



RFID-IML TECHNOLOGY

SMART. HYGIENIC. DURABLE

About IML (In Mould Labelling):

IML is the integration of a label in the product during the injection process.

As a result, the tag is melted into the surface of the product and they become one. In-mould labels resist humidity and withstand extreme temperatures. The IML tag is resistant to scratches and cracks and cannot be removed even at high pressure washing.



About RFID (Radio Frequency Identification Technology):

Radio-Frequency Identification (RFID) uses radio waves to automatically read and identify digital information stored on a tag attached to an object from a distance of several metres.

RFID technology enables simultaneous, accurate and fast reading of multiple tags which improves efficiency and prevents unwanted human errors.

RFID technology enables automatic write and read of information into the tag for efficient data management processes.

Using RFID tags, assets can be tracked and located automatically along the supply chain which reduces the possibility of loss.

The RFID tag placed on the Dolav container makes every single pallet box UNIQUE AND SMART.

The Power of the Combination: RFID-IML, The DNA of your Dolavs.

- Easier tracking- Unique ID per Dolav
- Rewritable Data- Write up to 128 bits of data
- Better documentation - each tag can have high quality printing of both RFID and Barcode
- RFID-IML is more hygienic and avoids contamination
- Long Lasting- RFID IML tags are an integral part of your Dolav and cannot be removed
- RFID IML tags will not wash or fall off during use
- RFID IML is washable and can withstand -30°C - $+100^{\circ}\text{C}$
- Can be read from a distance



When you have Dolavs with RFID IML, you have a smarter and efficient stock management system which can help you identify damage in the supply chain and prevent loss.

Technical Specifications

Technology	UHF RFID IML
Operation frequency	860 - 960 MHz
Memory	128 bit EPC
Service temperature	-30°C - +100°C
Read range (2W)	**>8m (Global)
RoHS	Compliant

**According to Lab. testing



The Advantages of RFID vs. Barcode Technology:

	Barcode	RFID
Long reading range	X	YES
Scan multiple items at once	X	YES
Rewritable data	X	YES
Tag ID cannot be duplicated	X	YES

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