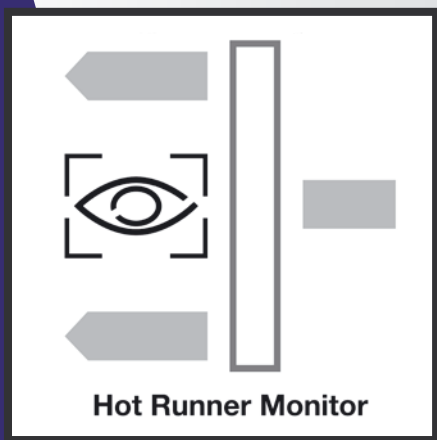




wf plastic GmbH was founded in 2003. The family-managed company with a highly motivated team relies on good business relations. Our products are constantly being developed and are always at the state-of-art-technology. We value particular importance to functionality and intuitive operation.

We have set up a technical center with cutting-edge testing devices and an injection molding machine for our testing series and samples. Our working environment is characterized by a modern und energetic building. A photo-voltaic system covers our entire electricity demand as well as the low heating demand is generated by a heat pump.

Only the best components are used for our products. Here we are aware of the careful use of limited resources and the optimal and efficient utilization of products and solutions. We operate on the national as well as on the international market and also give great importance to sustainability in the costumer relation, employee retention as well as in training and knowledge transfer.

Hot Runner Monitor

Our Hot Runner Monitor is a monitoring system that was specially developed for hot runner systems in injection molding tools. It is used to identify hot runner leaks at an early stage. The system offers comprehensive protection for every cause of leaks and guarantees equal production processes.

- Fast payback period
- Reduce machine downtime
- Small repair costs
- Sustainable investment
- Easy adjustment
- Fast retrofitting
- Low-maintenance operation



Hot runner system with 8-point monitoring

Installation

The integration into new or existing hot runner systems is very simple.
Before the installation starts, the hot runner must be pulled out of the mold.

Tool-side installation:

1. Determine overviewing points
2. Determine the position of the distributor
3. Lay and fix the stainless-steel tube
4. Connect the distributor to the stainless-steel tube by using cutting ring system
5. Check the value differences to trigger the detection



Hot runner bar with steel tube and mounting bracket

Machine-side installation:

1. Installation of the monitor on the injection molding machine
2. Adaptation of the air hoses to the monitor and stainless-steel distributors (or switch box)
3. Connection of the air supply at the monitor input (3...14 bar)
4. Coupling of monitor and injection molding machine via potential-free contact
5. Storage of the tool (name + reference value/s)



Advantages

One step ahead: Predictive Maintenance

Unplanned production downtimes due to leaks in hot runner systems can lead to significant costs for injection molding companies. If the availability of tools and machines is limited by damage to individual components, planned production targets cannot be achieved. Our systems monitor the operation of tools and hot runner technology in order to minimize unplanned downtime and reduce subsequent costs to a fraction.

Reduced downtime:

Through continuous monitoring and early detection of errors and their causes, downtimes are decreased.

Cost efficiency:

Avoiding expensive repairs and production downtime leads to significant cost savings.

Ease of use:

The simple installation and operation make the HRM a user-friendly solution for monitoring hot runner technology.

Advantages

Process optimization:

With HRM you increase the competitiveness of your production. The system's analysis and storage tools ensure optimization in every phase of your production process.

Damage prevention:

HRM allows you to better plan maintenance based on the actual condition of your tools. Spare parts costs can be minimized and storage costs optimized.

Key figure optimization:

By using HRM, you can continuously monitor your production process and improve your overall plant efficiency. Optimize your productivity, quality, cost, storage and safety key figures.

Technical data

Connections and outputs

- Compressed air connection 3...14 bar
- Operating voltage 100...240 volts
- alternating current (AC), 50/60Hz Potential-free contact

Consumption

- Low air consumption up to 30l/min
- Power consumption < 1500mA

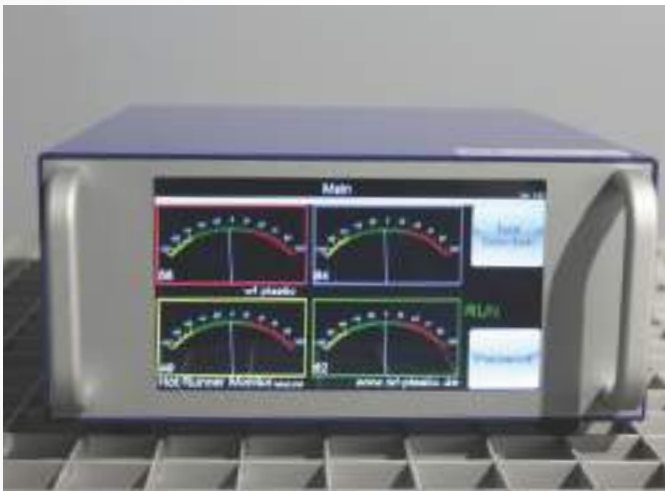
Compatibility

The monitor is compatible with most common injection molding machines and can be easily integrated.

Variants

Hot Runner Monitor (HRM) types

- HRM 08 (8 monitoring points)
- HRM 16 (16 monitoring points)
- HRM 32 (32 monitoring points)
- HRM Test



HRM 32

Equipment

4-fold distributor

- Including cutting rings and screw fittings
- Order number: 500.000.0008



High-grade-steel tube

- Order number: 500.000.0007



Cutting ring

- Order number: 500.000.0009



Compression coupling 1/16

- Order number: 500.000.0010



Screw plug

- Order number: 500.000.0020



Pressure relief nozzle

- Order number: 500.000.0082



High-grade-steel strip

- Order number: 500.000.0011



Y-distributor hose

- Up to 80 degrees
- Order number: 500.000.0013



Equipment

Switchbox 8-32

■ Order number: 500.000.01xx



Tube fitting 1/16

■ Order number: 800.000.0069



Air hose

■ Temperature range -40 degrees up to +60 degrees

■ Order number: 800.000.00xx



Valvetool for distributor

■ Order number: 500.000.0017



Fixing base

■ Order number: 800.000.1053



Tubing plier for metal tubing

■ Order number: 800.000.0053



High-temperature adhesive tape

■ Order number: 800.000.0054

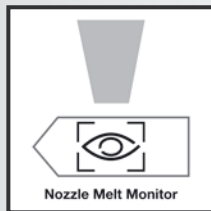


Handdrill

■ Order number: 800.000.0172



Further topics



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