

 **QUAKELOGIC**

# QL-MillPro 95

CNC MILLING SYSTEM



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## CNC MILLING SYSTEM

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- The QL-MillPro CNC Milling System is a fully enclosed, industrial-grade vertical machining platform engineered to meet the demanding requirements of precision machining environments within government, aerospace, and advanced manufacturing facilities. Designed for reliability, repeatability, and operator safety, the system integrates a high-performance CNC control architecture with automated tooling, multi-axis capability, and robust cooling systems to support a wide range of machining applications.
- The system is equipped with an automatic tool changer (ATC), integrated 4th-axis rotary capability, and rigid tapping functionality, enabling efficient execution of complex machining operations with minimal operator intervention. Its industrial Ethernet-based control structure ensures secure, non-cloud connectivity and seamless integration with standard CAD/CAM environments, including compatibility with Autodesk Inventor workflows.
- The QL-MillPro is delivered as a fully assembled, factory-tested unit with a compact footprint and a machine height of approximately 95 inches, ensuring compliance with facility constraints while maintaining full operational capability. The system is ideally suited for precision part fabrication, prototyping, and low-to-medium volume production environments.

## ✓ General Configuration:

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✓	• Fully enclosed CNC vertical milling machine
	• Factory assembled, ready for installation
	• Machine height: Approximately 95 inches
	• Industrial-grade construction with full safety enclosure
	• Non-cloud-based control architecture

## ✓ Working Envelope:

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✓	X-Axis Travel:	19.7 inch
	Y-Axis Travel:	13.8 inch
	Z-Axis Travel:	17.7 inch

## ✓ Spindle System:

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✓	Spindle Taper:	CAT 40 / BT40 compatible
	Spindle Speed:	8000 RPM
	Main Motor Power:	3.7 kW
	• Belt-driven precision spindle system	
	• Rigid tapping capability supported	

## ✓ Tooling System:

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✓	Automatic Tool Changer (ATC):	12-position
	Tool Holder Compatibility:	CAT 40 toolholding system included
	Tool Change Type:	Automatic, rapid indexing
	• Toolholding set included with system	

## ✓ Axis & Motion Control:

✓	CNC Control System:	Industrial controller (Siemens / equivalent)
	Positioning Accuracy:	±0.012 mm
	Repeatability:	±0.01 mm
	Rapid Traverse Rate:	15 m/min (all axes)
	• Canned cycles for drilling, tapping, and machining operations	

## ✓ Multi-Axis Capability:

✓	• Integrated 4th Axis rotary table with tailstock	
	• Full compatibility with indexed and continuous rotary machining	

## ✓ Cooling & Lubrication:

✓	Dual-mode cooling system:	• Flood cooling • Spiral/spray cooling
	Centralized automatic lubrication system	
	Chip management system with coolant circulation	

## ✓ Control & Connectivity:

✓	• Industrial Ethernet communication interface (non-cloud based)	
	• Compatible with Autodesk Inventor and standard CAD/CAM platforms	
	• USB and external media support for program transfer	
	• Secure, offline-capable operation	

## ✓ Accessories & Included Equipment:

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- Strap clamp kit for 5/8-inch T-slot table
- CAT 40 toolholding starter set
- Waterproof industrial mouse
- Waterproof industrial keyboard
- Oil skimmer kit
- Standard machine lighting and operator interface

## ✓ Electrical Requirements:

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- Standard industrial power configuration (as required by installation site)
- Integrated electrical cabinet with thermal management system

## ✓ Installation & Delivery:

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- | Delivery:  | FOB Destination (Arnold AFB, TN) |
|--|----------------------------------|
| <ul style="list-style-type: none"><li>• Delivered fully assembled and factory tested</li></ul>               |                                  |
| <ul style="list-style-type: none"><li>• Installation at designated facility location</li></ul>               |                                  |
| <ul style="list-style-type: none"><li>• System ready for immediate commissioning upon installation</li></ul> |                                  |

## ✓ Warranty:

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- 12-month full system warranty
- Coverage includes defects in materials, parts, and workmanship
- Warranty period begins upon system acceptance

# High-Precision CNC Milling Solutions Engineered for Advanced Machining Excellence

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## Corporate Headquarters

QUAKELOGIC INC.  
2008 Opportunity Dr. Suite 130  
Roseville, CA 95678, USA

## Executive Support Line

**+1 (916) 899-0391**

Direct access for advanced CNC milling system consultations, machining optimization, and priority technical support.

Available Monday - Friday, 9 AM - 5 PM PST

## Strategic Inquiries

**[sales@quakelogic.net](mailto:sales@quakelogic.net)**

For strategic collaborations, CNC milling systems, precision machining solutions, and advanced manufacturing application inquiries.

## Our Commitment to Precision Machining Excellence

### Certified Quality Assurance

Complying with international standards to ensure machining accuracy, system reliability, and consistent operational performance in precision manufacturing environments.

### Pioneering Industry Leadership

Delivering advanced CNC milling technologies that ensure high-precision machining, repeatability, and efficient multi-axis operation across complex manufacturing processes.

### Dedicated Client Success

Providing responsive technical support, machining process optimization, and comprehensive after-sales service for every CNC milling system delivered.

## Scan to Explore Advanced CNC Milling Solutions



### Explore Machine Capabilities and Applications

Discover how QuakeLogic's CNC milling systems optimize machining performance and elevate overall production efficiency.

**[www.quakelogic.net](http://www.quakelogic.net)**