

**Easy View**

Mold/runner diagrams on a 15.6" HMI instantly display relevant parameters.



**Rapid Understanding of Mold Structure and Temperature Distribution:** Through visual representations, operators can instantly grasp the mold's structure and temperature distribution, which greatly facilitates rapid adjustments and optimization of mold performance.

**Enhanced Abnormal Detection Efficiency:**

Operators can intuitively inspect temperature settings in different areas, making adjustments as needed to expedite the troubleshooting process.

**Reduced Risk of Operator Errors:**

An integrated human-machine interface that simultaneously displays temperature setting parameters, mold images, and the corresponding actual mold positions helps minimize operational mistakes, thereby enhancing system stability and reliability.

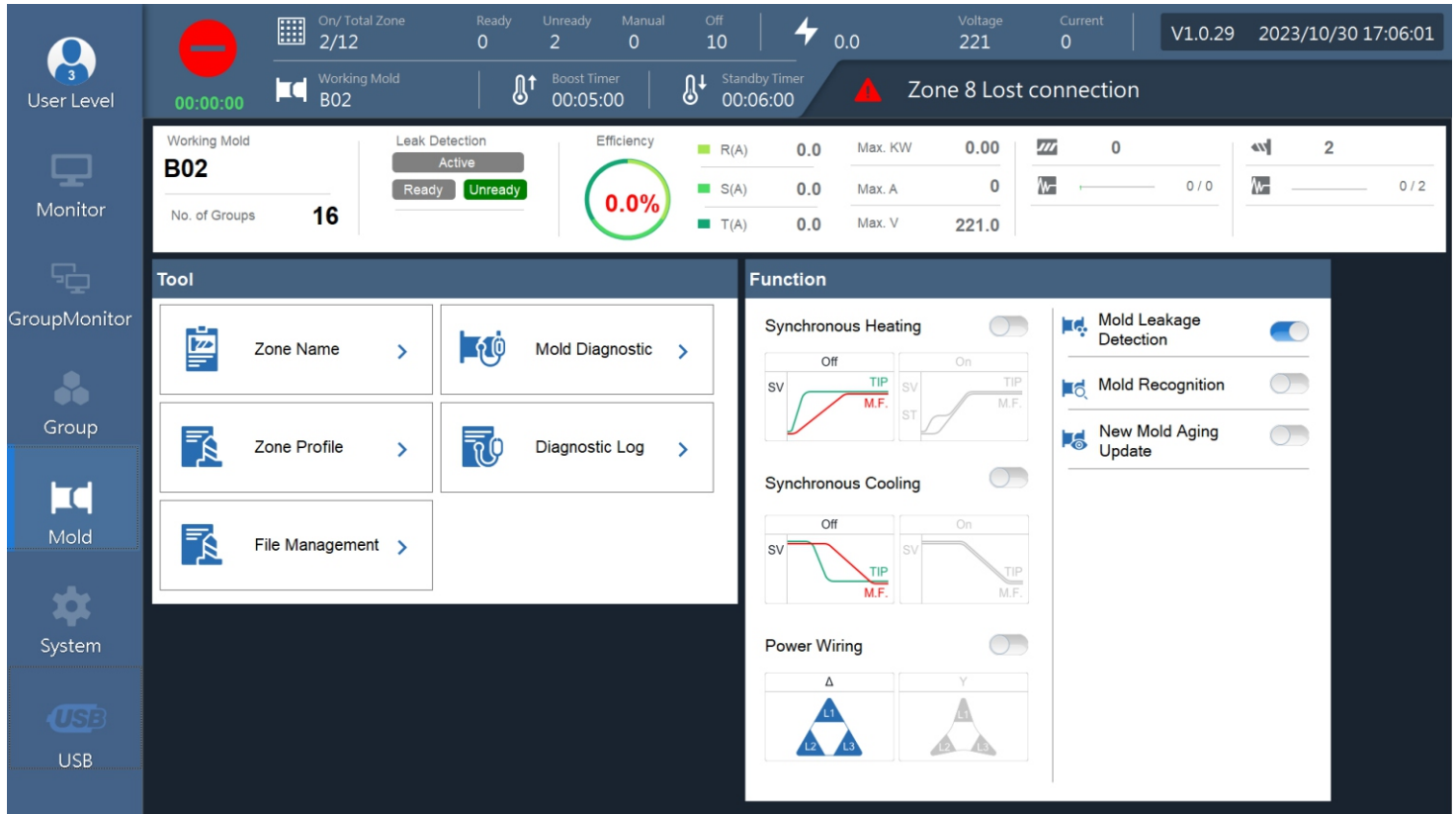
In summary, this integrated human-machine interface design contributes to improved efficiency and precision in mold operations while lowering the learning curve and usability barriers.

**Advanced Specification Support:**

**Supports EUROMAP82.2 specifications, ensuring standardization and compatibility.**

## Smart Connectivity

Enable real-time production monitoring via WiFi VNC connections.



### Synchronous heating /cooling Function:

**Function Description:** The synchronized temperature adjustment function avoids initially raising the temperature of the entire mold, mitigating the risk of excessive electrical currents and ensuring uniform heating across the entire mold surface.

**Application Scenario:** In the manufacturing process, it can meet the specific requirements of certain products or materials.

### Mold Recognition Function:

**Function Description:** The mold recognition function can identify and memorize specific settings for different molds, including temperature and segment parameters.

**Application Scenario:** On the production line, when switching between different molds, the mold recognition function can prompt the retrieval of previously saved mold settings, saving adjustment time and reducing the risk of operational errors.

### Leakage Detection Function:

*Detecting the leakage of material*

**Function Description:** The leakage detection function can identify whether there is material leakage in the mold, preventing waste and quality issues during the production process.

**Application Scenario:** In the hot runner system, material leakage can lead to material loss and uneven molding. Therefore, the leakage detection function can identify abnormal currents and pre-check for any leakage issues, ensuring production efficiency and product quality.

The integration of these functions can enhance the automation level and operational efficiency of the hot runner system, simultaneously ensuring stability and quality throughout the production process.

## Modification Records

Real-time parameter change tracking.

Date	Before	After	Message
2023/10/30 08:37:29	Power On	Power Off	Zone all Power
2023/10/30 08:45:17	On	Off	Zone 8 Zone Switch
2023/10/30 08:45:19	Off	On	Zone 8 Zone Switch
2023/10/30 08:45:27	Power Off	Power On	Zone all Power
2023/10/30 08:46:09	On	Off	Zone 8 Zone Switch
2023/10/30 08:46:10	Off	On	Zone 8 Zone Switch
2023/10/30 08:46:39	Power On	Power Off	Zone all Power
2023/10/30 08:46:43	Power Off	Power On	Zone all Power
2023/10/30 08:47:29	Power On	Power Off	Zone all Power
2023/10/30 08:47:46	On	Off	Zone 8 Zone Switch
2023/10/30 08:47:49	Off	On	Zone 8 Zone Switch
2023/10/30 08:47:55	Power Off	Power On	Zone all Power
2023/10/30 08:49:05	Power On	Power Off	Zone all Power
2023/10/30 08:49:08	Power Off	Power On	Zone all Power
2023/10/30 08:49:43	Power On	Power Off	Zone all Power
2023/10/30 08:49:44	Power Off	Power On	Zone all Power

Operation logs are a functionality designed to record the interactions between operators and the system, aiding in tracking, analyzing, and evaluating the system's usage. Here are some key explanations regarding Human-Machine Interface (HMI) operation logs:

### Recording Operator Activities:

**Function Description:** Operation logs of the HMI can record activities such as parameter adjustments performed by operators.

**Application Scenario:** This helps track the actual operations of users within the system, providing insights into their behavioral patterns and habits.

### Timestamps:

**Function Description:** Operation logs include timestamps, recording the occurrence time of each operation. This is crucial for determining the chronological order and duration of events.

**Application Scenario:** This is essential for tracking the occurrence time of specific events and analyzing the time patterns of user activities.

In summary, HMI operation logs are a crucial tool that provides in-depth insights into the system's usage, offering valuable information for continuous improvement and optimization.