



COVER GASKET APP NOTES

Maximize vacuum clamp area for the mass production for extremely small parts and/or tight angles making a Dedicated Fixture using a “blank canvas” gasket surface.

WHEN TO USE COVER GASKET

- When looking to produce high-volume small parts when maximizing clamp area drives speed and yield
- When you want a durable Dedicated Fixture for repeat, long-term use
- You need flexibility for custom patterns, cutting your own pockets with in-house gasket customization

TOOLS & PREP



- Non-porous fixture board (Baltic birch, HDPE)
- Choose Cover Gasket Sheet thickness:
 - Typically 1/32” for plastics; 1/16” for woods; 1/8” for varied materials
- Optional: Engraving Bit for cleaner edges

STEP-BY-STEP

1. Build a dedicated fixture (avoid porous MDF spoilboards)
2. Cover the intended work area with sheet gasket—avoid stretching during layup. Many will leave the paper on the back as they lay the gasket sheet out to avoid stretching
3. Cut your CAD pocket patterns directly into the gasket (engrave tool = cleaner edge).
4. Downsize the CAD pocket and create an interior gasket perimeter
5. Make sure parts have the through-holes in fixture to port vacuum
6. Account for waste and off-cuts so it does not fly off the table
7. Turn vacuum ON, test with one part then scale



QUICK ERROR CHECKS

- Fixture material porous/leaky: switch to non-porous board
- Through-holes venting: add bridges or isolated pockets
- Frayed pocket edges: use an engrave bit for crisp vacuum pocket walls

MAINTENANCE

- Replace worn areas; keep patterns consistent for repeatability.

ADDITIONAL ASSISTANCE NEEDED?

- www.AllStarCNC.com
- 800-898-7827
- info@allstarcnc.com

