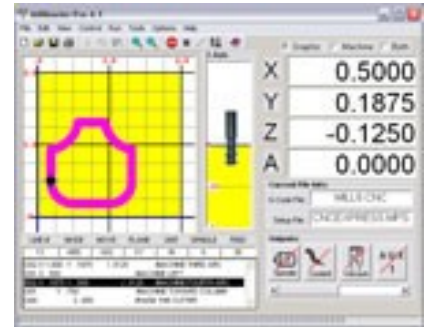


CNC Express™

MicroKinetics
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CNC Milling Systems From MicroKinetics



Features

- ✓ Mill/drill base machine with 2 HP motor
- ✓ 5TPI ballscrews with no more than .003" per foot error
- ✓ High power bipolar stepper motors
- ✓ DriveRack high performance power driver electronics
- ✓ Advanced USB motion controller with feed rate override
- ✓ MillMaster Pro G-code control & graphical software
- ✓ Precision home reference and overtravel limit switches

Included Accessories

Cabinet stand with chip pan, 52 piece clamping set, Precision CNC vise, Drill chuck with key, Drill chuck arbor, and Face mill with 4HSS inserts

**Now with
High Torque
Motors**

Finally, a well engineered and professionally built PC based CNC retrofit mill is now available. The CNC Express is truly one of the finest examples of applying the latest PC technology to reduce cost and increase performance. Utilizing a proven, mid-size base machine, the CNC Express has a good machining envelope, runs on 115 or 230 VAC, has high speed machining performance, and accommodates program control of coolant, spindle on/off functions, feedrate override, and many more functions through the PC based open architecture. Through careful selection and conditioning of base machines, and by applying the latest technology in motion control electronics and software, a new level of quality and performance has been achieved. Since its introduction, MicroKinetics has built and delivered a substantial number of CNC Express milling machines to machine shops, vocational schools, and laboratories with great results. Discovering the quality and value of the CNC Express leads many first time buyers to order additional machines. The quality shows throughout; all the way to crating and packing. And with the generous warranty and superb technical support from MicroKinetics, the CNC Express is helping many professionals achieve a new level of engineering, training, and technical capability.

MicroKinetics Corporation 3380 Town Point Drive NW #330
Tel: (770) 422-7845 Kennesaw, GA 30144 Fax: (770) 422-7854
www.microkinetics.com

MicroKinetics

C o r p o r a t i o n

High Performance Electronics

The latest technology constant current chopping drives used in the DriveRack power electronics result in very high feed and rapid rates, while the advanced USB motion controller insures maximum reliability with the use of opto-isolated inputs and outputs on ALL connections. Other systems may use direct connection or a printer port whose reliability is not acceptable for industrial applications.

Low Cost Accessories

You'll have access to many low cost accessories and tools. The most commonly needed ones are included with the package for convenience and added savings. Compatible tools and accessories are available from many machine tool vendors.

Unsurpassed Quality

MicroKinetics CNC systems are expertly built and performance tested to conform to stringent standards. Detailed assembly and testing procedures and checklists are followed to ensure consistent, repeatable, high quality. All components are individually tested and systems are tested again as a unit before shipment.

Industry Leader

MicroKinetics offers the best reasonably priced CNC systems and quality technical support in the industry. Five year warranty on electronics and one year warranty on mechanics. MicroKinetics has been offering CNC systems to educational institutions, hobbyists, research facilities and small machine shops for 30+ years using the same business philosophy, expert engineering and quality technical support!

Specifications:

X-axis Travel	17.00" (432 mm)
Y-axis Travel	7.00" (178 mm)
Z-axis Travel	5.00" (127 mm)
Resolution	.00025" (.00635 mm)
Column Diameter	4 1/2" (114 mm)
Swing	15 7/8" (403 mm)
Spindle Taper	R-8
Head Swivel	360 degrees
Spindle Speeds	12 speeds (150-3000 RPM) / Belt Selectable
Spindle Motor	2 HP 115/230 VAC Single Phase @ 20 Amp/10 Amp
Controller Power	115/230 VAC Single Phase @ 15Amp/8 Amp
Table Size	8 1/4" x 28 1/2" (210 mm x 724 mm)
Net Weight	700 lbs. / 317 kg.



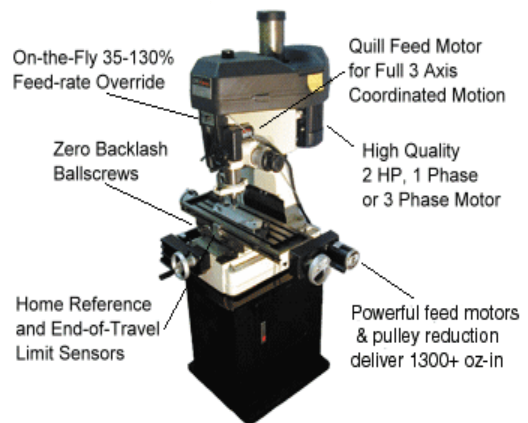
Optional Flood Coolant System



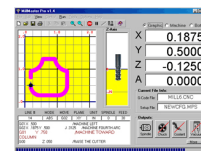
Optional Splash Guard



Parts Samples



DriveRack



MillMaster Pro for Windows Software



Advanced USB Controller with Feed Rate Override

<i>Product</i>	<i>Order #</i>
<i>CNC Express Mill</i>	<i>999-6500-000</i>
<i>Flood Coolant System</i>	<i>999-6500-010</i>
<i>Splash Guard</i>	<i>999-6500-020</i>

CNC Express Mill

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