

The Next Level of Quality Assurance

Mikkelsen Electronics has taken quality assurance of moulded applications and complete cable solutions to the next level. As one of the first Danish sub-suppliers of complete cable solutions, we now offer to x-ray all applications - also in case of series production.

The purpose of using x-ray is to document the quality of solderings, castings, and cables. Moulded cables or prints are not made to be opened and examined as the whole point is to provide a waterproof and dust-proof sealing. Conventional optical and electronic controls have limitations in that solderings are not always visible and accessible.

Additionally, it is impossible to detect broken copper conductors in cables using existing electronic measuring techniques as such measurements measure the passage through the cable and not the number of copper conductors. This means that you will not get an indication of whether one or more conductors are damaged. Using x-ray, it is easy to uncover such flaws and comply with the IPC standard. For example, the IPC standard dictates how many copper conductors may be damaged in a cable for it to fulfil the quality requirement. In print mounting, x-raying has been a standard procedure for many years but x-raying cables and castings as well is a brand new concept.

At Mikkelsen Electronics, we have placed the x-ray equipment in its own special room and our employees have been trained in the correct use of the device. "With our x-ray equipment, we are now able to offer completely different and professional documentation of our quality", said Christoffer Bruun who is Sales Manager at Mikkelsen Electronics A/S.

Facts

The x-ray equipment is manufactured in Germany and the max scope of examination is ~ 250x300mm. It may be used in both series production and for single pieces. In series production, the pieces are placed on a circular table which optimizes the processing times and reduces the costs. The x-ray image may be delivered to you as a hard copy or a pdf file.

Mikkelsen Electronics A/S – a partner in progress

Mikkelsen Electronics A/S is a 100% Danish company founded in 1971. Over time, our range of components and client-specific products has given us a highly qualified staff of employees who are capable of partnering with clients to develop specific products. Mikkelsen Electronics is at the cutting edge, particularly in terms of complete cable solutions and Macromelt castings.

Further questions?

Please direct all questions to Sales Manager Christoffer Bruun, Mikkelsen Electronics A/S, by calling +45 44 34 03 04 or sending an email to cb@mi-ec.com.