

Brother SPEEDIO High Speed Machining Center Generates Tremendous Productivity Gains for Global Supplier

Valco Melton of Cincinnati, Ohio is a global producer of automated adhesive application equipment for the packaging industry across the worldwide market. With expanding market potential, the company sought to improve its throughput. The company hoped that replacing outdated machining centers would help it to produce equipment components faster and more accurately. It also wanted to minimize changeovers from one part program to another, and capitalize on a library of current part programs that periodically repeat in the shop.

Valco Melton worked with Yamazen Inc.'s Cincinnati Technical Center to accomplish these goals. Yamazen recommended the Brother Speedio S500X1 High Speed Vertical Machining Center with the new CNC C-00 control to machine Valco's 6061

T6 Aluminum Connector Blocks. The parts require deep pocket milling, profiling, drilling & tapping operations.

The new CNC C-00 control features improved axis acceleration rates and improved surfacing and contouring capability that contributed directly to productivity gains for this customer's application.

The full color 10.4" display monitor adds to the operator's ease in using this machine.

Prior to purchasing the new Brother Speedio machine, Valco Melton was using a 3-axis vertical machining center installed in 1996. This machine was inconsistent in creating parts to required print tolerances, and the customer experienced wide variations in part finishes that required significant slowing of axis feed rates to pro-



duce consistent part appearances to satisfy customer requirements.

Valco Melton's average cycle time for these parts was in excess of 27 minutes, with part toler-

ances at times exceeding the allowable $\pm .005$ " and part finish variances had to be managed with very slow feed rates on deep pocket milling operations.



With the new Brother Speedio machine, the customer was able to use the same tooling, but crank up the spindle speed and feed rates and achieve a cycle time of under 8 minutes, all while achieving better and more consistent surface finishes on the critical deep pocket milling operations.





The Speedio machine was delivered and installed by Yamazen's Cincinnati Technical Center. The CNC machine operator were shown a convenient way to convert the existing part programs into the new Speedio CNC C-00 control. As Valco Melton's Manufacturing Engineering Manager Eric Fry states, "Thanks so much for helping us get the machine so quickly. That was the easiest machine startup and

training we have ever had. This machine has exceeded my expectations."

Valco Melton's CNC machinist Dan Inderrieden was particularly pleased with the layout of the new CNC-C00 control, and the ease of programming. Dan states that he, "...has learned a lot on this machine" and enjoys the brightness of the 10.4" color control display.

Contact Yamazen Inc. to see how the new Brother SPEEDIO machines can help you to realize similar productivity gains in your facility.

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