

## 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  $\pm 0.05\text{mm}$  (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' x 5', 5' x 10', 5' x 15'

### Composite Flexible Graphite

Graflit® SF  
Graflit® SL  
Graflit® SP

**Thickness:** 1/64", 1/32", 1/16", 1/8"  
**Sheet Size:** 3' x 3'

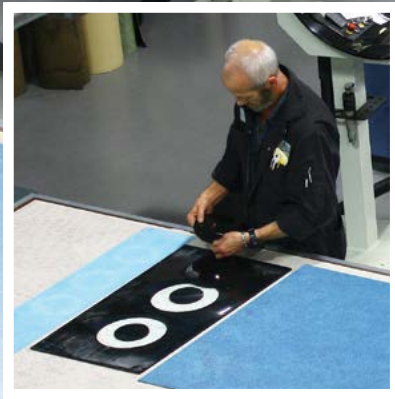
### Rubber and Plastic

Nitrile  
Hydrogenated Nitrile  
White Nitrile  
NBR Sponge  
Cork/Nitrile  
Viton™/Fluorocarbon  
Expanded PTFE  
PTFE  
EPDM

**Thickness:** 1/64", 1/32", 1/16", 1/8", 3/16", 1/4"  
**Sheet Size:** 4' x 25', 4' x 50', 4' x 100'

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





## Equipment

### 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" x 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"