

CNC Retrofit Solutions

Finally – An Affordable, Reliable Solution for Aging CT CNC Controls

You don't have to look far to find well-cared-for vertical machining centers being put out to pasture because their old Control Techniques (CT) CNC control can't keep up with the demands of today's part processing. Until now, shop owners have had few other choices than to scrap the machines due to the high cost of control retrofit packages.

Hill-Rom, a world renowned leader in providing integrated healthcare process and environment solutions, was one of the many companies facing this challenge. Unable to achieve the necessary productivity for cost efficient machining due to the constraints of the out-dated CT control, Hill-Rom had begun the search for a new machine to replace its Cincinnati Arrow 750 vertical machining center.

While the search was underway, Hill-Rom continued machining molds on the Cincinnati in its prototype shop. Seeking technical support to address the continual processing challenges, Mike Gudgeon, Hill-Rom development technician, contacted Cincinnati Lamb.

Much to his surprise and pleasure, Mike learned that Cincinnati Lamb was working on a new control retrofit solution for the CT control utilizing the MachineMate® CNC. Mike and Cincinnati Lamb technical support specialist, Robert Varney, agreed to work in collaboration to complete the necessary development work. The assistance provided by MachineMate was critical in developing and completing the retrofit solution package on time and on budget.

The Result

The Cincinnati Lamb retrofit has given new life to the ten-year-old machine.

- Machine downtime has been eliminated and machine performance has improved dramatically
- Significant reduction in block processing time has allowed Hill-Rom to run their programs at faster speeds and feeds:
 - Program cycle time has been reduced 60%; 7 hours, 14 minutes to 2 hours, 58 minutes
 - Part cost has been reduced by 75%; \$2,000 to \$500

Control Feature Comparison

Control Techniques

- 4 millisecond servo update rate
- Serial communication RS232
- 99K free memory
- 9 inch color CRT

MachineMate

- 2 millisecond servo update rate
- Ethernet / USB
- 20GB or better free memory
- 15 inch touch screen color LCD Display

MachineMate Control Features and Benefits

Features

- All inclusive replacement control package
- PC based control (Windows® format)
- Improved process speed
- Increased memory
- Quick install – no re-drilling / repositioning
- Parts and service support

Benefits

- Affordable solution to extending the life of your machine
- Reduced training time, easy-to-use
- Improved productivity
- Improved operating efficiency and reduced costs
- Minimized changeover time – 2 days including training
- Reduced life cycle costs and extended machine life

Price - \$14,600 (plus installation, est. \$3,800)

Availability

This retrofit package is available for Cincinnati Arrow 500 & 750s with Control Techniques (CT) CNC Controls.

Also, ask about our new Cincinnati Lamb retrofit package for ACRAMATIC 850SX CNC Controls!

For more information on our CNC Retrofit Solutions please call 1-800-934-0735, outside the U.S. 859-534-4600.



Robert Varney (left) and Mike Gudgeon celebrate the successful launch of the Cincinnati Lamb Retrofit Package.



The MachineMate CNC control requires no drilling or special mounting. Installation and training takes only two days.

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