

 **QUAKELOGIC**

QL-RouteMaster 1530

ATC CNC ROUTER SYSTEM



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- The QL-RouteMaster 1530 ATC CNC Router System is a high-performance industrial CNC machining platform designed for precision cutting, engraving, drilling, routing, and automated production of wood, plastics, composites, non-ferrous metals, and advanced engineering materials.
- Featuring a heavy-duty welded steel frame, servo-driven motion system, automatic tool changing capability, precision linear guideways, vacuum workholding technology, and advanced CNC control architecture, the system delivers exceptional accuracy, productivity, and reliability for manufacturing, prototyping, educational, research, and restoration applications.
- The complete system package includes automatic tool changing functionality, rotary machining capability, laser processing integration, dust extraction, advanced probing functions, and a comprehensive tooling package to support demanding multi-process machining operations.

Technical Specifications:

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| • Machine Type: | • Industrial CNC Router System with Automatic Tool Changing (ATC) Capability |
| • Model: | • QL-RouteMaster 1530 ATC CNC Router System |
| • Working Area: | • 1500 mm × 3000 mm (60 in × 120 in) |
| • Gantry Clearance: | • 203 mm (8 in) |
| • Motion System: | • Precision Servo-Controlled Multi-Axis Motion Platform |
| • Servo Control System: | • Advanced Servo Motion Control System Included |
| • CNC Software: | • CNC12 Router Pro Professional CNC Control Software Included |
| • Control Pendant: | • Industrial CNC Control Pendant Included |
| • Pendant Configuration: | • Router and Spindle Control Functionality Included |
| • Communication Interfaces: | • Ethernet and USB Connectivity |



✓ Technical Specifications:

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| • Spindle System: | • Smart Industrial Spindle and Variable Frequency Drive (VFD) Package |
| • Spindle Power: | • 9.0 kW Industrial High-Frequency Spindle |
| • Tool Interface: | • ISO30 Automatic Tool Change System |
| • Automatic Tool Changer: | • Integrated ATC System with Sliding Tool Rack |
| • Tool Rack Configuration: | • Multi-Position Automatic Tool Rack with Thirteen (13) Tool Cradles Included |
| • Tool Holder Package: | • ISO30 Precision Tool Holder Package Included |
| • Collet System: | • ER32 Precision Collet System |
| • Precision Collet Package: | • Comprehensive ER32 Collet Set Included |
| • Tool Tightening Fixture: | • ISO30 Tool Tightening Fixture Included |
| • Rotary Machining Capability: | • Integrated Servo-Compatible Rotary Axis for Cylindrical and Multi-Sided Machining Applications |



Technical Specifications:

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| • Rotary Axis Mounting: | • Recessed Mounting Configuration Included |
| • Rotary Frame Length: | • 1550 mm (61 in) |
| • Laser Processing Capability: | • Integrated 45 W CNC Laser Engraving, Marking, and Cutting System |
| • Laser System Configuration: | • Industrial CNC Laser System with Auxiliary Control Integration Included |
| • Dust Collection Interface: | • Universal Adjustable Dust Collection Shoe Included |
| • Spindle Adapter Compatibility: | • 83 mm Spindle Adapter Configuration Included |
| • Brush Ring Package: | • Complete Multi-Length Brush Ring Set Included |
| • Auto Z and Corner Finding System: | • Included |
| • Tool Length Measurement and Calibration System: | • Included |
| • Proximity Sensor Package: | • Included |
| • Vertical Workholding System: | • Included |
| • Vacuum Workholding Table: | • Multi-Zone Industrial Vacuum Workholding Platform |



✓ Technical Specifications:

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| • Auxiliary Power Relay Module: | • Included |
| • Auxiliary Power Management System: | • Integrated Machine Power Control Included |
| • CNC Router Bit Package: | • Included |
| • Aluminum Cutting End Mill Package: | • Included |
| • Spoilboard Surfacing Cutter Package: | • Included |
| • Automatic Tool Change Tooling Package: | • Included |
| • Precision Tool Holder Set: | • Included |
| • ER32 Collet Set: | • Included |
| • Safety Features: | • Emergency Stop, Electrical Safety Interlocks, Limit Protection System, and Overload Protection |
| • Plasma Capability: | • Not Required / None |
| • Installation Support: | • Included |
| • Operator Training: | • Included |
| • Factory Warranty: | • Full Standard Manufacturer Warranty Included |



✓ Technical Specifications:

- Delivery:
 - Complete Turnkey System Package
- Package Includes:
 - CNC Router, Servo Control System, CNC Software, Smart Spindle/VFD System, Rotary Axis, 45 W Laser System, Dust Collection Interface, Tooling Package, Workholding Accessories, Sensors, Control Pendant, Auxiliary Power Module, Installation Support, Training, and Warranty



Advanced CNC Routing & Automated Machining Solutions

Corporate Headquarters

QUAKELOGIC INC.
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Available Monday - Friday, 9 AM -
5 PM PST

Executive Support Line

+1 (916) 899-0391

Direct support for CNC router operation, automatic tool changing, spindle setup, rotary machining, laser processing, and field maintenance applications.

Strategic Inquiries

sales@quakelogic.net

For CNC router systems, automated cutting, engraving, drilling, routing, prototyping, manufacturing, and advanced material processing applications.

Our Commitment to Advanced CNC Routing Solutions

Precision CNC Machining

Delivering accurate and reliable CNC cutting, engraving, drilling, routing, and machining performance for wood, plastics, composites, and advanced materials.

Advanced ATC Performance

Providing automatic tool changing, servo-controlled motion, ISO30 tooling, rotary machining, laser processing, and smooth multi-process production workflow.

Dedicated Technical Support

Ensuring reliable installation support, operator training, setup assistance, application guidance, warranty coverage, and after-sales service for CNC router operation.

Scan to Explore CNC Routing & Automated Machining Solutions



Explore QL-RouteMaster 1530 ATC Capabilities and CNC Router Applications

Discover how QL-RouteMaster 1530 ATC supports precision cutting, engraving, drilling, routing, rotary machining, laser processing, and automated production for industrial, educational, research, and prototyping applications.

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