SolidWorks II : Sheet-Metal Parts

• Base Flange
  – Change Material

• Edge Flange
  – Bend Alignment
  – Auto Bevel

• Flattening
  – Unbend
  – Flatten Part
Sheet-Metal Base Flange – 20 Ga (1mm) Al
Cut Hole for Motor Shaft / Blind / Link to thickness
Cut Hole for Motor Mount & Create Circular Pattern
Cut Hole for Mechanical Encoder
Cut Pattern for Alignment Tabs & Mirror about Front Plane
Create Edge Flanges for Legs
Cut Hole for Banana Plug & Create Linear Matrix Pattern with Skipped Instances
Cut Hole for Power Adapter
Convert Entities of Top 2 Banana Plug Holes & Cut Through All
Create Edge Flanges for Feet
Fillet Feet
Cut Holes for Mounting Screws & Mirror about Right Plane
Cut Hole for Perforation & Create 2-Way Linear Pattern
Add Linear Pattern of Linear Pattern
Mirror Linear Pattern about Right Plane
Create Edge Flanges for Stiffening Ribs – Edges are automatically beveled for clearance
Measure Width
Measure Length
Generate DXF File of Flattened Pattern
Order the part, bend the ribs on the brake and the perforations by hand.