Extrusion

The complete automation solution for extruders – EXT 3370

Are you looking for a largely preconfigured solution that allows you to save time and expense when equipping your extruder? Then you should take a look at our modular and open solution for extruders.

Your extruder is controlled by tried and tested hardware:
The EXT 3370 application solution is based on our tried and tested SIMATIC S7-300 hardware. So in the end, you determine what your machine is capable of. With the standard SIMATIC hardware you have everything under control. The SIMATIC S7-300 stands for openness, modularity and high performance. But conversions to other systems, such as industrial or panel PCs, are no problem, either. In other words, you can make use of a broad range of possible hardware for your machine with the same standard application.

Your benefits:
• Simple and clear operator screens
• Ease of scalability of the display size of TFT-Touch-Panels
• Simple entry of extruder parameters
• Integrated drive control and temperature control
• Ease of scalability of drives and temperature zones thanks to its optimized software structure
• Integration of gravimetric feeder and melt pump
• Recipes can be saved on a USB stick

Putting you in the picture:
Our EXT 3370 application offers you extensive, preinstalled standard screens for controlling and monitoring your extruder. Your operators, technicians and service engineers have a range of screens at their disposal for easy, convenient work, such as:
• An overview of the temperature zones at a glance
• Drive control with startup and group function
• Gravimetric or volumetric dosing (interface to Siemens SIWAREX FTC or systems of other leading suppliers)
• Melt pressure or speed control, melt pump (interface to systems of leading suppliers)
• Archiving and monitoring of process variables
• Diagnostics and messages
You can change these, adapt them to your requirements and edit them so that they are truly customized – all this in the blink of an eye using our state-of-the-art SIMATIC WinCC Comfort visualization software. English and German are integrated in the EXT 3370 application as standard languages, and you can, of course, switch from one to the other online. The SIMATIC WinCC Comfort visualization software mentioned above is the successor to our tried and tested standard SIMATIC WinCC flexible. This means that older HMI applications can also be rapidly converted to newer hardware.

**Operator control made easy:**
The EXT 3370 is operated using new Comfort Panels such as the 12” TP1200 or the 15” TP1500 or even bigger ones. User-friendly touch operation enables the easy entry and selection of all your extruder parameters.

**Temperatures under control:**
Separate parameter sets for heating and cooling zones in the EXT 3370 application leave no temperature unregulated. Integrated multizone auto tuning optimizes the control parameters. The built-in heating current monitor increases the availability of the extruder control with EXT 3370. A weekly time switch facilitates extruder startup.

**Open control with STEP 7:**
The EXT 3370 solution is supported by impressive features from the standard SIMATIC software:
- 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 help you.

During parameterization, the software can be adapted very quickly to extruder configurations. All components are globally available and CE and UL-tested.

### Ordering data

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<tr>
<th>Application</th>
<th>Order number</th>
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<td>EXT 3370 Runtime License</td>
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<td>TP1500 Comfort Panel</td>
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Siemens AG
Industry Sector
Motion Control Systems
P.O. Box 3180
91050 ERLANGEN
GERMANY

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