

Argon Filling Systems, Inc (AFS) provides data collection features to enhance your operations quality and reliability efforts.

Barcode Scanning and Data Archiving keep an enhanced record of the completed initial fill process of each Insulating Glass Unit (IGU). Daily Statistical Data Archiving allows easy evaluation of the efficiency of the gas filling process.

Barcode Scanning and Data Archiving

Barcode Scanning and Data Archiving provides the details for each IGU filled using the AFS system. Each IGU barcode is scanned, along with the filling line barcode, to keep an accurate and complete record of the IGU filling details.

Cordless Industrial Barcode Scanner Features:

- Long lasting battery
- Flexibility for the operator
- 1D or 2D barcode scanning

Key Data Collected:

- Time, date and operator number
- Fill time and initial fill percentage
- Line number and IGU identifying numbers (Barcode data)
- Gas sensor calibration date



Obtaining Data (Ethernet/Email Option Available)

Data is stored on a microSD card inside the AFS machine. Data can be obtained via the microSD card or sent to a user defined email address utilizing the Ethernet/Email option. The data is then imported using the exclusive AFS Microsoft Excel data collection macro. This spreadsheet is arranged as a pivot table for ease of searching and sorting the data. Graphs are preprogrammed into the tool and new graphs can be easily created utilizing Microsoft Excel.

PERFORMANCE



SAFETY



RELIABILITY

IG BARCODE DATA

Argon Filling Systems, Inc.

Glass Company, ANYtown, USA

DATA		CHARTS	
Date	IG Barcode Number	Fill%	Time to
8/16/2014	101813191217	97.1	
8/16/2014	112233445566	73.2	
8/16/2014	101813191217	72.2	
Total	9876543210	97	
	123456789		

Performance. Safety. Reliability.

ULTIMATE QUALITY AND PERFORMANCE. AFS Machines are designed with line-dedicated vacuum generators, so each line operates independently and efficiently to achieve maximum output and productivity. Even if one line is down for maintenance, the other lines continue operating at full-capacity, minimizing the gas-filling bottleneck that is common in the manufacturing process.

IMPROVED SAFETY. An improved simple operator screen allows for quick training and error-free operation. Multiple sensors in each line ensure an accurate fill and a balanced process, reducing any chance of glass breakage. Maintenance and calibration can be performed quickly on-site, greatly reducing maintenance and downtime. This results in years of uninterrupted services.

YEAR-AFTER-YEAR ACCURACY AND RELIABILITY. Partnering with quality and plant managers, maintenance personnel, and operators, AFS designed the most user-friendly machine on the market. With a one-button start mechanism, dynamic visual fill indicator, and user-adjustable set points, each line may be independently stopped/restarted by either the user or automatic shut-down features.

Daily Statistical Data Archiving

Data archiving provides key information for the analysis of the gas filling operation. Looking at the efficiency and accuracy of this key manufacturing process can help identify ways to reduce this typical bottleneck with **no operator input required**.

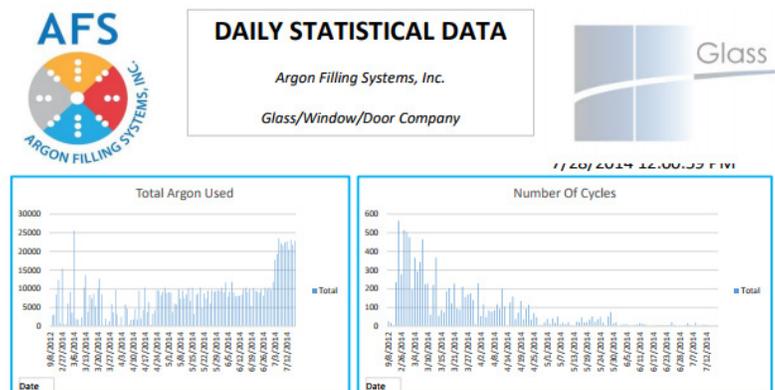
Answer the following key questions:

1. How many IGUs were gas filled today?
2. How much time does it take to fill with insulating gas?
3. How much Argon are we using?
4. Do I need to add another operator/machine?



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Made in the United States of America

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