

## QCJ5 the intelligent solution



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

#### **12, 24 or 32-Position Automatic Tool Change**

Projects run unattended and uninterrupted, adding valuable time back into an Engineer's day.

#### **ContactByTouch® Automatic Depth Sensing**

Software controlled depth of cut settings, ensuring the highest level of precision and accuracy in all milling procedures.

#### **CheckByTouch®**

Broken Tool Detection and software enabled tool management including linking

#### **3 Axis Motion**

Pocket mill microwave boards, de-panel, repair circuit boards, fabricate enclosures, or create panels and housings.

#### **JVision® Fiducial Recognition and Alignment**

Automatically Align circuit boards for multilayer production or rework with IsoPro® 3.1 software managed fiducial recognition.

#### **ALCOA MIC6® Fully Integrated 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**

Create resolutions as fine as .004 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...In-House Prototyping Simplified!



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Features	QCJ5-60	QCJ5-100
RPM - Software Controlled	0-60,000	0-100,000
3 Phase Spindle Power	300 Watts	300 Watts
Smallest Drill Size	.15mm (0.004")	0.1mm (0.004")
Smallest Mill Size	.15mm (0.004")	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	25x33x88 cm (10x13x3.5")	25x33x88 cm (10x13x3.5")
Resolution	0.012mm (0.0005")	0.006mm (0.00025")
Repeatability	0.008mm (0.00036")	0.004mm (0.00018")
Stroke Z-Axis	76mm (3.5")	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, Z Axis Stepper Motor	X,Y, Z Axis Stepper Motor
Automatic Depth Control	Standard	Standard
Fiducial Recognition & Alignment	Standard	Standard
Front Panel Controls	Standard	Standard
Pressure Foot System	Pre-Touch	Pre-Touch
Vacuum Table	Fully Integrated	Fully Integrated
Sound Enclosure	Integrated	Integrated
Air Requirements	95 psi	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