

P.E.P. TECHNOLOGY[®]

Tomorrow's Automated Manufacturing Technology.... Today!

1,148 Intersecting Line Segments Replaced With 178 Tangent Arcs

The CAD file for the finished part in the picture below consisted of 1,148 consecutive short line segments. P.E.P. Technology's CAD Converter automatically replaced every line segment with a tangent arc segment and developed the finished cutter path in 2 minutes.



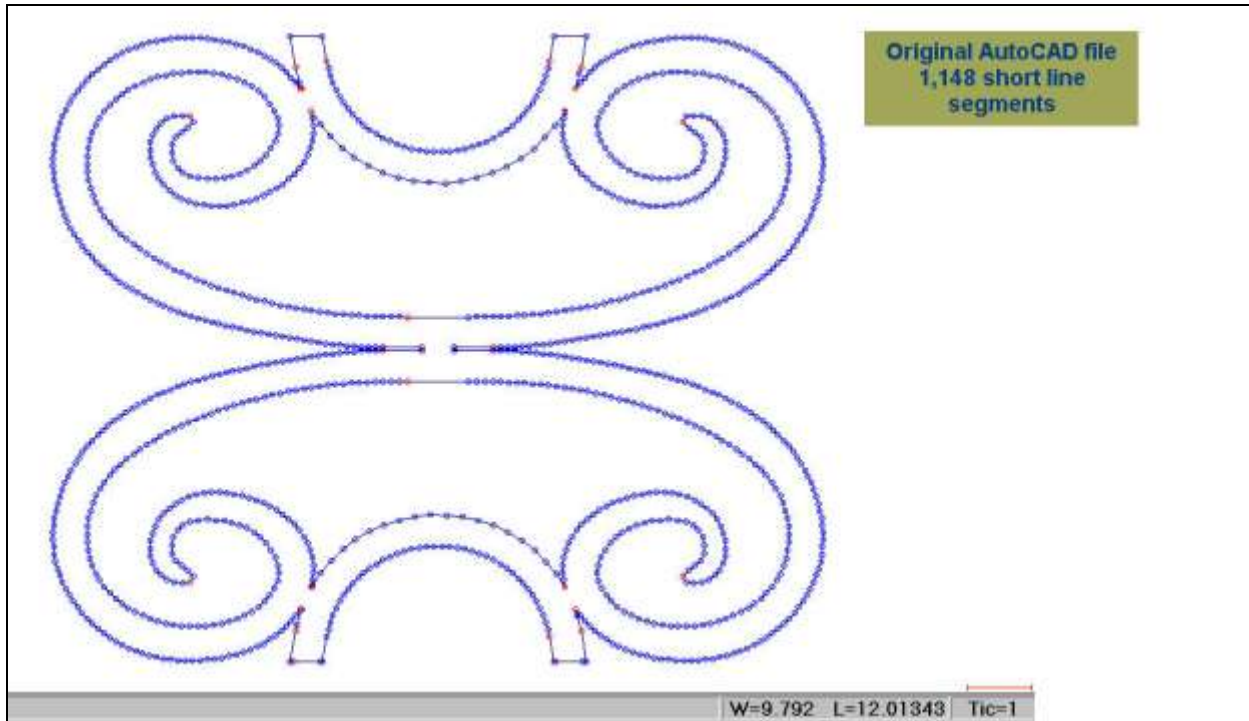
P.E.P. Technology's Automation dramatically:

- Reduced the time it took to create the finished cutter path.
- Reduced the machine code size per part to 1/15th it's original size.
- Reduced the machine code size to cut the entire nest to 1.
- Reduced the cutting time by increase the speed of the cut.
- Improved the cut quality of the parts

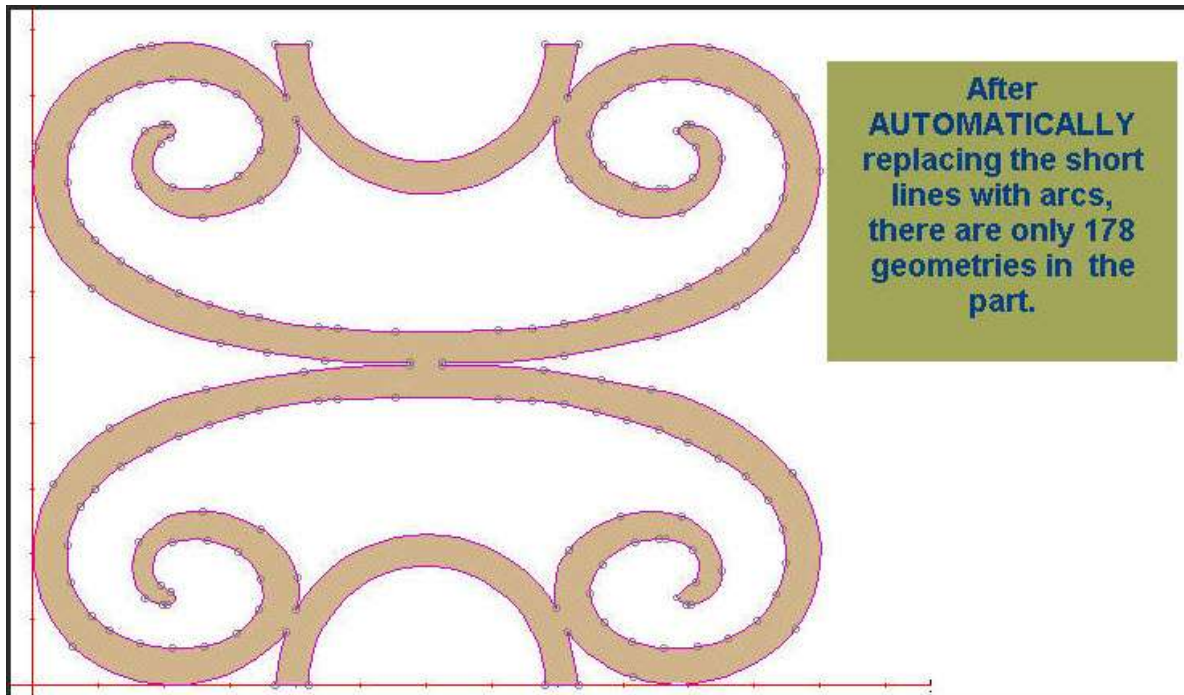
HIGHLIGHTS OF THE CAD CONVERTER REPLACE SOFTWARE

Problem : CAD file had thousands of short geometries.

Issues : Jagged part edges, huge code size, slow cutting as machine control slows down at each intersection.



SOLUTION: P.E.P.'s REPLACE SOFTWARE converted LINES to ARCS automatically!



Please visit our website at www.peptechnology.com for other Fully Automated Manufacturing products or call 949-753-7878.