

fab|Smart® Speciality Gas and Chemical Consumption Reports

Automated gas consumption reporting saves valuable supervisory labour time

Usage by Tool

Start Date 14 Jul 2012 (Inclusive)
End Date 13 Aug 2012 (Inclusive)

This report details the usage of substances using the user defined allocations of use point to tool

Tool	Substance	Use Point	Usage (lbs)
SEMIPUP			
SEMIPUP			
SEMIPUP			
	N2O		1.25
		88000 (50%)	1.25
SEMIPUP			
	N2O		9.39
		88000 (50%)	9.39
SEMIPUP			
	N2O		47.25
		88000 (50%)	47.25
SEMIPUP			
	N2O		2.39
		88000 (50%)	2.39
SEMIPUP			
SEMIPUP			
SEMIPUP			
SEMIPUP			
SEMIPUP			
SEMIPUP			
SEMIPUP			
SEMIPUP			



Our Client

Multi-national Industrial Gas & Chemicals service provider to Semiconductor Manufacturing Industry.

The Problem

To produce a report required by the semiconductor fab of gas consumption by tool, takes approximately 7 hours using current legacy IT systems. This report is required at least every month and is compiled by the gas lead for the site. The labour cost to produce this report is currently over \$8k per annum.

The Solution

fab|Smart® total gas and chemicals management system, developed by TR Control Solutions produces a range of reports on gas and chemicals consumption. These reports can be scheduled to run automatically and emailed to a list of approved recipients.

The Benefits

Production of the report previously cost approximately \$8k per annum (in supervisory labour time) it can now be requested automatically by the customer and this requires no labour time to generate and distribute.

The Detail

Industrial gases and chemicals are critical materials used in the semiconductor manufacturing process and a significant proportion of the cost of an integrated circuit. Consequently fab managers are concerned with being able to monitor the use of these materials to ensure that they are used as economically as possible and also to be able to apportion use by tool and therefore by product. One key report they require (at least monthly but preferably more frequently) is a Tool Consumption Report that shows the use of each gas by tool and/or tool group.

Using their legacy IT our customer is able to produce this report although to do so is very time consuming, taking a supervisor in excess of 7 hours to produce one report

One feature of fab|Smart® (our total gas and chemicals management system) specifically developed for the global semiconductor manufacturing industry, is the ability to generate tool gas consumption reports for any period and for these reports to be scheduled to run automatically and to be distributed to a list of approved recipients.

So now instead of an on-site supervisor having to spend at least 7 hours every month compiling this report these can now be generated and sent automatically to the fab managers thus freeing up the supervisor to perform value added tasks that improve both the productivity and the quality of the TCGM service provided.



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