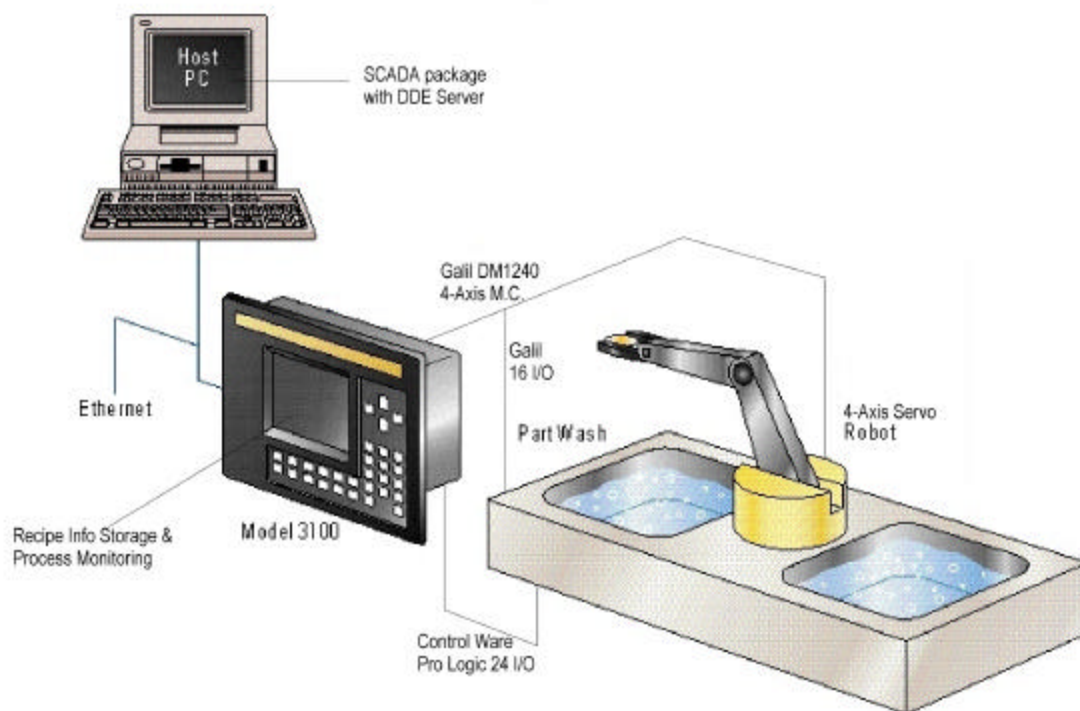


Application Note #28

An Eason customer manufactures systems that wash semiconductors between wet processes. They needed to control a cylindrical 4-axis robot to move parts from one wash bath to another, and control the tank levels and temperatures. A clear graphical operator interface was required. They also needed to make operational information available on a factory-wide Ethernet system.

The Eason Model 3100 can bring all of these components together. The clear graphical Eason MMI allows the operator to save recipe information, and monitor parameters. Using ControlWare Pro Logic, the 3100 can perform logic scans, and react to operation conditions, removing the need for a PLC. The Eason Model 3100 was also able to control the robot with the available internal PC104 Galil DMC1240 4-Axis Motion Controller expansion card. The 3100 can then share controller data with a SCADA system on a PC using DDE Server via the PC104-10 Ethernet Expansion.



The Eason Technology was able to give the customer:

1. Graphical color touch screen MMI that displays operational parameters.
2. Multi-Axis motion control via Galil 4-Axis PC104 card.
3. High-speed I/O to scan to operation conditions.
4. Connection to factory-wide Ethernet system for sharing data.