

## Spector Bass Guitars



Stuart Spector began making guitars in the mid-1970s and since that time his world-famous bass guitars have become prized by many artists and musicians, reaching many thousands of players. Stuart's own testimonial describes his passion for this work.

*"I believe we make the best electric bass guitars in the world. Master craftsmen from around the world make our instruments with great love and care. When you choose a Spector Bass, you have made the decision to buy a bass made for a lifetime."*

For many years, Stuart and his loyal craftsmen made their guitars by hand and with manual tools, jigs, and fixtures. They carefully shaped, assembled and finished each guitar to produce a work of art both in function and appearance. It is interesting to note that during many of those years of production the contoured bodies of the guitars were traditionally shaped by a sub-contractor on a multiple-spindle 'carving' machine.

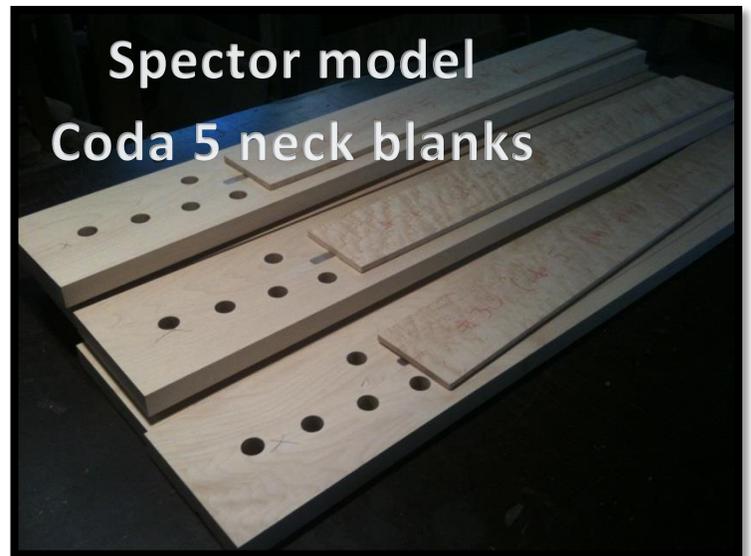
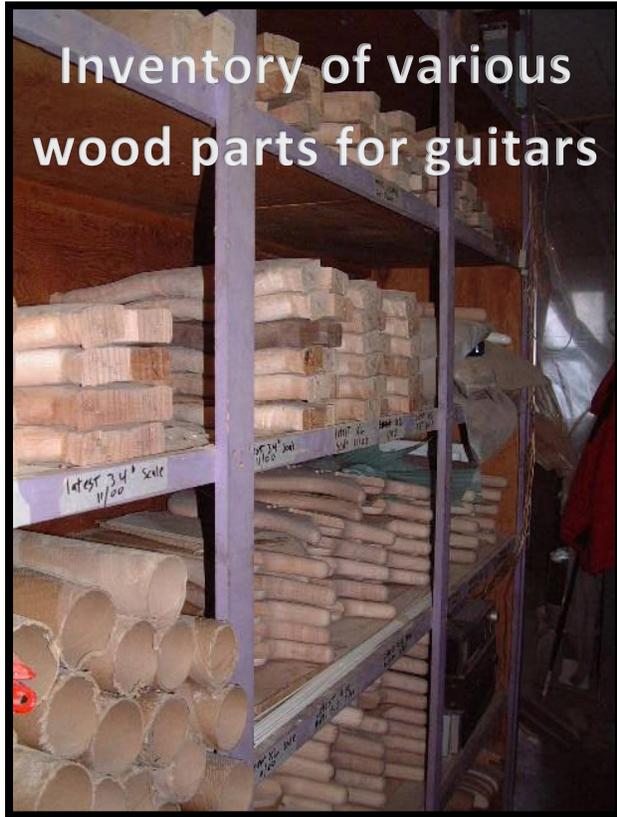
In 2008, Stuart decided to step up to the technology of CAD modeling, CAM programming, and CNC machining. At the advice of a friend and fellow guitar maker in California, Stuart was given a strong recommendation to look at Rhino for CAD design and then to research a good CAM plug-in to Rhino. His friend was currently using a popular CAM system associated with Rhino, but strongly suggested that Stuart look for a different CAM system than the one that his friend was currently using. Through his research, Stuart discovered [MecSoft's RhinoCAM](#) and has loved using it ever since.

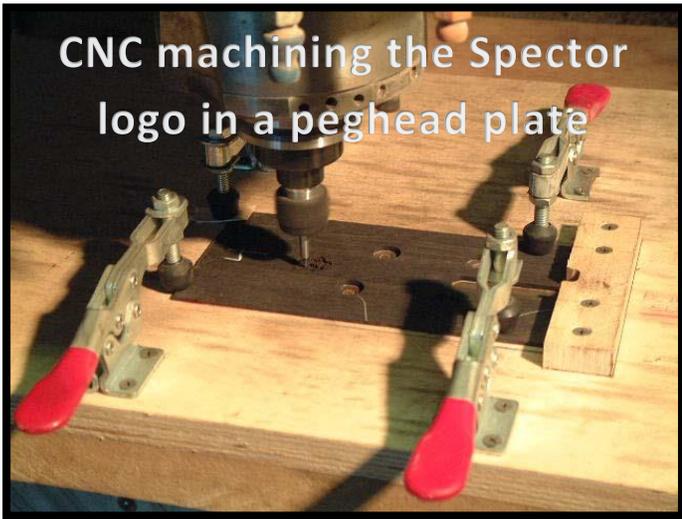
*"I am an unabashed fan of MecSoft. I tell everybody about you guys. I wanted for many years to get into that technology (CAD/CAM) and MecSoft was one of the key factors to help me make that leap."  
—Stuart Spector*

Gradually, the utilization of the CAD/CAM/CNC technology has increased in the Spector shop in New York. Today, shaping and machining of the necks and pegheads, cutting in-lay and logo mortises, and any hole-making and pocketing are regularly done on CNC. Fret slots on the necks are machined using a high speed spindle and driving a .020 inch diameter cutter to a depth of .060 inch. Even the fine work of shaping the guitar bodies is being evaluated for in-house production on their CNC equipment. Stuart is truly a hands-on entrepreneur and spends ample time in the shop and at the CNC machine creating parts.

With today's technology, Stuart is able to quickly send guitar designs and changes to his factories in the Czech Republic and South Korea. All of the models of guitars from any of these factories are sold worldwide. Check out thier websites at: <http://www.spectorguitar.com/> and <http://www.spectorbass.com/>

Enjoy the pictures below from the Spector shop in New York.





CNC machining the Spector logo in a peghead plate



Various peghead veneer plates with the Spector logo



Assembled necks, ready for final shaping

Cutting out the rough shape for a guitar body



Hand sanding a fretboard





Hand sanding the guitar after assembly



Fine shaping with a cabinet scraper



Hand sanding USA peghead

