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Efficiency Solutions for Semiconductor and Electronics Manufacturers

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"The Q-Efficient™ devices allow us to track all our products in real time cost effectively."

ACADZ Q-Efficient™ WIP Tracking and Control Devices

The new wave in tracking inventory (WIP) on the factory floor is by using a new-patented technology system called "Q-Efficient™" from ACADZ inc. This small Java™ powered hardware device is attached to the Wafer Boat or Foup and is contacted with a reader at each step in its process flow upon arrival (read) and upon leaving (write) a machine group. This can save operator time and eliminate possible errors of manually inputting the data at each step. The new device does more than just contain a list of process flow steps, smart decision making tools and interfaces are embedded to ensure processes are followed precisely and report progress to plant managers. ACADZ "Q-Efficient™" system saves manufacturers time and money.

This simple to use inventory tracking "Q-Efficient™" device, about the size of a dime, can tell the user where a product LOT is in the factory. It works as a "Paperless Traveler" and signals the operator via the reader display to confirm that the right product is put on the right machine with the correct process at the right time. For example, in a semiconductor FAB when you have an error in a machine process, you can lose all 24 wafers in a LOT cost ranging from \$25,000 to \$250,000+ per LOT depending on the product and amount of devices on the wafer. Once the new ACADZ WIP tracking "Q-Efficient™" device is installed, this single error control feature usually saves semiconductor and electronic firms the cost of the whole system within a couple of months.

There are more features that save time and effort but are more difficult to measure. Plant Managers and Schedulers can receive information on a LOT remotely any time from their desktop computer. They can see the actual location of a LOT in the factory and at which step in its process flow, when that LOT is equipped with the "Q-Efficient™" tracking devices. This system is real-time and helps the Manufacturing Manager reduce scrap by helping improve flow and location tracking accuracy for better scheduling on factory floor. These WIP tracking devices can be used in tandem with your existing simulation or scheduling software, MES, or SCM software. They also interface easily with ACADZ's simulation models powered by Extend™.

This simple to use WIP Control System gives you the ultimate in real time decision making tools and real time feedback:

- Real time operator information
- Real time bottleneck information
- Real time machine usage
- Real time product process flow, step by step
- Real time confirmation of right product, machine and process

The hardware then allows you to immediately:

- Improve and control machine efficiency
- See performance measurements on equipment and operators
- Eliminate scrap by identifying root causes
- Eliminate processing errors caused by misfeeds
- Receive a quick return on your investment

Up to the minute information gives you the flexibility to more effectively manage your resources and leverage your assets to maximum profit. Q-Efficient™ means increased **PROFITS**.

Pricing: Contact ACADZ for a free cost benefit consultation.

