



Making the right move

ifm mate: assistance system for manual workstations

- AI-based system helps with assembly and packaging activities
- Intuitive user guidance simplifies set-up and everyday handling
- Further information on work steps facilitates the learning process
- No additional tracking items such as wristbands or VR glasses required



ifm – close to you!

Support, the easy way

With **ifm mate** you gain a patient and – theoretically – omniscient colleague for your manual workstations. Whether assembly work or packaging tasks: With **ifm mate** you can define, explain and carry out every manual work process step by step.

The core of the system is an AI algorithm that recognises the worker's hands in combination with the camera mounted above the workstation – without additional and obstructive gadgets such as wristbands or VR glasses. The defined workflow of the process is shown on the display, as well as optional supporting content such as videos or graphics.

Quality assurance with a learning effect

mate also clearly indicates deviations from the defined workflow. The missed process step is repeated until it has been carried out correctly. This improves the learning curve for the worker and ensures a high quality of execution.



| Description | Order no. |
|-----------------------------------|---------------|
| ifm mate worker assistance system | OXZ100 |
| Event Logger for ifm mate | OXZ001 |

New opportunities for process optimisation

With the “Event Logger” licence extension, recurring errors and time-consuming sequences in assembly workflows can be easily identified. This helps to make production instructions clearer and further optimise manual work efficiency.

Sensor integration and central library

O2D5 vision sensors can be seamlessly integrated into **mate** for even more effective quality control of the workpieces, for example via target/actual contour analysis. Via REST API, the system can communicate with higher-level IT infrastructure and transmit information about the current order status or assembly progress. Dialogue with SAP is also possible so that order planning can be done centrally for the individual systems.

Learn more about the range of functions at [mate.ifm](https://mate.ifm.com).



BEST FRIENDS

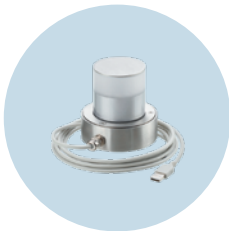
We reserve the right to make technical alterations without prior notice. - 04.2025
ifm electronic gmbh · Friedrichstr. 1 · 45128 Essen



O2D5 2D vision sensor
For the analysis of surfaces and contours



Monitor with touch panel
For display and operation of ifm mate



Signal lamp
LED lamp with USB connection for visual status indication



For further technical details, please visit:
ifm.com/fs/OXZ100