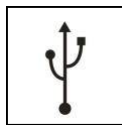
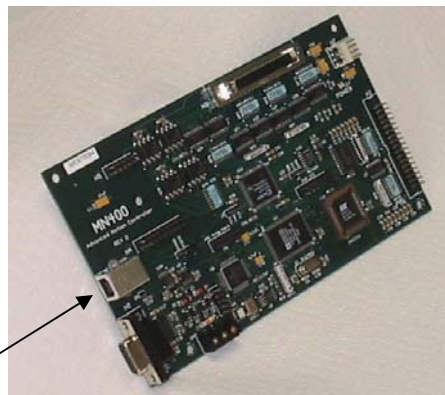


MN400 MOTION CONTROLLER ADDS USB

The latest model MN400 (Rev D) now offers several enhanced features including expanded processor memory and a USB port. The controller supports communications on RS232/RS485 and now with USB control, high speed communications are literally "plug & play". The communication processor is 4 times faster than prior revisions and has twice the memory. The extra memory and speed made it possible to add USB support drivers and to make other performance improvements in the system.

The benefit is much improved throughput of commands. This increases the digital readout update rate in application software such as MillMaster Pro and TurnMaster Pro and allows for substantially less delay in communication.

This new version also capitalizes on improved processor technology which reduces part count as well as adding additional I/O capabilities. The new MN400 Rev D is offered at the same price as earlier models at \$695.



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NEW ENCLOSURE FOR MN400 CONTROLLER

A new cabinet for the MN400 motion controller is now available. The MN400E is designed with the same footprint as the MightyDrive power driver subsystem allowing stacking of the two enclosures for reduced work surface area requirements.

The sloped front aluminum enclosure houses a power supply and wiring interfaces including a control panel which has jog switches, feed rate override control, and indicator lights. For integration engineers, the system allows easy evaluation of the MN400 motion controller's capabilities.



The MN400E can be used to upgrade existing OptiStep systems to support Windows XP/2000 through USB and serial interfaces. This eliminates the requirement for an ISA slot or Windows 98 on these older systems. Applicable CNC machines include the DT Lathe, DT Mill, Benchtop Lathe, and Benchtop Mill systems.

The MN400E retails for \$1,295, but for a limited time is being offered at the introductory price of \$995.

TRAINING WORKSHOPS:

MicroKinetics offers a 2-day workshop designed to introduce you to CNC machining using your choice of either the *CNC Express Mill* or the *CNC Lathe 1236*. These workshops provide participants with "hands-on" experience through instruction, demonstrations, and discussion. Call today for details and to reserve a seat. Space is limited!

800.674.8419

From the
President:



Dear Valued Customer:

2006 is a very promising year. I'm very excited to see the upswing in the economy. Orders are up across many manufacturing sectors. And even though car manufacturing and the airline industries are having a difficult time, I believe the overall economy is better than it was 2 years ago. Small airplane manufacturers are setting new sales records and more new businesses were created in 2005 than in prior years.

In 22 years in the motion control and CNC business, MicroKinetics has developed many business relationships with industry giants and many more small businesses across the nation and in other parts of the world. Today, we continue to invest in new technology and in improving our software and product offerings. We're doing our part in being competitive in a global economy. It is really exciting to me when I see customers from New Zealand, Australia, Canada, Peru and other far away places utilize the unique products that I helped create in a new and productive way.

Even though we're in the age of telephone touch tone menus and bureaucratic corporate structures, I personally believe in good old-fashioned customer etiquette and I strive to make every customer experience a positive one. My business resolution for 2006 is to impress my customers with quality products and uncommon service.

Sincerely,

Maurice Khano
President

**IMPROVED WEB-
SITE
EXPERIENCE:**

MicroKinetics is making some significant enhancements to the website experience. It's intended to offer improved availability of technical documents to customers. Stay tuned for further announcements.



**ONLINE
ORDERING:**

To place an order, please visit us at:
www.microkinetics.com

With an improved online ordering system, you may make credit card purchases through our secure server. For Tech Support or any other questions, you are welcome to call our toll free line:

1-800-674-8419

VFD ACCEPTS 208-240 SINGLE PHASE

In the past few months, we've noticed an increased demand for systems with a VFD (Variable Frequency Drive) due to the versatility and easy interface. Customers are pleased to find out that they don't need 3 phase power to run a 3 phase motor.

The VFD accepts any voltage from 208 to 240 VAC and generates it's own 3 phase output. The benefits of electronic spindle speed control are many and eliminating the need for a phase converter is the icing on the cake!

A MicroKinetics VFD system is available for 1 horsepower, 2 horsepower and 3 horsepower motors. Whether you're purchasing a CNC Express Milling machine, converting your own Rong Fu Mill or installing a CNC Kit on your Bridgeport or similar mill, consider the benefits of a variable frequency drive:

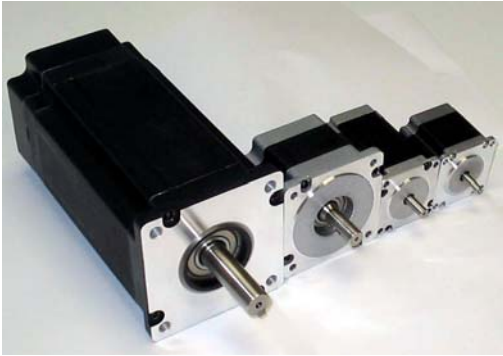


- ✓ Avoid time consuming belt changes
- ✓ Dial in the exact RPM needed
- ✓ Command the speed with an S code
- ✓ Overload protection

When using MillMaster or TurnMaster Pro, these model drives are the only ones that support the serial link functionality to command the speed from within your part program. Our VFD's achieve full horsepower rating even when wired to a single phase supply. This is not the case with most other vendors where a 40% de-rating factor would be required.



NEW HIGH TORQUE MOTORS



A new series of high torque stepper motors is now available direct from MicroKinetics. These motors are very efficient and produce more shaft torque than other designs. This is mostly due to their caseless construction which allows the full volume of the NEMA frame size to be utilized.

Other features include machined aluminum plates, precision bearings, and durable black epoxy paint on the magnetic core. The rotor is precision machined

stainless steel and is available as single or double shaft. #404 woodruff Keyways are standard on most models.

Listed below are stock models with other models to be added to the product line based on customer demand. Please contact us for special requirements.

MODEL NO.	# TORQUE	# AMPS	# LEADS	SHAFT DIAMETER
23HT175	175 oz/in	1.41 A	8	.25
23HT350	350 oz/in	6.6 A	4	.375
34HT390	390 oz/in	6.6 A	4	.5
42HT4000	4000 oz/in	8 A	4	.75



23HT175



23HT350



34HT390



42HT4000



NEW UPDATES FOR TURNMASTER PRO & MILLMASTER PRO JUST RELEASED!

New versions of our two master control software programs have been released. The new **MillMaster Pro** and **TurnMaster Pro** Version 4.2.150 have been improved in the following ways:

- Added spindle on/off and speed control to the MN400 jog window
- Improved subroutine call handling and engraving
- Enhanced panel button tracking routines and added safety shield support
- Feed Hold mode has been implemented for MN400's. The safety shield can now silently pause and resume motion, or it can alert the user and require confirmation before the motion resumes

Updates are available to our customers to download from our website. Download them today and see for yourself how you can maximize your CNC productivity-- even more than before!

\$1,000 REBATE ON *GTS!*

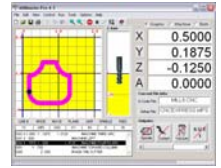


The amazing new CNC Express *GTS* is very fast (over 100 Inches per minute), a smooth performer with microstepping, motor drive electronic spindle speed control, and the best quick change tooling available! Nothing comes close to the value and quality that make up this system.

When you consider the low cost and the five year warranty on the motion control electronics, what else could be better? How about a \$1,000 rebate? Now deciding to buy the CNC Express is a hands-down no brainer! Call to schedule your order today: **800.674.8419**



Variable Speed Control



MillMaster Pro For Windows



Quick Change Tooling

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