Sheet Metal Overview — Spirit AeroSystems’ sheet metal fabrication capabilities include stretch and hydro forming, roll, hammer, profiling, gauge reduction of extrusions and aluminum heat treat. Spirit is also experienced in subassemblies.

**Capabilities Specifications**

**Sheet Metal Fabrication**

**Capabilities**:  
- Roll, hammer, brake and hydro forming  
- Extrusion stretch press  
- Profiling and gauge reduction  
- Close tolerance drilling  
- Aluminum heat treat  
- Subassemblies  

**Core Products**:  
- Windows, frames and beams  
- Lobe frames  
- Join ring frames

**Chord Trimmers**
- Maximum length of 246”  
- Contours with a radius up to 141.9”  
- Hole locations true position of 0.014”

**Stretch Presses**
- Maximum working length of 336.0 inches +/- two degrees on angularity  
- 34 extrusion shapes

**Hydro Forming Press**
- Hydro Forming Press: Maximum length of 144.0” and width of 42.5”

**Extrusion Mills**
- Minimum length of 0.5”; maximum length of 12”  
- Gauge reduction, step cuts and contour milled within part  
- Hole locations true position of 0.014”

**Heat Treat**
- 870° to 995°F  
- 40’ and 30’ furnaces

778,479 square feet  
30,000 part numbers