

# MICROKINETICS

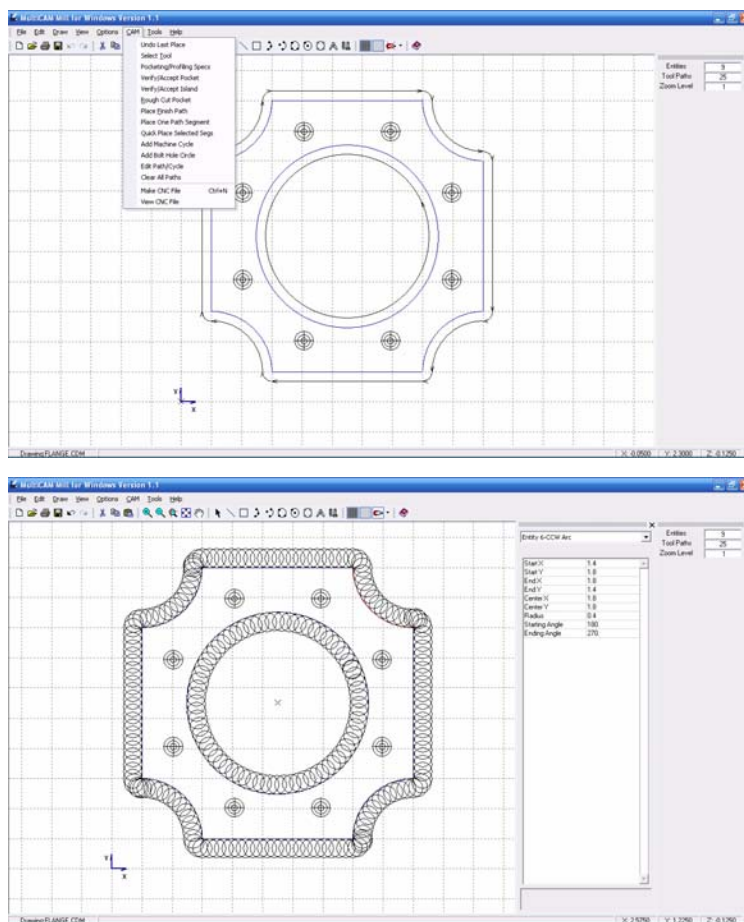
C o r p o r a t i o n

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Summer 2007

## \*\*NEW\*\* MULTICAM™ MILL FOR WINDOWS®

It's exciting that MicroKinetics will offer a Windows version of its popular Multi-CAM mill. The new reincarnation has many more CAD functions than its predecessor, and the enhanced CAM features turn tool-path placement and G-code generation into child's play. The truly unique feature is its total integration with MillMaster pro for Windows. Once you select 'Make CNC File', the next screen you'll see is the G-code file and a button allowing you to transfer the code to MillMaster Pro thereby selecting 'Machine' and then 'Go' starts cutting your part! No concern over what post processor to use or which company to call when something is not quite right. Advanced features such as automatic gouge detection and cleanup, lead in/lead out, and spiral pocketing round out the capabilities to make this one of the easiest CAD/CAM programs ever! Download a trial version at [www.microkinetics.com](http://www.microkinetics.com) and tell us what you think.



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## TURNMASTER™ PRO NOW HAS CSS

If your first thought is Cascading Style Sheets, I'm guessing you're more of a web site designer than a lathe machinist. How about Constant Surface Speed? As you know, in machining operations the speed of the material is measured in SFM (surface feet per minute). On a milling machine this is simply the circumference of the cutting tool multiplied by the rotational speed. On a lathe, the tool stays stationary while the part spins, so the SFM is directly proportional to how far away from the center line the cutting tip is.

If you're cutting near the surface of a 2" diameter part the surface speed would be four times that of a .5" diameter part at the same spindle RPM. Tool wear and surface finish are affected tremendously. To solve this, Constant Surface Speed (or CSS\*)

mode can be selected, and it will scale the RPM of the main spindle such that the resultant linear speed stays constant.

We've just added this feature to TurnMaster Pro, and it's a free download. Enjoy!

G96 Sxxx will set a constant surface speed of xxx ft/min.

G97 Sxxx will cancel CSS and set a constant RPM of xxx.

G97 without an S-Param will cancel CSS and retain the current RPM setting.

\*CSS requires a CNC lathe 1236 or 1340 with VFD (variable frequency drive).

### CNC Lathe Training Class Now Forming

If you recently purchased or are thinking about purchasing a MicroKinetics CNC Lathe, this training class is designed exclusively for your machine. It's on Thursday and Friday, September 20<sup>th</sup> and 21<sup>st</sup> 2007. Come join us in our hands on fun! Call today for details and to reserve a seat. Space is limited!

800.674.8419

From the  
President:



### **CUSTOMER TESTIMONIALS**

*Thank you. You  
people are really  
on the ball!  
Dan Butcher -OH*

*I've been buying  
your products  
since 1994 and I  
run them every-  
day!  
Bill Nichols - WV*

*What I like best  
about the CNC  
Express is that [I]  
can make any-  
thing with it!  
Jim Stamos - NY*



### **Online Ordering:**

To place an  
order, please visit  
us at:  
[www.microkinetics.com](http://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 ques-  
tions, you are wel-  
come to call our  
toll free line:

**1-800-674-8419**

Dear Colleagues:

It's been a whole year since our last newsletter. My engineering team and I have been busy developing new products, and I want to let you in on the latest developments. We are introducing our own CAD/CAM program, and it is truly amazing. We are also offering our new High Capacity Desktop CNC Lathe, which gives you the safety of a totally enclosed system but in a larger format. On the marketing side, we're lowering some prices—be sure to check out these new offers on the back page. Sit back and enjoy reading this newsletter. You may find the exact technical information or products you've been looking for.

Thank you for taking the time to learn about our latest technological advances. Feel free to call on us if we may be of service to you. With MicroKinetics, you truly have a technology partner you can count on.

*Best Regards,*

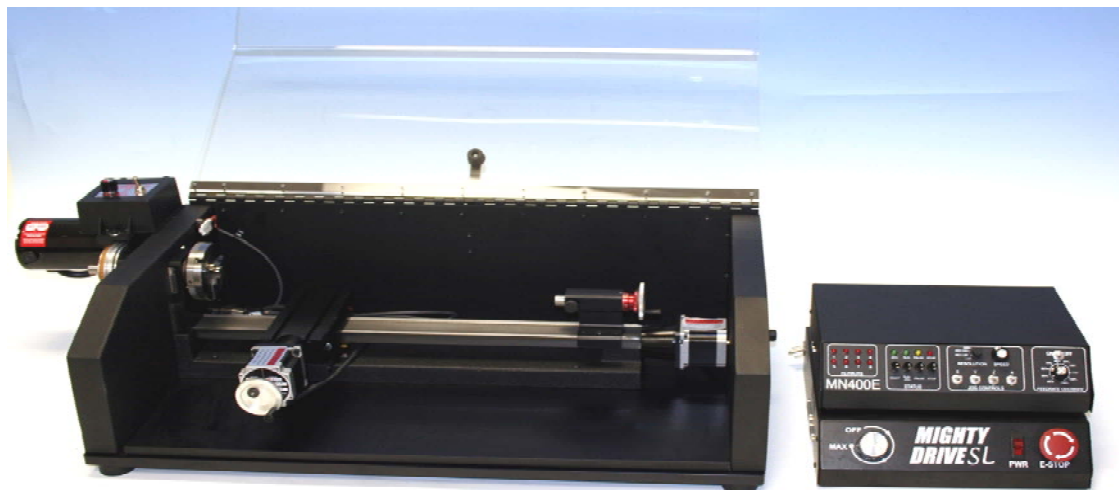
*President*

## **HIGH CAPACITY DESKTOP LATHE NOW AVAILABLE**

Do You Need a Larger Desktop Lathe? Introducing the new High Capacity Desktop CNC Lathe. Now you can have larger capacity and still maintain safety of the enclosed desktop system. Safety shield position detection prompts the user to close the shield when machining. If the safety shield is opened while the machine is running everything comes to a stop and an appropriate message is displayed. Upon shield closure and the operator's acknowledgement of the screen message, the spindle re-starts and the feed motors resume precisely where they left off.

MicroKinetics enclosed desktop systems are popular with educational institutions where inexperienced operators are the norm and maximum student safety is a priority.

The new HC DT Lathe benefits from USB technology. This allows it to be used with the most current Windows computers and is as simple as plugging in a standard USB cable!



## MN400 ENGINEERING EVALUATION PACKAGE

The new MN400 motion controller is now available as part of a convenient engineering evaluation package. It includes the MN400E enclosure/control panel, a developer CD with support routines, cables, manual, two 175 oz-in high torque motors and a MightyDrive 2-axis multidriver. Communication with the host PC is available with USB, RS232 serial, or networked RS485 connections. The system is intended as a convenient demonstrator of the capabilities found in the MN400 controller and can easily shave many engineering hours off your project.

Once the engineer is satisfied with the performance and has determined that the core system is suitable for the application, the board level components can be ordered separately and cost effectively integrated in the OEM machine.

MicroKinetics is now offering its products direct to OEM manufacturers and has reduced the prices on certain key products. The cost of the 4-axis USB motion controller has been lowered from \$695 to \$495 effective immediately. Additional discounts available with quantity purchases, and scheduled releases are accepted for up to one year. Planning a production run and placing a blanket order for a quantity of 100 or more can lower the installed price to \$371.25 each.

The engineering evaluation package is available at a special one per customer price of \$1,450 and can be upgraded up to as many as 4 drivers and 4 motors.



## IT'S EASY TO DO BUSINESS WITH MICROKINETICS

**Free updates** – Get free software updates. We typically don't charge for minor software updates.

**Online manuals** – Misplaced your manual? No problem. Simply access the PDF version right online at [www.microkinetics.com/pdfmanuals](http://www.microkinetics.com/pdfmanuals).

**Upfront pricing** – No hidden fees, no different prices for different folks. All fair and all shown online.

**Selling direct** means lower prices! Skip the middleman! Do you really want some fast-talking sales person hounding you every week? Work with us. We don't cold call and we don't do telemarketing. But if you need us please feel free to call and use our toll free number. 1-800-674-8419.

**Excellent warranty** and repair services – If it's broke, we'll fix it. If it's broke because you broke it, it'll cost you parts and labor. If you ran over it with a truck, we'll sell you a new one.

**Skilled tech support** – We actually answer the phone and give you direct and useful answers to your technical questions! Unfortunately, this doesn't happen at most companies!

**30 day money back guarantee** – If it's not what you thought you bought, just let us know and we'll be happy to exchange or refund your purchase.

**NEW-NO MIDDLEMAN MEANS AMAZINGLY LOW PRICES!**

You'll really like all the lower prices and new products now available to you. If you've ever been interested in CNC and wanted the best but were looking for a really good deal.... This is it!

<b>Product</b>	<b>Part#</b>	<b>Old Price</b>	<b>New Price</b>
8" CNC Rotary Table	900-0095-008	\$1,295	\$995
CNC Express Mill	999-6500-000	\$7,995	\$5,995
1812 router	999-1812-005	(New product)	\$8,995
MN400	900-4000-004	\$695	\$495
MN400E	999-3600-000	\$1,295	\$995
MillMaster Pro	999-5004-001	\$595	\$295
TurnMaster Pro	999-5002-000	\$595	\$295
MultiCAM Mill	999-5004-013	(New product)	\$495 (Intro offer)

Order these and other products online at [www.microkinetics.com](http://www.microkinetics.com) or call us toll free at **1-800-674-8419** and we'll be happy to help you.