LaserQC®

Our Gasket Division employs a Virtek LaserQC® 1200 machine. The LaserQC® assists in reverse engineering, quality inspection and control, and statistical process control. It captures over 500 data points per second, while maintaining a tolerance within ± 0.05mm (0.002”). Our drafting department makes adjustments to the scanned data to optimize the tolerance levels. The file can then be exported directly to our flashcutters for rapid gasket production.

Materials:

### Composite Non-Asbestos

- BA-U
- BA-50
- BA-CF

**Thickness:** 1/64”, 1/32”, 1/16”, 1/8”
**Sheet Size:** 5’ × 5’, 5’ × 10’, 5’ × 15’

### Composite Flexible Graphite

- Grafilit® SF
- Grafilit® SL
- Grafilit® SP

**Thickness:** 1/64”, 1/32”, 1/16”, 1/8”
**Sheet Size:** 3’ × 3’

### Rubber and Plastic

- **Nitrile**
- Hydrogenated Nitrile
- White Nitrile
- NBR Sponge
- Cork/Nitrile
- Viton”/Fluorocarbon
- Expanded PTFE
- PTFE
- EPDM

- **Chloroprene**
- Silicone
- Silicone Sponge w/PSA Backing
- UHMW-PE
- Neo-Nylon
- Red Rubber
- Vegetable Fibre/Plant Fibre
- Gum Rubber

**Thickness:** 1/64”, 1/32”, 1/16”, 1/8”, 3/16”, 1/4”
**Sheet Size:** 4’ × 25’, 4’ × 50’, 4’ × 100’
Flashcutter

Our two Atom Flashcutters utilize CAD renderings to quickly produce gaskets from rubber, plastic, and composite materials. Each flashcutter’s surface area can accommodate material up to 60” × 120”. We are capable of cutting rubber materials up to 1” thick and plastic and composite materials up to a 1/2” thick.

The flashcutters use a rapid vertical reciprocating motion to cut the gaskets. The cutting motion produces a cleaner finished part, avoiding compression marks found on die-cut gaskets. The flashcutters’ vacuum surfaces hold sheet material in place preventing the movement of parts during production. This enables the flashcutter to maintain exceptional tolerances.

Hand Cut

For cost effective small runs, our Gasket Division produces hand cut gaskets. Hand cut gaskets are excellent for prototype applications or for one of a kind parts.

Die Cut

For cost effective small runs, we produce hand cut gaskets. Dimensional capabilities include:
- Round Gaskets - up to 36”
- Oblong Rubber Gaskets - up to 48” x virtually endless
- Oblong Non-asbestos Gaskets - up to 60” x 180”