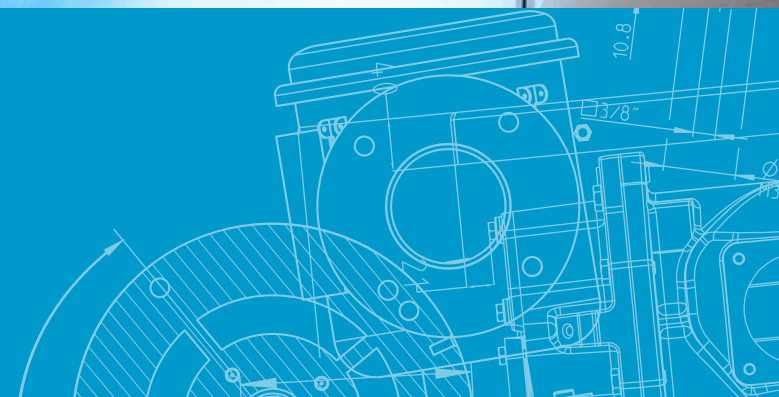





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Industrial Location Mapping

Making sure that your tools only work when they are supposed to and in the correct places!



The background image shows a black industrial probe with a digital display screen. The screen displays 'OK', '720 [°]', and '1. Program'. The probe is positioned over a metal plate with many small holes. A blue banner with white text is at the bottom left, and a green banner with white circular patterns is at the bottom right.

Industrial Location Mapping (ILM)

What is Industrial Location Mapping?

ILM is a tool-location solution that will ensure that your tools only operate where they are supposed to at the right time and the right part - in a complete or parts of a production line. ILM can help you perform easy rebalancing and enjoy the freedom and flexibility of battery tools - without decreasing production safety in stop-and-go or moving lines.



How does it work?

The tool-location solution consists of ILM Tags and Anchors that calculate the position using ultra-wideband radio - a robust technology that even works without line-of-sight. Additionally, the tool orientation offers more options for differentiating the screw positions and safeguards that the tool only enabled and works where it is supposed to.



A close-up photograph of a person's hands using a black cordless power tool to clean a drain in a white sink. The tool has a long, flexible, ribbed white hose attached to its end. The person is wearing orange protective gear. The background is dark, making the white sink and the tool stand out. The Atlas Copco logo is in the top right corner.

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Keep your battery tools in place

Features and benefits

Features and benefits



Easy rebalancing

For line rebalancing, the reteaching and reconfiguring of tool tags for new stations and product areas is easily done.



Simple to set up

Start with one station and extend according to your needs. And with the ILM Protocol, the tag communicates seamlessly and directly with Atlas Copco tools.



Ultra-wide band only

ILM Tags and Anchors communicate with each other via UWB radio technology which does not interfere with Wi-Fi and Bluetooth.



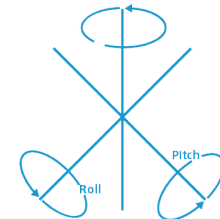
A stand-alone solution

Thanks to the intelligence in the tag no server is required. Unless you would like to.



Real-time tool tracking

ILM provides real-time visualization of a tool's position on a PC or server. It is well-suited for moving production lines.



Tool orientation detection

The tool orientation detection is a unique and helpful feature to distinguish screw positions on the pitch- and roll-axis.



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Modes

Designed to handle a complete line or parts of a line

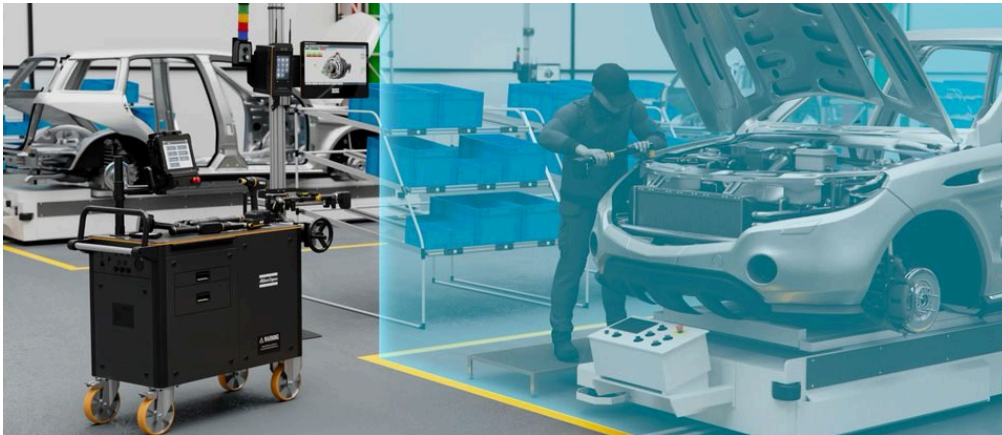
Modes

As ILM does not require a server, it is easy to install and set up. You can start with one or multiple stations, and then extend the system as required. The ILM system comprises ILM Anchors and ILM Tags and, depending on your needs, you can work in different working modes using the same hardware.

Stop-and-go lines

An effective solution to keep your tool in place

A plug-and-play solution requiring minimal installation effort. It is not necessary to measure the infrastructure, no anchor configuration is needed, and no additional data or timing cables are required. It is simply a case of powering the anchors and configuring the tags.



Moving lines


The best choice for moving lines

For more accurate tool 'enabled' and 'disabled' areas, the solution can be extended to a second mode, which gives up to ± 30 cm accuracy. Here the location system can send the position and orientation of the tool to a PC or server application, to merge the tool with the part's position.

The ILM Hub provides a real time visualization of all devices and products in a nice and easy-to-use web interface, making ILM an efficient tool-tracking solution for moving production. An upgrade from the stop-and-go solution to the moving lines solution can be done easily without changing the hardware.



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IPB-P81-55-10 L5530003

Ordering Numbers

Industrial Location Mapping - Ordering Numbers

Ordering Number	Product
8436677601	ILM Tag STR-S
8436677602	ILM Tag STR-L
8436677603	ILM Tool Tag ETP
8436677604	ILM Tool Tag ST61-S
8436677605	ILM Tool Tag ST61-L
8436677610	ILM Tag ETP TBP
8436677618	ILM Tag ITB-P
8436677620	ILM Tag STR-S 2in1
8436677621	ILM Tag STR-L 2in1
8436677622	ILM Tag ITB-P 2in1

Ordering Number	Product
8436677301	ILM Anchor
8436677303	ILM Configurator Stick
8436677690	ILM Demo Case



Click on the image to order ILM in the Atlas Copco Web shop

Thank you for reading

Industrial Location Mapping - Leaflet