# QCJ5 the intelligent solution

## QCJ5 setting the NEW standard for in-house prototyping!

### 3rd Axis Motion Control
Pocket mill microwave boards, de-panel, repair circuit boards, fabricate enclosures, or create panels and housings.

### 32-Position Automatic Tool Change
Projects run unattended and uninterrupted, adding valuable time back into an Engineer's day.

### Automatic Tool-Depth Control
Software controlled depth of cut settings, ensuring the highest level of precision and accuracy in all milling procedures.

### 4 Quadrant Precision Vacuum Table
Secure materials to the precision flat surface ensuring accurate depth of cut and reducing damage to fragile prototypes.

### 60,000 or 100,000 RPM Variable Speed Spindle
Available with a choice of 60,000 or 100,000 rpm high performance variable speed spindles.

### 4 Mil Trace and Insulation Width
Resolutions as fine as .006 mm (.00025") with traverse speeds as high as 150 in/min.

### Pre-Touch Pressure Foot
Pre-Touch system applies evenly distributed pressure to the substrate prior to the drilling or milling operation.

### Integrated Front-Panel Controls
Front panel controls provide the convenience of local access to common system commands.

## QCJ5 ...the rules have changed!

## QCJ5 Specifications

| Model QCJ5 | Standard Speed | High Speed |
|---|---|---|
| RPM Software Controlled | 0-60,000 | 0-100,000 |
| 3 Phase Spindle Power | 300 Watts | 300 Watts |
| Smallest Drill Size | .15mm (0.006") | 0.1mm (0.004") |
| Smallest Mill Size | .15mm (0.006") | 0.1mm (0.004") |
| Milling Speed | 3,800mm/min (150"/min) | 3,800mm/min (150"/min) |
| Traverse Speed | 3,800mm/min (150"/min) | 3,800mm/min (150"/min) |
| Drilling Speed | 180 Holes/min | 180 Holes/min |
| Routing Speed | 3,800mm/min (150"/min) | 4,500mm/min (180"/min) |
| Material Size | 35cm x 40cm (14"x16") | 35cm x 40cm (14"x16") |
| Work Area | 25x33x6 cm (10x13x3.5") | 25x33x6 cm (10x13x3.5") |
| Resolution | 0.0012mm (0.0005") | 0.006mm (0.00025") |
| Repeatability | 0.008mm (0.00036") | 0.004mm (0.00018") |
| Stroke Z-Axis | 76mm (3.0") | 127mm (5.0") |
| Machine Voltage | 80-245 Volts 50/60Hz | 80-245 Volts 50/60Hz |
| Machine Dimensions | 66x66x50cm (26x26x20") | 66x66x50cm (26x26x20") |
| Machine Weight | 45 kg (99 lbs) | 49 kg (108 lbs) |
| Automatic Tool Change | 12, 24, or 32 Tools | 12, 24, or 32 Tools |
| Axis Motion Control | X,Y, and Z Axis Control | X,Y, and Z Axis Control |
| Automatic Depth Control | Standard | Standard |
| Front Panel Controls | Standard | Standard |
| Pressure Foot System | Pre-Touch | Pre-Touch |
| Vacuum Table | 4 Zone Selectable | 4 Zone Selectable |
| Sound Enclosure | Integrated | Integrated |
| Mac Requirements | Intel Processor OSX 10.5 or Newer | Intel Processor OSX 10.5 or Newer |
| Windows Requirements | 1.5Ghz Processor 1GB RAM Windows XP, Windows 7 | 1.5Ghz Processor 1GB RAM Windows XP, Windows 7 |

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