

## **LTW conducts low pressure injection molding (LPIM) in waterproof connector production**

### **【Press Release】**

17<sup>th</sup> of July, 2009

With strict demand for electrical components exposure to water, dust, oil or extreme temperature change, LTW conducts low pressure injection in waterproof connector production to ensure functional reliability and stability of products this year. By means of this new production technique about low pressure injection; here are some advantages that our customers could expect:

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
7. The reduction of device assembly steps

When LTW adopts this new production process in waterproof connector production, the better mating seal by low pressure injection could protect moisture, shock, chemical, and vibration damage. There are various demands or standards for connectors, thus LTW brings in this technique in connector manufacturing to satisfy various demands from our customers. Any OEM or ODM projects are welcome.



**LTW 's LPIM Equipment**



**Products manufactured by LPIM**

Here are comparisons with traditional molding techniques:

Techniques	Disadvantages
<b>Plastic Injection</b>	<ul style="list-style-type: none"> <li>● Over 300 bar operating pressure &amp; 250 °C operating temperature; it's easy to cause damage for delicate components</li> <li>● High cost in equipment &amp; tooling</li> </ul>
<b>Multi-Liquid Adhesive</b>	<ul style="list-style-type: none"> <li>● Complicated operation</li> <li>● Long solidification time without efficiency in production process</li> </ul>
Techniques	Advantages
<b>Low Pressure Injection Molding</b>	<ul style="list-style-type: none"> <li>● 1~60 bar low operating pressure</li> <li>● Low cost in tooling &amp; equipment</li> <li>● Low operating temperature, 160~220°C</li> <li>● Short working time</li> <li>● Green materials</li> <li>● Protect high temperature, water, dust, chemical erosion, oil...etc.</li> </ul>

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**About LTW:**

LTW Technology, established in 1993, is a professional designer and manufacturer of waterproof connectors. Around 90% of our products are distributed worldwide with LTW's own brand and 80% of sales revenues are from exporting. NOW, LTW is considered as the only manufacturer focusing on outdoor waterproof connectors in Asia.

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