The PDA legacy continues.

The Paragon 2001 Model J436 is the Dynamic Fabrication System designed and built to meet and exceed your PCB fabrication needs now, and well into the 21ST century. The split-axis design provides accuracy and rigidity beyond compare. Large work station sizes will handle today's large backpanels and tomorrow's ever increasing panel sizes.

Reliability *

Featuring PDA's legendary belt-driven spindles, with speeds up to 48,000 rpm. The Paragon 2001 uses brushless DC servomotors and drives for high performance, 600 IPM positioning feedrate, and durability. Equipped with PDA's TurboCam CNC, with the most advanced programming power and features for the PCB industry.

Large Panel Capacity

The standard configuration has a four spindles with a 24" x 32" work area, with two spindles 28" x 32". Optionally the four spindle work area can be expanded to 24" x 36". One configuration of the Paragon 2001 has a 36" x 36" work area under two spindles.

Durability *

The 35 mm linear guide system used on the Y-axis is capable of carrying over 50,000 pounds. PDA has oversized the components throughout the Paragon 2001 for maximum life and durability. The 75 inch/pound, brushless DC servomotors accelerate the X and Y axes to 600 IPM, at well below their maximum output. Still providing contouring to 400 IPM feedrates.

Accuracy

The Paragon 2001 is a split-axis design for accuracy. Positioning accuracy is +/-.0005" , with .0002" repeatability. The Monocarrier (TM) leadscrew assembly incorporates the zero backlash ballnut within a linear guide system. Linearity is .0003" per foot or better.

Supportability *

PDA has maintained a concept of supportability throughout the design of the Paragon 2001. Ease of use, access to components, and simplified maintenance procedures is always a consideration. The PDA factory service and support team is complemented by a qualified network of independents.

Rigidity

Granite and steel construction is used for maximum rigidity. The Y-Table is a 3" thick webbed, ductile iron casting for stiffness and thermal stability. Mounted on a 14" thick granite base using 35mm, high load, linear guide system, providing excellent stiffness under cutting loads. The 35 mm linear guides are used on the X-axis carriage assembly.

The Paragon 2001 is capable of routing the most demanding PCB arrays to exacting tolerances, and is rugged enough to plow through high stacks of multilayer deflashing. The precision Z-Axis control, and speed, of the Paragon 2001 provides pocket and edge milling capability. Also, holes can be drilled at a rate of up to 200 hits per minute. Add PDA's new Skorsaw (TM) option for precision sawing and scoring applications, and you have a Dynamic Fabrication System for your current and future needs.

Contact PDA's Sales Department for more information on this innovative system, or visit Booth 528 at the IPC Expo '97 to see the Paragon 2001 in action.

* Very Sophisticated Stuff