

INFO**MATE**

Introduction

Welcome to the fifth issue of our newsletter. The newsletter is used to send product and information updates to our customers on a regular basis.

EMO

In September, **MACHINE**MATE, INC. exhibited at EMO 2001 in Hanover, Germany. According to fair information, EMO “is the leading trade fair of the metalworking industry world-wide. Here, 90% of the international supply for the production technology and automation is offered.”

At EMO, **MACHINE**MATE, INC. along with Power Automation announced a new product to be released in January 2002: the **eCNC**. This new control model has several enhancements compared to the current model while maintaining software compatibility with the current line of **MACHINE**MATE controls. The MM1 through MM7 models will still be available and supported.

- The **eCNC** runs on Microsoft Windows 2000.
- The operator interface is browser based (with html frames and Java applets).
- The **eCNC** has a built-in modem, enabling access to the control even without an internet provider.
- The design enables easy integration to the Internet (with standard PC motherboard and modem or optional network card, Windows 2000 OS and the browser based interface).
- The **eCNC** has a slim line design, with the industrial PC package mounted remotely from the operator display.
- Operator keyboard is provided (with all the typical alpha-numeric keys) on the faceplate.
- Two configurations are available:
 - Horizontal - the keyboard is to the right of the display (with the same 19” width as the current **MACHINE**MATE models)
 - Vertical - the keyboard is below the display (a narrower form factor that is physically compatible with a number of other CNCs on the market).



Much more information will be provided in a future **InfoMate** issue when the **eCNC** product is released. The **eCNC** is undergoing field-testing prior to its release.

Wisconsin Manufacturing & Machine Tool Expo 2001



In October, **MACHINEMATE**, INC. exhibited at the Wisconsin Manufacturing & Machine Tool Expo 2001 in Milwaukee, Wisconsin. Our small 5-axis machine, cutting wax blocks, was on display. At this show, control retrofit kits were announced for Warner & Swasey lathes and for Kearney & Trecker machining centers. The front panel and electronics sub-panel of the Kearney & Trecker kit were both on display. See below for more information about the kits.

Warner & Swasey Control Retrofit Package

Willenborg Associates, Inc. a VAC of **MACHINEMATE**, INC. has announced a retrofit kit for the control for Warner & Swasey lathes, specifically the 1SC, 2SC and 3SC models. The kit consists of a new replacement control cabinet. The old cabinet is removed, the new cabinet is moved into its place, and the old wires are connected to clearly marked terminal strips in the new cabinet. The new cabinet has the **MACHINEMATE** control already loaded with the software for the Warner & Swasey machine.

Mike Willenborg, the owner of Willenborg Associates, Inc. states the entire control retrofit procedure should take just 3 days.



If you would like more information regarding this retrofit kit, please contact us at **MACHINEMATE**, INC. Our phone and fax numbers as well as our e-mail address are at the end of this newsletter.

Kearney & Trecker Control Retrofit Package



Mark Rice, a VAC of MACHINEMATE, INC. has announced a retrofit kit using the MACHINEMATE MM1 control for Kearney & Trecker MM180 machining centers. An old Kearney & Trecker MM180 with the Kearney & Trecker 'C' Control is shown here. The kit consists of the replacement control front panel (to replace the Kearney & Trecker operator display) and a new sub-panel for the right half of the control cabinet. The Kearney & Trecker control cabinet has two bays, with the Kearney & Trecker electronics in the right half and with the axis and spindle drives in the left half.

During the control retrofit, the old operator display is removed from the cabinet door and replaced by the new panel plate that holds both the MACHINEMATE control and the operator's control panel including a standard MACHINEMATE Machine Tool Builders Panel and several other pushbuttons. The CNC electronics are removed from inside the cabinet, the new sub-panel (with the MACHINEMATE IO modules, encoder converters, the appropriate power supplies and a number of other components) is mounted in the control, the bulkhead connectors from the sub-panel are connected to the bulkhead (to the drives half of the cabinet), and a small number of wires are connected at a terminal strip. The kit has the MACHINEMATE control already loaded with the software for the Kearney & Trecker MM180 machine. Development of the kit was done so that a local integrator or retrofitter can perform the installation in just a few days.



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Although the initial package is for the MM180 machines, similar packages will become available for other Kearney & Trecker machining centers. Many of the Kearney & Trecker machines of the 1970's and 1980's used very similar control cabinets, so that an electrical sub-panel with the few minor changes for the IO configurations in different machines can be prepared rather quickly.

The MM200, MM600, MM800 had very similar controls; the MM700 Data Mill is also a possibility for this package. The difference between a retrofit with a Kearney & Trecker B or C control with that of the Kearney & Trecker D (a.k.a. Gemini) control is basically just a different sized control panel, since the B and C controls had a different operator interface display than the D control. Those other machine control retrofit packages will be announced when ready.

Other Retrofit Kits

MACHINEMATE, INC. is interested in working with retrofitters, rebuilders and system integrators to develop other control retrofit kits with the **MACHINE**MATE. Some kits being planned now include punch presses, screw machines, grinders and others.

If you have or would like more information regarding the development of a control retrofit kit, please contact us at **MACHINE**MATE INC. Our phone and fax numbers as well as our e-mail address are at the end of this newsletter.

New Sales Representative

MACHINEMATE, INC. is pleased to announce that Dave Hanschke is now a **MACHINE**MATE Sales Representative.

Dave spent over 20 years in numerous positions in the service department of Kearney & Trecker. In 1987 Dave was promoted to the position of Sales Engineer at Kearney & Trecker's Remanufacture and Retrofit Division. This was a separate plant dedicated to the in-house remanufacture of Kearney & Trecker products, plus the design and sale of machine enhancements to be installed in customers plants. These enhancements included complete control retrofits, control and machine upgrades, plus axes, spindle drive and motor retrofits.

In 1991 Giddings & Lewis purchased Kearney & Trecker where Dave continued as a Sales Engineer involved in the remanufacture and retrofit of machine tools. In the late 1990's, Dave was involved in bringing the **MACHINE**MATE control to market for Giddings & Lewis and started the development of a retrofit package for Kearney & Trecker products.

Dave comes to **MACHINE**MATE to continue his support to the many valued customers he has worked with over the years, plus support the new customers that need to upgrade their present equipment.

Conclusion

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Thank you,
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