

# EMC-NT - Ethernet Machine Control

EMC-NT is NVERZION's machine control software application that controls individual devices such as video tape recorders, video file servers, character generators, routers. This application listens for machine control requests made by other applications over an Ethernet connection. These requests are then executed using a dedicated serial or Ethernet connection from EMC-NT to the appropriate device.

By using the Ethernet Machine Control protocol, the NVERZION automation system becomes backward compatible with legacy machine control systems. For example, EMC-NT can be configured to issue commands requested by NVERZION applications, while also providing a 'loop-through' connection for requests made by the facility's existing machine control system. Another key advantage to using this method of Ethernet machine control is that each device in a broadcast environment can be utilized by multiple stations.

The EMC-NT application can also be configured to perform delegation. Individual stations or applications can be given priority over the control of a particular device, allowing uninterrupted use of it. If another station or application that is not delegated to the device makes a request while it is in use, EMC-NT will deny access until the device becomes available. Also, if a particular station or application has delegation over a particular device, it can grab control of it at any time, whether it is being used by someone else or not.



## EMC-NT Software Interface

*EMC-NT, NVERZION's machine control software, controls individual devices such as; video tape machine, video file servers, character generators, and routers*

Individual devices can be assigned for control in a variety of ways; by all systems, by NVERZION automation software only, by legacy machine control only, or exclusively by manual control.

Depending on the system requirements, a single EMC-NT application distributes the control of four, eight, and up to sixteen individual devices. Unlimited EMC applications can be configured for controlling any devices.

## KEY FEATURES

- Control multiple machines along a distributive network
- Allow multiple applications to utilize any machine in a shared network
- Backward compatible with existing legacy machine control systems
- Perform delegation of control for each device
- Each EMC-NT instance controls four, eight, and up to sixteen devices
- Optional EMC-NT loop-through is available for master control/machine control interfaces

## BENEFITS

- The EMC-NT distributive network provides a fail-safe environment. In the untimely event of machine failure, the entire system never suffers "down-time"
- One or all of the automation applications can utilize the same machine, allowing operators to manage each device more efficiently
- EMC-NT supports legacy control systems in addition to NVERZION automation systems
- Each device can be configured for delegated control by the entire automation system, a single application or station, a legacy device, or an operator's manual selection