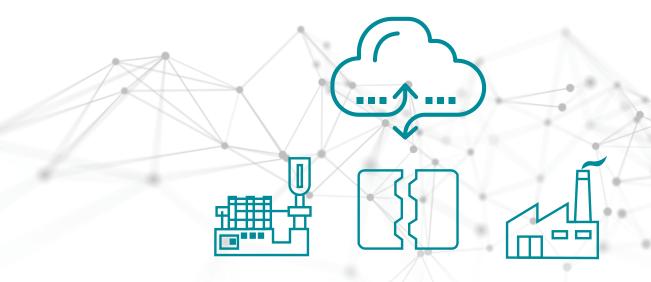


# SmartM@ld

## **MOLD MONITORING SYSTEM**





**MOLD • MACHINE • FACTORY** 

### MOLD MONITORING SYSTEM

Mold-Masters SmartMOLD is a cloud-based software platform dedicated to the plastics industry providing real-time data to drive injection molding innovation. Process data is collected from sensors embedded within the injection mold which offers feedback and insights that drive enhanced productivity. Our solution is the first step towards predictive and autonomous capabilities within your facility.

Although SmartMOLD is focused on the mold, it also has the potential to pull data from injection molding machines. SmartMOLD is compatible with any brand of equipment.

### **POWERED BY THE CLOUD**

- Real time data.
- Accessible 24/7 with reporting and analytics.
- Ensures you always have the latest version (no manual updates required)
- Does not require customers to have their own IT team in order to support.
- Enables the path to predictive and other powerful capabilities.

### DATA SYSTEM INTEGRATION

- Pull data into existing ERP/MES systems.
- API's available for any system.
- Export data in various formats (Exel, csv, xml, net, etc).

### **FLEXIBLE & ECONOMICAL**

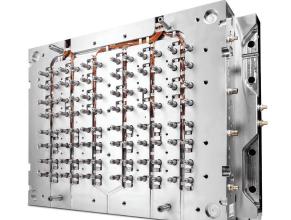
- Compatible with any brand of mold and/or machine.
- Connect molds only, injection machines only or connect everything.
- Users can scale the system to their facility and budget requirements
- Only pay for what you use.

### A GLOBAL SOLUTION

- Server facilities operating in several major regions.
- Compliance with local data privacy laws.
- Enhances data response times.
- Unlimited data storage.
- Global installation and technical support

### **ROBUST DATA SECURITY**

- Compliant with ISO 27000 and regional Laws (Chinese Internet Law, GDPR).
- Complete data privacy and confidentiality.
- Guaranteed end-to-end protection.
- Private and dedicated servers.
- Redundancy, backup and fail-over.
- Maintain 24x7 availability to your data.
- Unlimited data storage.
- Customers own their own data.
- User based log-ins to control access.





SmartMOLD features a new look and feel. Information can be viewed from the highest level or drilled down to the smallest detail. Navigation is quick to navigate and all this data remains simple to understand.

#### **MULTI-PLANT OVERVIEW**

<b>9</b> @ 0	Fishis Machinery Group Greenborngt, VC -1: Production, Running 11 -1: Production, Running 11	یہ ایر ج اور	9 0 9	S	800-	Net Is Production 1s Production 1s Production Nat Bussing	50%
	-Not in Production: 13		a Anna Consta				Earope
# Project ID 👙	Mold State 👙	OEE 👙	Cycle Time   +	Uptime 🍦	Downtime 👙	Total Count: S	2,218
T14 APL-0048	Running	89.39%	40 seconds/ cycle	07:52	00:12	Europe	333
T14 APL-0048 T21 KGH-5489	Running Not Renning	89.39% 52.00%	40 seconds/ cycle 35 seconds/cycle	07:52	00:12	Europe Asia	333
						Asia India	377
T21 KGH-5489 T39 KGH-5582	Not Renning	52.00%	35 seconds/cycle	06:52	03:20	Asia India North America	377 377 377
T21 KGH-5489	Not Running Running	52.00% 77.21%	35 seconds/cycle 35 seconds/ cycle	06:52 04:52	03:20 00:02	Asia India	377
T21 KGH-5489 T39 KGH-5582 T14 APL-0048	Not Renning Running Running	52.00% 77.21% 85.00%	35 seconds/cycle 35 seconds/ cycle 40 seconds/ cycle	06:52 04:52 04:52	03:20 00:02 00:02	Asia India North America Canada	377 · 377 · 377 · 126 ·

See critical details of your facilities and molds from a global perspective. Filters allows users to focus on certain projects/regions.

### INDIVIDUAL VIEW



Compare productivity shift to shift. Track downtime and scrap.

#### **ANALYTICS & REPORTING**



Visual charts makes information easy to digest. Reports can be pulled on almost anything and scheduled to be run at regular intervals.





#### PLANT PRODUCTION OVERVIEW

A simple high-level view with icons to quickly identify issues.

#### **MAINTENANCE SCHEDULE & HISTORY**

TASK	INTERVAL	PROGRESS	REMAINING	DATE DUE	COMPLETED	
Service A	10,000	27%	2,700	6/21/2021		
Clean and visually inspect gate comport	ients (replace if necessary)				0	
Clean and visually inspect sprue bushing	8				0	
Perform a meter check on all electricals against the provided electrical schematic						
Service B	20,000	100%	20,000	DUE TODAY	~	
Remove clamp plate; Visually inspect for plastic leakage						
Remove water fittings and check for corrosion deposits within channels						
Clean and visually inspect locating ring						
Service C	36,000	0%	-5 days	5/31/2021		
Remove manifolds and nozzles from plates; Clean and inspect melt channels						
Replace pressure disks					0	
Replace worn gate components (noted	in item 1)				0	
Replace thermocouples					$\bigcirc$	

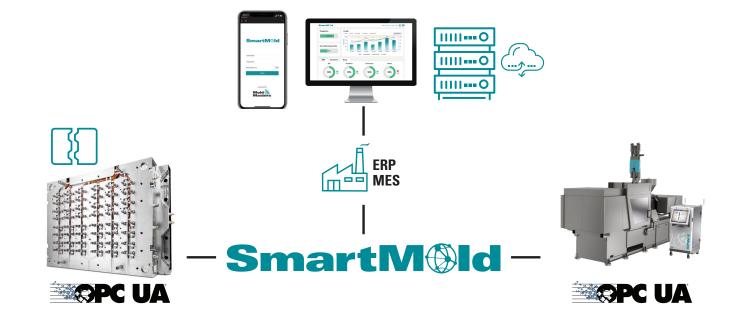
Ensure proper maintenance guidelines are followed and track what's been completed

#### **MOBILE APPLICATION**



View production status and enter data on the go. Quickly identify and pull up equipment information. Set email/sms alerts on almost anything.

### **SMART CONNECTED NETWORK OPTIONS**



### **SPECIFICATIONS**

	Cycle Count/Time			
	Mold Temp (x8)			
Mold Sensor Options	Cooling Temp			
	Cooling Flow			
	Humidity			
Sensor Options	Digital / Analog			
Communication	OPC-UA			
Requirements	Mold Machine			
System Connection	Ethernet			
Requirements	Internet Connection 24V DC Power			
Install Placement	Electrical Box			
Dimensions (HxWxD)	106 x 141 x 55			

