



The **MACHINEMATE L2** offers several enhancements to the NT-based **MACHINEMATE** models while maintaining software compatibility with the current line of controls. The MM1 through MM7 models are still available and supported. The **L2** is in limited release (allowing beta testing) until the end of 2002. **L2** enhancements include the following:

- Complete Industrial PC Based CNC Package
- Runs on Microsoft Windows 2000 with the **MACHINEMATE** Real Time Kernel
- Browser Based Operator Interface
 - Html frames and Java applets allow for customization. Designers with web screen/page experience can develop CNC MMI screens.
 - Web browser software (like Internet Explorer) enables remote access to the control without an Internet provider. For remote access, just use an optional modem (either via an appropriate PCI card or a USB device).
 - Allows access capabilities for monitoring, reporting, downloading, uploading, or troubleshooting the machine tool.
 - PC architecture enables easy integration to the Internet by adding a standard modem device.
- Slim Line Design
 - Slim line vertical operators panel consists of two subpanels (display and keyboard) that can be mounted up to 33 feet away from the included Industrial Computer CNC.
- Industrial PC
 - The stainless steel CE Industrial Computer CNC enclosure assures long lasting, trouble free operation.
 - Can be remotely mounted; the **L2** IPC is shown to the right (with the cables to the separate display and keyboard).
 - Measures 17.3 in. x 6.3 in. x 11.0 in.
 - Includes several spare PCI slots for expansion.
 - Basic unit includes 24V IO (48inputs / 32outputs) on the top of IPC.
 - Basic unit includes interface to 4 drives (analog or SERCOS).
 - Additional IO (up to 576in / 384out) and/or drive interfaces (up to 12 analog or 8 SERCOS) are available via external IO modules.
- Operator Keyboard
 - Provided on the front panel faceplate with all the typical alphanumeric keys.
- USB Port
 - Provides access to standard PC USB devices supported by Windows 2000, such as a modem, another hard disk, floppy disk drive, CD drive – R or RW, etc.
- Operator Panel Configurations
 - Vertical - The slim line is shown above and consists of two subpanels. Each subpanel measures 11.4" x 8.7". The upper panel has the 10.1" TFT color display. The lower panel has the membrane IP65 keyboard and it shows four of eight optional pushbuttons and two optional feedrate switches. The thin operator panels are less than 2 inches deep. The narrower form factor is physically compatible with a number of other CNCs on the market. An optional low-cost 9" monochrome CRT is also available.
 - Horizontal - Shown at the right with a 12.1" TFT color display and IP65 membrane keyboard, it has the same 19" width and 12.25" height as the current **MACHINEMATE** models. This panel is approximately 2 inches deep. Up to eight optional pushbuttons and 2 feedrate switches can be mounted below the display. An optional touch screen feature is also available.



Vertical



Horizontal

Open PC Based MM L2 - Using International Standards

