

CNC Express SQ/XL™

MicroKinetics
C O R P O R A T I O N



CNC Milling Systems From MicroKinetics



*Now with
High Torque
Motors*

Included Accessories

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

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 SQ & XL have a good machining envelope, runs on 115 or 230 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 Express SQ & XL milling machines to machine shops, vocational schools, and laboratories with great results. Discovering the quality and value of the CNC Express SQ & XL 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 Mill Systems are helping many professionals achieve a new level of engineering, training, and technical capability.

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

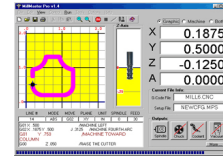
Unsurpassed Quality

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 | Express SQ | Express XL |
|----------------|---|---|
| X-axis Travel | 20.00" (508 mm) | 28.00" (711 mm) |
| Y-axis Travel | 9.00" (229 mm) | 12.00" (305 mm) |
| Z-axis Travel | 5.00" (127 mm) | 4.75" (121 mm) |
| Resolution | .00025" (.00635 mm) | .00025" (.00635 mm) |
| Backlash | 0" | 0" |
| Column Type | Dovetail | Dovetail |
| Head Movement | Tilt 90 Degrees Left Tilt 90 Degrees Right | Tilt 90 Degrees Left Tilt 90 Degrees Right |
| Spindle Taper | R-8 | R-8 |
| Spindle Speeds | New Variable Speed 100 to 3000 RPM with included VFD. Torque selectable via gearing. | New Variable Speed 100 to 3200 RPM with included VFD. Torque selectable via gearing. |
| Spindle Motor | 2 HP AC | 2 HP AC |
| Table Size | 9 1/2" x 32 1/2" (241.3 mm x 825.5 mm) | 9 3/8" x 39 1/2" (238.125 mm x 1003.5 mm) |
| Net Weight | 765 lbs. / 347 kg. | 1000 lbs. / 454 kg. |



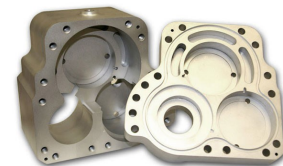
MillMaster Pro
for Windows
Software



DriveRack



Advanced USB
Controller
with Feed Rate
Override



Parts Samples



Optional Flood
Coolant System



Optional Splash Guard

| Product | Order # |
|----------------------|--------------|
| CNC Express Mill SQ | 999-6510-000 |
| CNC Express Mill XL | 999-6520-000 |
| Flood Coolant System | 999-6500-010 |
| Splash Guard | 999-6500-020 |

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