

Trusted by the leading industrial controls electronics manufacturers worldwide

Customize your automated programming systems to meet your quality & production requirements

Serial Number Server



Version Control



Factory Integration Software (FIS)



Secure Data Management



Enhanced Yield Programming Controls



3D Coplanarity Check



Tape Label Generator



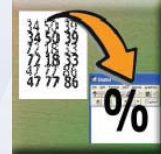
DataMapper



Confirm Input Device



Enhanced Statistical Process Control



## Support Available 24/7

Serving global electronics manufacturers with over 60 trained field service & support engineers

- Local service support
- Local engineering support
- Regional spare parts



*"We rely on Data I/O to support us on dozens of projects on four continents. No one else can give us this level of support."*

- Global Electronics Manufacturer



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## Industrial Electronic Devices

When you have a fire emergency, you cannot "reboot" the sprinkler head software. It must work everytime.



➔ Your application requires version control & traceability

➔ Your devices are mission critical - they must work

➔ You demand the highest quality & reliability

➔ You require the highest programming yield

# When Quality Matters

Device programming is the foundation and critical first step to ensure product quality, reliability and safety for industrial controls. Poorly programmed devices are an accident waiting to happen.

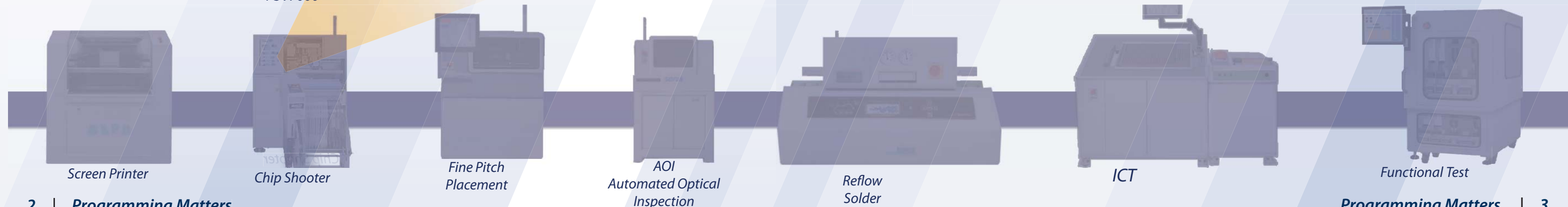


When facing an atomic worst-case scenario like Fukushima you cannot “restart” the cooling system of a nuclear power plant. The control system **must** work properly at all times.

## Best Practices for Quality Programming

To meet high quality standards productions managers look for ways to optimize programming into the production process by:

- Eliminating opportunity for human error
- Automating device handling processes
- Ensuring data integrity



## Solution

- ✓ **Eliminate opportunities for human error** with automatic job selection and download from the line's master recipe by integrating programming with your factory's Manufacturing Execution System (MES).
- ✓ **Automate handling process:** True 3D Coplanarity Vision Systems measure the leads of each device after programming to ensure they are within specified tolerances before being placed in output media. Data I/O integrates our second generation 3D Coplanarity Vision System with our **award winning PSV7000** for precision handling and reliability making it ideal for parts of any size.
- ✓ **Ensure data integrity:** Not all programmers are created equal. Data I/O's universal FlashCORE III programming engine with Superboost technology is the **only programmer** validated by a leading semiconductor manufacturer to **reliably program** small lithography MLC NAND devices when following published Best Practice guidelines for preprogramming.

## Offline Programming vs. OnBoard

	OnBoard	Offline
<b>File Sizes:</b>		
Small	●	●
Large	●	●
<b>Cost of labor to maintain</b>	\$\$\$\$	\$
<b>Creation of algorithm</b>	Inhouse	Provided
<b>Bad Block Management</b>	highly complex	
<b>Scalability to meet production</b>	●	●
<b>Coplanarity check</b>	●	●
<b>Cost of scrap</b>	\$\$\$	\$
<b>Devic Mix:</b>		
Low	Easy	Easy
High	Complex	Easy