Injection molding

The automation solution for hydraulic injection molding machines – IMH 3300

Are you looking for an almost turn-key solution that allows you to save time and expense when equipping/retrofitting your hydraulic injection molding machine? Then you should take a look at our end user optimized solution for hydraulic injection molding machines.

The hardware:
The IMH 3300 application is based on our tried and tested SIMATIC 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 performance?
• Are you looking for new technological capabilities, such as Soft PLC?

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. The technology is based on new multi panels such as the
• 8” or 10” MP 277, or the
• 12”, 15” or 19” MP 377.

Your benefits:
• Simple, clear operator screens
• Large TFT touch panel
• Simple entry of injection molding machine parameters
• Recipes can be saved on a USB stick
• Easily scalable thanks to its optimized software structure
• Open STEP 7 system
Open to all possibilities:

During parameterization, you can freely select languages and units. With centimeters or inches, bar or psi, your machines are easier to export. The English and German languages are integrated in the standard application, and you can, of course, switch from one to the other online. Italian, Spanish and Chinese are supplied on a DVD as optional language templates.

STEP 7:

The extensive program functions of STEP 7 are:
• Open, simple handling
• Fast editing
• No special knowledge of high-level languages required
• Any programmer anywhere in the world with knowledge of STEP 7 will be able to support you if necessary

Open and closed-loop control of your injection molding machine with tried and tested hardware:

With the standard basic S7-300 hardware, you have everything under control:
• WinAC MP
  Cost-effective and simple
• CPU317/319
  Modular and high-performing
• Microbox PC 427
  Full steam ahead with soft PLC
• Panel PC 477
  One device for all systems
• Win AC RTX Soft PLC

All components are globally available and CE and UL-tested.

Retrofit or new:

Neither is a problem, for the IMH 3300 is perfectly equipped for both.

Highlights:

As our solution offers flexible conversion to different target systems, such as IPCs or panel PCs, you can offer your customers a broad range of possible hardware with just one single basic application. Operators, service engineers and technicians have a range of screens at their disposal for very convenient work, such as:

• Quality tables
• VDMA page
• Cyclic machine sequence
• Trend curves
• Controlled injection process
• Graphical presentation of injection, holding and dynamic pressure
• Cyclic machine monitoring
• Diagnostic pages (DI/DO, AI/AO)
• Error messages

User-friendly touch operation enables the easy entry and selection of all your injection molding machine parameters.

The WinCC flexible software development environment mentioned above is a successor to the tried and tested Standard ProTool V.6.0. Older applications can also be converted to newer hardware.

Ordering data

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<th>Application</th>
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<tr>
<td>IMH 3300 Initial License</td>
<td>A4027462-N00134-A0423</td>
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<td>IMH 3300 Runtime License</td>
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<td>WinAC MP Package for MP377 12&quot; Touch Panel</td>
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<td>6ES7 317-2AJ10-0AB0</td>
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