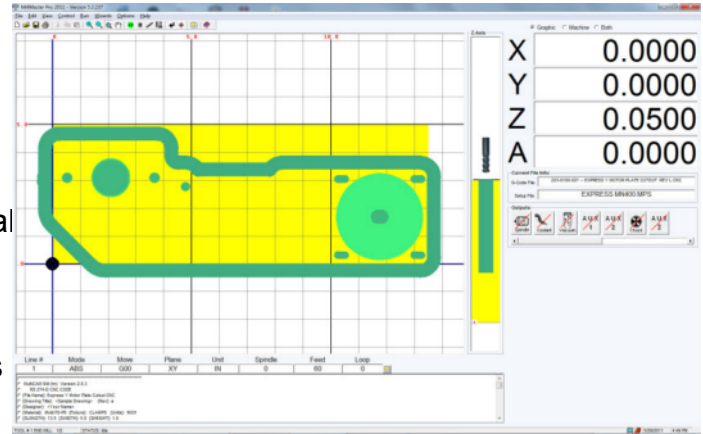


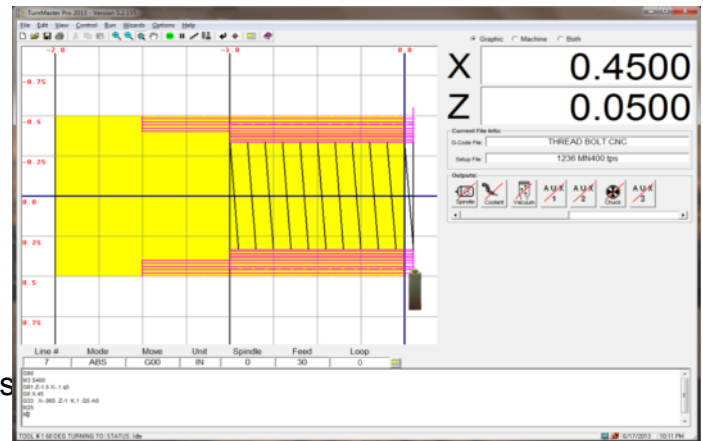
MillMaster Pro and TurnMaster Pro Updated

Fresh new versions of MillMaster Pro and TurnMaster Pro master control software were just published by the MicroKinetics development team. Some very nice capabilities have been added:

MillMaster Pro displays better graphics and has improved ability to run multiple files on the same graphical blank material in order to check for interference. Frequently, a blank is held in the vise and the internal features are cut, then the part is held from those features (i.e. holes) with clamping bolts and the outline profile is machined. Seeing the graphical results of both programs on the same screen is quite helpful.



Also improved is the pocketing wizard. By adding cut feed rate and plunge feed rate entries to this screen, the generated code has these settings in place and is immediately ready for machining.

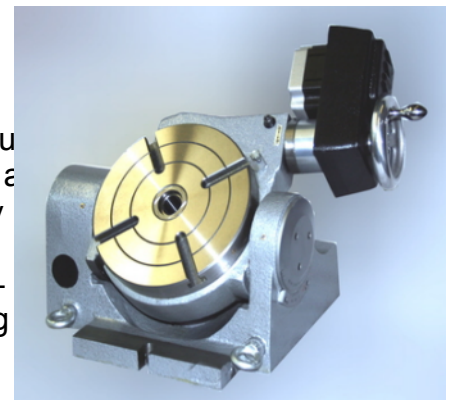


TurnMaster Pro now supports 29 degree threading. This brings in the threading tool into the workpiece at an angle such that almost all the cutting occurs on one side of the tool. This minimizes chatter and improves the quality of threads. Any angle from 25 to 35 degrees can be chosen.

Also, we added to our pre designed selections in the threading wizard a large selection of NPT pipe threads. Now, a few clicks and you can have just about any , Inch or Metric, or NPT pipe thread program, (internal or external versions) written for you. Just remember that the threading wizard writes these as subroutines. So call it from your program with a G25 #threadingsub or replace the first M17 with M25 and M2.

Tilting Rotary Table Debuts

A CNC rotary table is great for many applications and a full 5 axis capability added by a Trunion table is excellent for true 5 axis applications however, if you don't need all that sophistication but wish you could tilt a rotary table on occasion to a specific angular setting the you could get away with a Tilting CNC rotary table. We recently had such a need for a client and were able to bring this product to full functionality in short order. The computer controls the rotary table for positioning and when a new tilt setting is needed, a message prompt appears telling the operator what angular setting to select. This is done by turning the secondary hand wheel to the desired angle using the graduated dial. Inquire for availability.



Dear Colleagues,

It is with great pleasure that I introduce to you the latest innovations here at MicroKinetics. Because you currently own one or more of our products, I thought you'd be interested to learn about some new benefits available to you.

We now have automatic tool turrets, the new MD400 small machine controller, and new DriveRack controller features that could be very valuable to you. Additionally, we have just released new CNC software updates, as well as our upcoming CNC training schedule. Further, under design consideration is a C/Y axis lathe option that could bring a level of machining productivity previously unavailable in this market segment!



When not at work, Maurice enjoys flying his Grumman Cheetah locally and to Florida beach destinations.

I truly enjoy creating new products and adding new features to existing ones that make projects easier, faster and better for my customers. We're also able to customize our standard products or design new ones from scratch where quantities and the needed engineering effort are in check.

Please enjoy this newsletter and feel free to call if we can help you with your projects. Our business hours are 9 AM to 5:30 PM EST Monday through Friday. You may call us toll free at 1800-674-8419 for sales or support.

Sincerely,

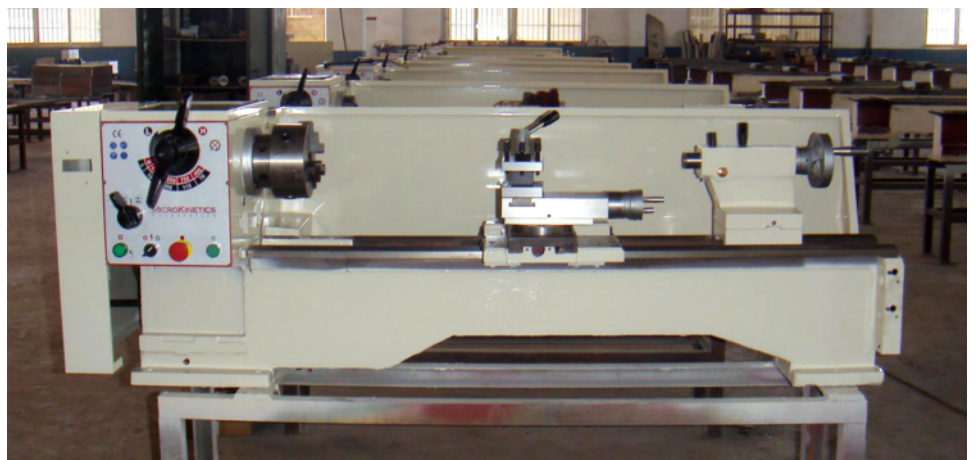
Maurice S. Khano,
President, engineer and aviator

New CNC Lathes in Full Production

The new CNC Lathe 1340 is much improved with interlocking controls, on/off switch and a chip tray drawer for easy chip removal. We have 10 of these lathes in production.

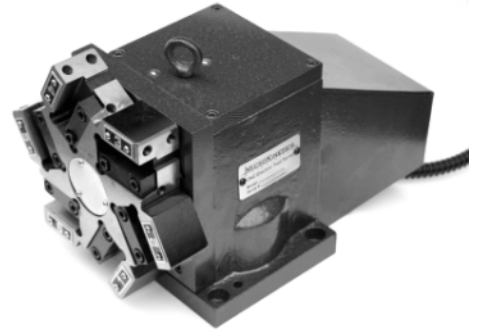
Orders placed now thru July will be delivered in August and September.

All 1236 and 1340 CNC Lathes come configured to accept tool changers. The AT6 or the AT4 can be fitted to the cross slide. You will need at least a 3 axis drive rack to accommodate this option. Air collet closer and gripper system are also available for a "lights out" operation. This model is only available with the VFD option. A direct quote from one of our customers regarding his MicroKinetics Lathe: "We love it!" Kerry Stratton... Thanks Kerry!



Automatic Tool Turrets- Major Benefit to Customers

Since we added the AT4 and AT6 automatic tool turrets to our product line about a year ago, we've seen a boom in CNC lathe sales. This was the missing link for automation. With an air collet closer and a gripper set, a substantial increase in productivity can be achieved. There's nothing like having a machine continuously make valuable parts practically unattended while you handle other tasks. If you haven't seen the videos, you may want to check them out at www.microkinetics.com/lathe1236/ and see them in action.



DriveRack Controller Gets New Features



In our continual effort to improve our products, all DriveRack systems shipped in the last year or so have included a latching, twist open type E-Stop as well as a remote E-Stop connector. The latching E-Stop improves reliability when used to turn off the system as part of turning off the machine or in case of emergency. The previous design which had a momentary push button would occasionally miss a very quick tap. The change is welcome by all, especially by industrial factories, production facilities, and schools where added safety is very desirable.

The remote E-Stop connector allows the operator to have a remotely located push button to turn off and/or effect emergency stop function from a convenient location near the head of the machine. Usually from the standard E-Stop located near the spindle. Other implementations include a remote E-Stop located at the entrance of the shop or in a central control station.

Considering Making a C/Y Axis Lathe

Under consideration is the possibility of adding a C axis option or lathe to the line up. The availability of a C axis allows indexing the part to precise rotational positions under program control. If you have a need to put flats or drill side holes and other features while the part is still in the chuck, a C axis lathe with a Y axis attachment could make a second or third setup unnecessary saving time and increasing accuracy. If you can benefit from this type of lathe let us know what you think. Our customers' needs drive our efforts and your suggestions could be implemented as a part of the new design right from the start.



CNC Training Scheduled

By popular demand, the CNC lathe and CNC milling training classes are now scheduled for August 19th, 20th, and 21st. Classes are taught by Mr. Maurice Khano who has 28 years mechanical, electrical and software development experience. Mr. Khano has designed most products offered by MicroKinetics and other companies so you get all your technical questions answered accurately and promptly.

Bring your sample parts or drawings, an open mind and come learn in a friendly relaxed environment. (Limited availability) A scientific calculator, writing pad, pencil, safety glasses, and training syllabus are provided. And you get to take those and any parts that you make with you. Breakfast/refreshments and a group lunch outing are included.

This training is offered exclusively to owners of MicroKinetics CNC machines and their employees. Call ahead to schedule.



This newsletter is viewable online with links at www.microkinetics.com/newsletter

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