

NEWPORT MANUFACTURING

CUSTOM LASER CUTTING
WELDING & FABRICATION

Summer Newsletter 2019

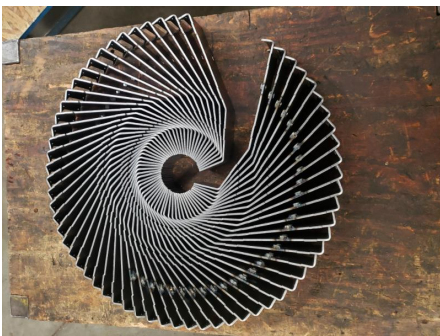
We're excited to share our forming capabilities with you!

Cincinnati Pro-Form Press Brake

- CNC controlled backstop and ram
- 175 ton bending capacity
- Up to 12' part forming capability (depending on material thickness)
- Large selection of punches and dies with experience in making custom die sets for specific jobs; call for details



Basic Rules of Flat Pattern Design



There are lots of different ways to make flat patterns. Most modern CAD software has a feature that will take a 3D model and spit out a flat pattern. However, computers don't know how things work in the real world, and are only as smart as the information given them.

Here are 3 general guidelines that will help everyone involved!

1. **Inner Bend Radius** should be figured at 1.5 times material thickness.
2. **Flange length** should be at least 6 times the material thickness. This allows the part to sit firmly on both edges of the V die.
3. **Holes/slots** need to be 6 times material thickness away from bend line, otherwise they will distort.



If your design doesn't adhere to these guidelines, [contact us](#) to assist in your flat pattern creation. These are guidelines, not rules, and we have **A LOT** of experience making things work.

Contact us:
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