

CNC LeGrande™

MicroKinetics
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CNC Milling Systems
From MicroKinetics

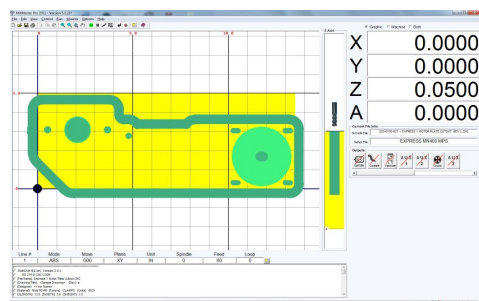
*Now with
High Torque
Motors*

Included Accessories

52 piece clamping set, 6" Precision CNC vise, Drill chuck with key, Drill chuck arbor, and Face mill with 4HSS inserts

Features

- ✓ Knee milling machine with 3 HP spindle motor
- ✓ 5TPI preloaded ballscrews
- ✓ High torque 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



Finally, a well engineered and professionally built PC based CNC retrofit knee mill is now available. The CNC LeGrande Mill System is truly one of the finest examples of applying the latest PC technology to reduce cost and increase performance. Utilizing a proven, full size 9" x 49" or 10" x 54" knee milling machine, the CNC LeGrande Mill Systems have exception rigidity, runs on 208-240 VAC, have 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 LeGrande Mill Systems to machine shops, vocational schools, and laboratories with great results. Discovering the quality and value of the CNC LeGrande Mill Systems leads many first time buyers to order additional machines. The quality shows throughout; all the way to crating and packing. With the generous warranty and superb technical support from MicroKinetics, the LeGrande Mill Systems are helping many professionals achieve a new level of engineering, training, and technical capability.

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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

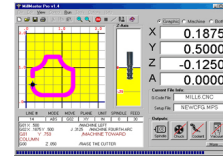
You'll have access to many low cost accessories and tools. The most commonly needed ones are included with the package for convenience and added savings. Compatible tools and accessories are available from many machine tool vendors.

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!



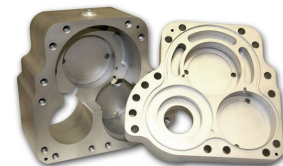
MillMaster Pro
for Windows
Software



DriveRack



Advanced USB
Controller
with Feed Rate
Override



Part Samples



Industrial Tool Cart &
Operator Station



Flood Coolant
Submersible Pump
170 Gph

Specifications	LeGrande 949	LeGrande 1054
X-axis Travel	32.00" (812.8 mm)	36.00" (914.4 mm)
Y-axis Travel	12.00" (304.8 mm)	12.00" (304.8 mm)
Z-axis Travel	4.75" (120.65 mm)	4.75" (120.65 mm)
Resolution	.00025" (.00635 mm)	.00025" (.00635 mm)
Column Type	Dovetail	Dovetail
Head Movement	Tilt 90 Degrees Left Tilt 90 Degrees Right	Tilt 90 Degrees Left Tilt 90 Degrees Right
Head Movement	Tilt 45 Degrees Front Tilt 45 Degrees Back	Tilt 45 Degrees Front Tilt 45 Degrees Back
Spindle Taper	R-8	R-8
Spindle Speeds	50-2800	50-2800
No. of Spindle Speeds	Infinitely Variable	Infinitely Variable
Spindle Motor	3 HP 230 VAC	3 HP 230 VAC
Table Size	9" x 49" (228.6 mm x 1244.6 mm)	10" x 54" (254 mm x 1371.6 mm)
Net Weight	2600 lbs. / 1179 kg.	3600 lbs. / 1633 kg.

Product	Order #
CNC LeGrande Mill 949	999-7949-000
CNC LeeGrande Mill 1054	999-7154-000
Industrial Tool Cart & Operator Station	999-7000-000
Flood Coolant Submersible Pump	999-6500-015

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