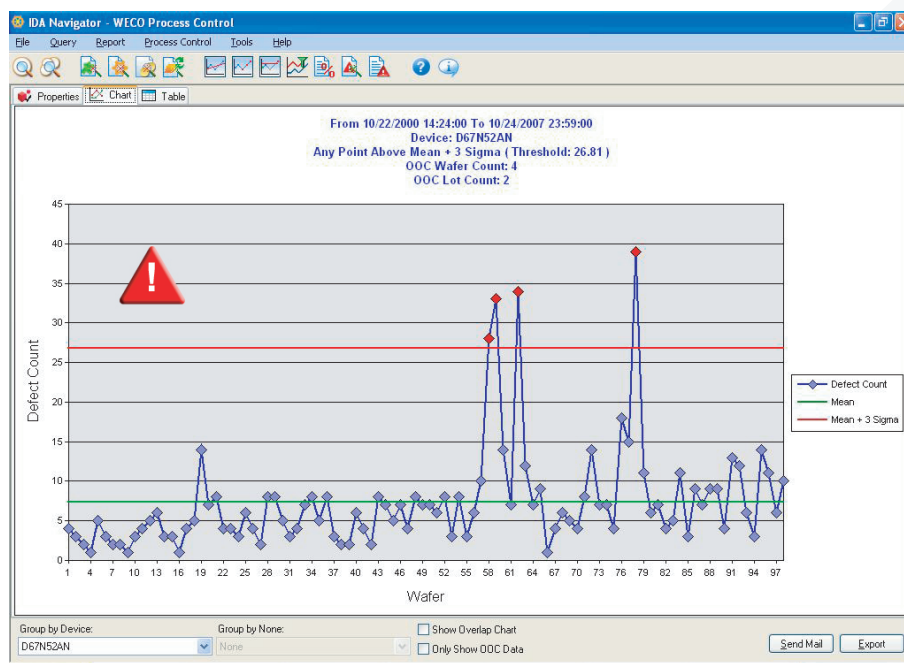


# RPM DATA SHEET

**Real-Time Process Monitor (RPM™)** is a thin client component of the SiGlaz Intelligent Defect Analysis (IDA), Enterprise Edition. RPM monitors IDA recipes in a production environment, 24 by 7, and sends a warning or alarm when process control limits are exceeded.

As the number of AWB recipes operating in the fab increases, the user needs a centralized location to monitor the current status of each recipe. IDA Real-time Process Monitor provides a dashboard-type display of the status and real-time results from multiple operating AWB recipes. The user may set warnings and alarm conditions that will automatically trigger when process control limits are exceeded. In addition, RPM enables the user to perform administrative functions, such as managing the job queue and setting security passwords for each recipe.

The user may set RPM to display the results of up to four recipes simultaneously. The content of the displays may be changed, depending on the type of signature that is being analyzed.



**Figure 1**

RPM dashboard display showing analysis results from recent results files. Display shows an alarm condition when 4 out of 5 points exceeded the two sigma threshold.

## Key Features

**Job Management:** RPM allows the user to schedule and run multiple recipes. Individual recipes can be started, stopped, modified and restarted with affecting the other recipes. RPM also allows the user to manage a job queue, allowing the user to stop, pause, abort and prioritize jobs.

**Set Alarms and Warnings:** The user can set multiple monitor functions that will trigger an event when an alarm condition occurs. The RPM allows the user to reset or to drill down on each alarm to review the details of the excursion. Alarms may be configured for a variety of process control rules, including WECO rules, for example:

- Consecutive points up.
- 4 out of 5 points above one sigma.
- 2 out of 3 points above two sigma.
- Any point above three sigma.
- Slope of a linear trend line .

**Dashboard display:** RPM displays the analysis results from up to four recipes running simultaneously. User may change the display to other operating recipes at any time. Analysis results are displayed over an extended time period. User may specify which parameters to display depending on the type of signature analysis; for example, signature confidence level, number of dies with repeater defects or the number of scratches.

**Security:** RPM allows the user to implement a separate password access for each recipe. Only a user with password access can start or stop the recipe or monitor it once it is running.

**Scalability:** RPM is designed to run in a client / server architecture that enables easy scalability. When the user needs to increase the processor capacity to support additional operating recipes, he can do so by simply adding additional client processors.

## Contact Information

### Corporate Headquarter

SiGlaz

2953 Bunker Hill Lane, Suite 400,  
Santa Clara, CA 95054  
Tel: 408-282-3599  
Fax: 408-282-3501  
Email: sales@siglaz.com  
Website: <http://www.siglaz.com>

### Research and Development

SiGlaz VN Ltd.

Unit 10.3b, 10th Floor, e.town Building  
364 Cong Hoa, Ward 13, Tan Binh Dist.  
Ho Chi Minh City, Vietnam  
Tel: 84-8-812-2040  
Fax: 84-8-812-2039