



LTW's Latest LED & PCB Waterproof Encapsulation Technology

Due to water, dust, oil or extreme temperature change could cause the instability of LED interconnection system; LTW utilizes the latest LED & PCB waterproof encapsulation technology to assure the reliability and stability for LED interconnection system. Here are some advantages that our customers could expect from this technology:

1. The desirable protection for damaging sensitive components.
2. The protection for moisture and better mating seal.
3. Resist shock and vibration damage.
4. Environmental friendly (meet EU standard—non-toxic)
5. Short lead time
6. Low cost for tooling

LTW not only utilized this new technology in electrical components production for LED interconnection system but also apply to waterproof or outdoor products. The better mating seal by this encapsulation technology could protect damages from moisture, shock, chemical, and vibration. Now LTW already adopted this technology in PCB sealing to achieve zero defective rate after many tests. Furthermore, LTW also developed and researched production materials which are suitable for outdoor products manufacturing, as well as meet various demands or standards from customers.

Please click below link:



[LTW's LED & PCB Waterproof Encapsulation Technology](#)

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Here are comparisons with traditional molding techniques:

Technology	Disadvantages
Traditional Technique	<ul style="list-style-type: none"> • Over 300 bar operating pressure & 250°C operating temperature; it's easy to cause damage for delicate components. • High cost in equipment & tooling.
	<ul style="list-style-type: none"> • Complicated operation. • Long solidification time without efficiency in production process.
Technology	Advantages
LTW New Technique	<ul style="list-style-type: none"> • 1~60 bar low operating pressure. • Low cost in tooling & equipment. • Low operating temperature, 160~220°C. • Short working time. • Green materials. • Protect high temperature, water, dust, chemical erosion, oil...etc.

Any OEM or ODM projects are welcome.

LTW® “Innovation in Waterproof Solution”



For more information, contact us to: bce@bce.it ; or browse into our website: www.bce.it

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