SIMOTION Handling

The automation solution for handling systems – IMT 5000

Are you looking for a turnkey solution that allows you to save time and expense when equipping your handling system?

Then you should take a look at our optimized solution for handling systems, which will impress your end customers, too.

Putting you in the picture:

Our application solution offers you standard user pages, which you can change, adapt to your requirements and edit so that they are truly customized – all this in the blink of an eye with our state-of-the-art WinCC flexible visualization software.

Your benefits:

• Maximum flexibility: Due to scalable products
• Simple, intuitive operation of the entire machine
• Scaled performance of drive and operator components ensures optimum suitability to requirements
• Built with standard components: SIMOTION, SINAMICS, SIMATIC HMI and I/O
• Open, application-based solution: Can be adapted by the OEM

The IMT 5000 application is based on our tried and tested SIMOTION hardware. So in the end, you determine what you expect from your machine:

• Are costs your main priority?
• Is a modular concept the solution for you?
• Do you expect maximum dynamics?
• Are you looking for new technological capabilities?
Flexible configuration possibilities:

Whether you need standard unloading robots, fast side removal or a complex peripheral application, the IMT 5000 puts all these possibilities at your disposal. Choose the right solution from the Siemens range, and find the perfect match for your machine. The user-friendly, hand-held terminal with touch screen enables easy entry and operation close to the machine.

Retrofit or system expansions:

Neither is a problem, as the IMT 5000 is perfectly equipped for all situations.

Open system:

Flexible parameterization allows you to freely select the languages of the user interfaces. This makes the configured machine suitable for use all round the world. The following languages are already integrated in the standard application, and you can, switch online from one to the other: German, English, Czech, French
Further languages can be integrated with ease following translation.

Maximum dynamics for short cycle times:

The best dynamic response is achieved with Siemens drive technology. Our SINAMICS drive system combined with 1FT7/1FK7 servo motors always gives you the "drive" you need.

Approved hardware for your handling system:

With the standard SIMOTION hardware, you have everything under control. PC-based (P350) or drive-based (D4x5). All components are globally available and have CE and UL approval.

Overview:

- Scalable system for standard and special machines
- Simple, intuitive HMI
- Machine commissioning via HMI
- Different password levels can be freely configured
- Up to 800 DI + 800 DO provided as standard I/O
- Camera Vision systems and analog I/O can be connected
- Simple sequence programming
- Teach-in functionality
- Up to 18 axes can be configured
- Hand-held terminal for machine operation
- File management → portable sequence program
- EUROMAP 12 / 67

Software functions:

- Machine commissioning via HMI
- Manual (JOG) mode, fast/slow, forward/backward
- ± 0.1 mm positioning from the operator terminal
- Manual positioning (position, speed)
- Override and teach-in
- Referencing mode
- Sequence programming editor
- Clear text entry for inputs/outputs
- Automatic mode (Restart, Stop, Continue)
- Single-step mode
- Safely reduced speed in setup mode

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