



## Key Benefits

- More accurate down time reasons
- Better understanding of down time
- Better understanding of machine capability
- Better understanding of product specific manufacturing problems

Eye to the future | Window on the world

## Summary

The system was designed to provide management with an accurate assessment of down time reasons for 11 welding machines. Previously, the customer had adopted a manual paper based method of collecting down time reasons but this had proved to be inaccurate; Down time periods were not timed accurately, reasons were only assigned at the end of a shift and errors were made reading the paper forms. In addition, a great deal of time was wasted transferring the data from paper into a computer database.

The system monitors for the running / stopped state of each machine. This is determined by counting each weld and calculating a running speed. If a machine stops, a short period of time is allowed and then a hardwire interlock is asserted. This prevents the operator from restarting the machine until a valid down time code has been entered. Multiple codes may be used to indicate different reasons during any one down time event and the system logs all events into a daily batch database. Every Monday morning, a report on the previous weeks operations is generated by the system and sent to the senior management. Currently this is paper based but it is soon to be automated by electronically transferring the data directly into the company's EIS.

## Equipment Used

- Intel based Pentium PC using Microsoft Windows NT 4
- 11 x ADAM 4012 1 Ch A/I, 1 Ch Pulse/D/I, 2 Ch D/O
- 11 x TM170 Remote Operator Keypads



If you would like to find out more about this application, please contact the sales office who will put you in touch with the original Systems Integrator.