

### THE USB TO SERIAL CONNECT:

The USB to Serial Connect was introduced to allow customers to purchase their base system with Plug & Play USB ease of use. This system is the perfect upgrade for switchbox solutions.

#### Key features:

- Requires only USB port on a PC
- DB9 style connector
- Surge protection in every port
- Eliminates switchboxes and communicates simultaneously for drip-feeding
- Compatible with Windows 7 or newer, and Windows Server 2008R2 or newer
- Five-year warranty



### MACHINE MONITORING ADAPTER:

MDC Adapters provide automatic input into your Predator Software from CNC machines or factory equipment when firmware or macro-based solutions are not available.

The input to the MDC Adapter comes from digital or analog signals from the CNC. The data is sent to Predator MDC via RS232 cable or Ethernet. Points on the machines you can monitor: spindle, axis travel, alarm status, feed hold, emergency stop, feed rate override, spindle load, and more. Optional features are remote I/O, touch screen interface, and additional analog/digital points.

#### Key features:

- Eight AC or DC digital inputs
- Six digital or relay outputs
- AC (110v) or DC (12/24v) powered
- RS232 or Ethernet comm port
- Removable terminal blocks connectors
- Works with Predator MDC and DNC
- Notifications via text or email
- One-year warranty



### WIRELESS CONNECT:

The Wireless Connect makes networking your CNC machines easier. Using this system means the cost of stringing cable is removed.

Machines with overhead cranes, traveling gantries or others that are too far to cable can be quickly, efficiently, and reliably networked. Should you want to move machines, there is no need to change cable or re-configure the software. Best of all, just about any CNC machine can be connected to the wireless DNC system.

SFA uses wireless CNC adapters connected to each CNC with built-in buffering and the ability to still use flow control.

This unique solution allows specialized CNC protocols to still be used. Advanced features such as drip-feeding is also available.

#### Key features:

- No RS232 serial cables to string
- Improved baud rates and reliability
- Drip-feed to CNCs
- External magnet antenna
- Works with any RS232 or Ethernet enabled CNC
- Supports 802.11 a/b/g/n
- DB9 serial port with RS232 cable included
- 64/128-bit, TKIP, AES-CCMP encryption
- Secure data access with WEP, WPA, WPA-PSK, WPA2, WPA2-PSK
- Off-line port buffering and serial data log
- AC (110v) or DC (12/48v) powered
- Lifetime warranty



### ETHERNET CONNECT:

Our most popular and advanced LAN-based DNC systems available. Today, corporate networks expand beyond the front office and engineering department. Network backbones are found on 80 percent of manufacturing shop floors. This system leverages the existing investment in LAN infrastructure and supports up to 4,096 CNCs per DNC Server.

#### Key features:

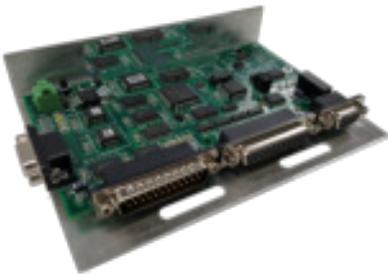
- Improved baud rates and throughput
- Run CAT5 cable to CNC using a one-port device
- Supports over 4k CNCs per PC
- MAC Address or IP configuration
- 1, 2, 4, 8, 16 port hub configurations
- DB9 or RJ45 style connector
- Surge suppression available
- Can power AC or DC via a single port device
- Compatibility: Windows 7/newer and Windows Server 2008R2/newer
- Five-year warranty

## TAPE READER CONNECT:

Have older machines that run great but have an old CNC control running paper tape? The Behind-the-Tape Reader card, also known as the BTR, eliminates the necessity of paper tape usage on CNC machines. Adds an RS232 port to your legacy NC and CNC machines, allowing sending, receiving, and drip-feeding to the control. BTRs include the required tape reader cables and connectors, installation manual, power supply, and basic communication software for setup. Punch cables are optional.

### Key features:

- Send and receive ISO / EIA / binary files to and from any PC
- Memory capacity: 128K, 512K or 2MB
- Drip-feed mode will support unlimited file sizes
- Easy to install on any control
- No special software required
- One-year warranty



## FLOPPY CONNECT:

Floppy disks are one of the most outdated pieces of media on the shop floor. Invest in the Floppy Connect.

### Key features:

- Eliminate spending time seeking out floppy disks
- Replace your floppy drive
- Off-the-shelf Haas model
- Okuma floppy drive core replacement available
- Vast machine compatibility
- One-year warranty

## CNC COMPATIBILITY:

Allen Bradley \* Anilam \* Bridgeport \* Bosch \* Bostomatic \* Centurion \* Centroid \* Cincinnati Milacron \* Deckel \* Dynapath \* Fadal \* Fagor \* FANUC \* Fidia \* General Electric \* Giddings & Lewis \* Haas \* Heidenhain \* Hurco \* Kerney & Trecker \* Maho \* Mazak \* Mitsubishi \* Mori Seiki \* Moog \* NUM \* Okuma \* Prototrak \* Roland \* Sharnoa \* Siemens \* Hitachi Seiki \* Toshiba \* Vickers \* Yasnac \* and more!

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## USB CONNECT:

Acts as an interface between commercially available USB flash memory and any CNC control with an available RS232 port. Machine tool files can be sent from the USB stick to the CNC memory, from the CNC memory to the USB stick, or drip-fed (DNC) from the USB key.



Flexible DNC firmware is built into the unit, allowing connection to just about any machine tool CNC control.

CNC Memory upgrades are either prohibitively expensive or are not available at all. A superior alternative to memory upgrades, the USB Connect allows shops to store large libraries of part programs on a single USB and send to their CNC machine as needed.

### Key features:

- Pendant model - din rail mounted & dedicated to one machine
- Portable model - rugged aluminum enclosure with a handle
- USB directory listing
- DNC drip-feed operation with single button repeat operation
- Tape input for file loading into the CNC memory
- Mid-tape restarts with search function
- 4-line LCD display
- Hardware and software flow control
- Mazak (CMT) model Available



## SERIAL CONNECT:

Grizzly Cable is not just a high quality, durable replacement for commonly used cable. It is an entire cable system designed specifically for shop floor applications. With modular connectors that attach and stay with the CNC controllers and PCs, moving machines and computers no longer requires relocating or re-terminating the cable.



These cables are available in multiple standard lengths with color-coded boots and terminated with industry standard RJ45 connectors.

### Key features:

- Specifically designed for harsh manufacturing environments
- Low capacitance
- Runs up to 300 feet with no data loss
- Three levels of shielding
- Eight conductors in the RS232 cable
- Terminated for Plug-and-play communication
- Vast CNC and equipment control compatibility (see below)
- Five-year warranty

# CONNECT

your shop floor  
& stay productive

