1.3 Critical Nest Points

Every part has critical nest points. These points control the pitch & width dimensions. Optimizing the shape (contact) of these points will yield higher material utilization.

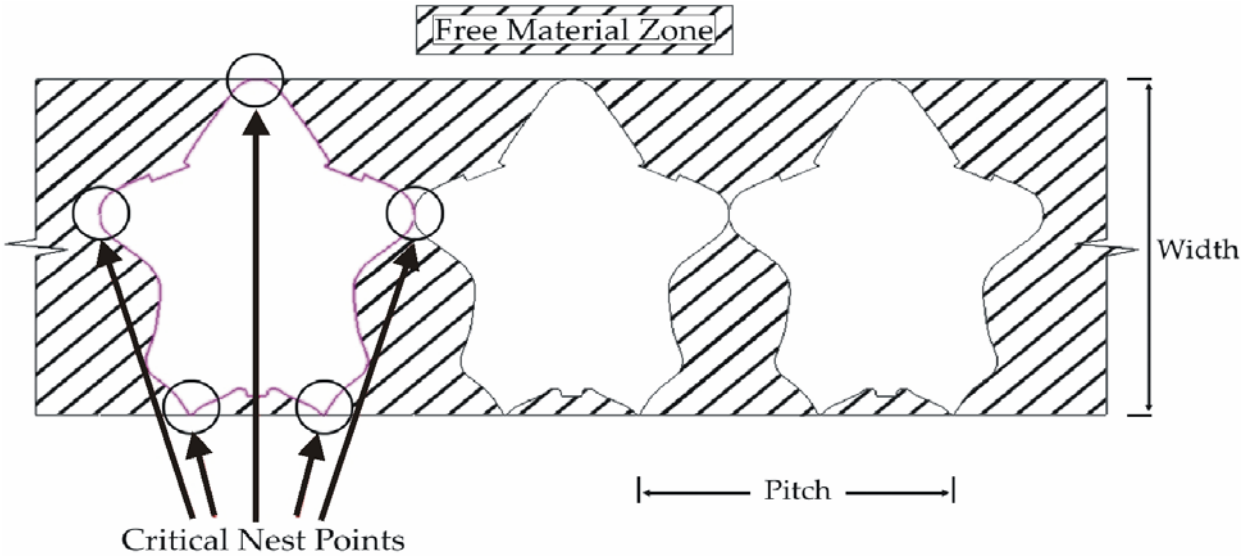

Figure 1-12. Critical Nest Points

The area marked as  is the **Free Material Zone**.

This material will be scrapped during the manufacturing process. If engineering changes are made, it is very important to know if the changes are in the free material zone or at a critical nest point.

Modifying the Critical Nest Points for Improved Material Utilization

The easiest method to improve the material utilization is to "soften" the critical nest points. The following figure is a simple example that resulted in $0.11 savings.

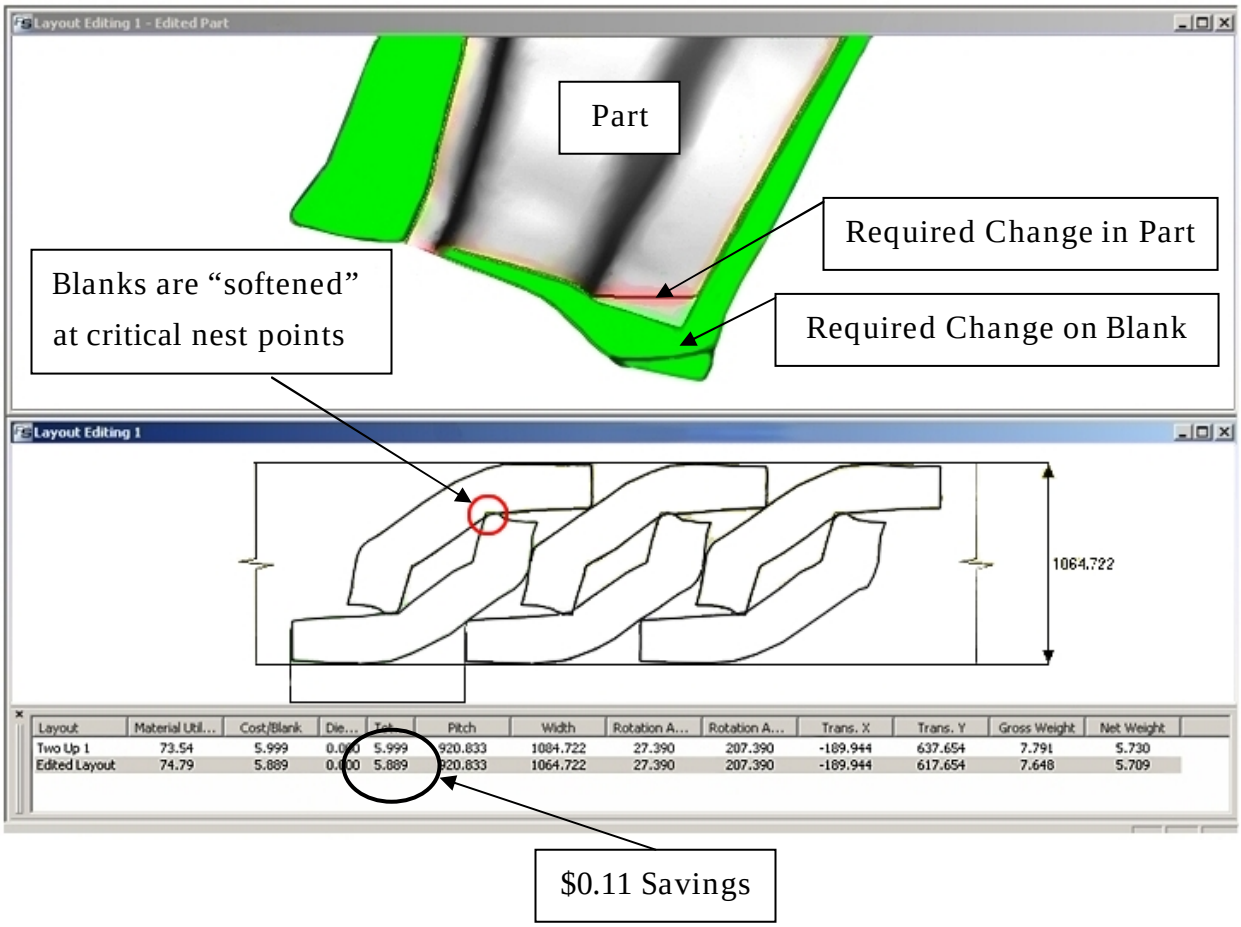

Figure 1-14. Modifying Critical Nest Points