduit and its small and compact system design.

ALLTEC LF050 is **THE laser marker for the electronics industry**. This continuous wave fiber laser marker* has been primarily designed to mark molded housings of discrete and integrated components as well as circuit boards, precisely, with high quality and in the shortest of time. Moreover, the LF050 is also suitable for marking foils, films, bags and composite packagings used in the **packaging industries**.

The range of information that can be marked (expiry/manufacturer's dates, batch/line numbers, ID matrix/bar codes, graphics, individual data, etc.) is virtually unlimited, and can be applied both to stationary as well as to moving parts (marking on the fly).

With the LF050 **line widths well below 30µm** can be achieved, enabling **character heights of 150µm and less**.

* available in 5 and 10 W

Electronics: **micro IC**
line width
65 µm
character height
characters: 550 µm
numbers: 280 µm



Electronics: **lead frame & IC**
line width
45 µm
character height
350 µm



Electronics: **IC component**
line width
60 µm
character height
600 µm



Electronics: **ceramics capacitor**
line width
60 µm
character height
560 µm



Electronics: **lead frame & IC**
line width
100 µm
character height
1,190 µm



Electronics: **micro ICs in 2 sizes related to a tea spoon**
▶ micro IC: size 1.2x0.5 mm
line width 30 µm
small IC: size 3x1 mm

