

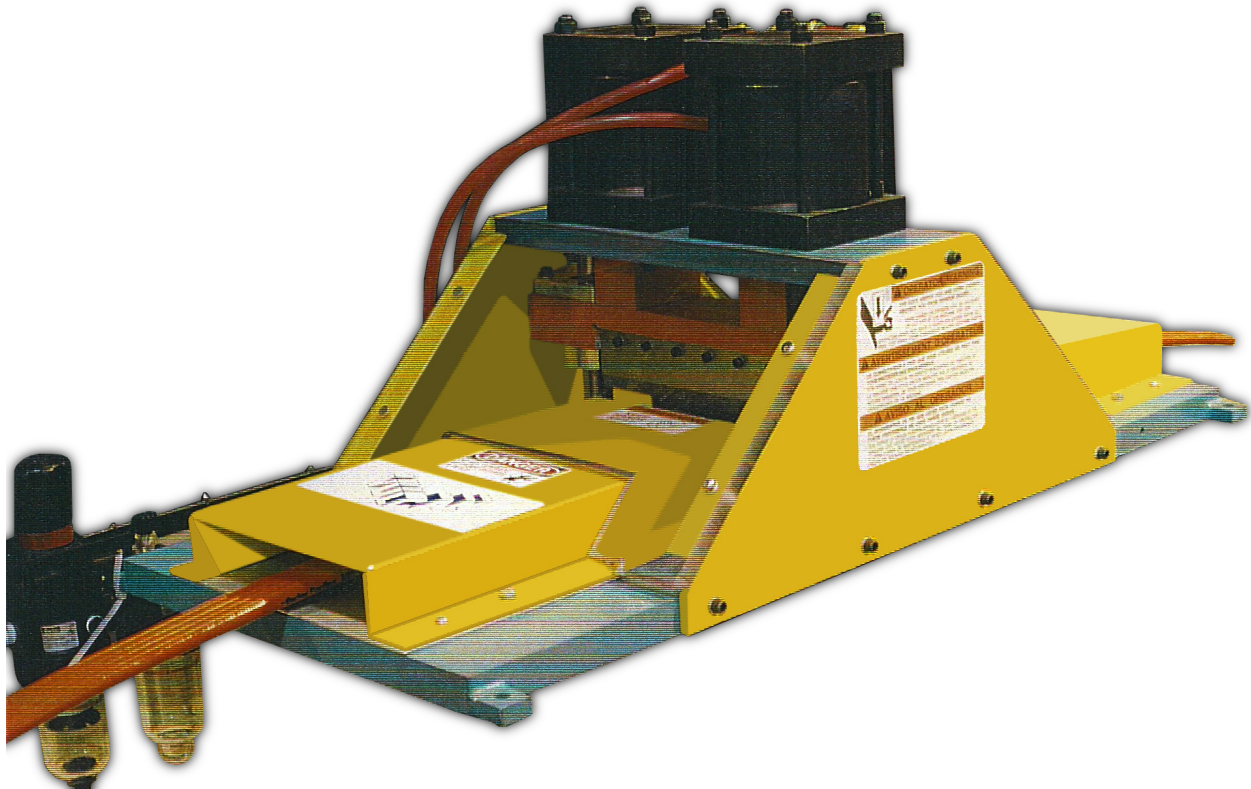


VULCAN MACHINERY CORP.

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Engineering Makes The Difference™

**GUILLOTINE CUTTER
SGC Series**



Model Number	Max. Product Width (inches)	Max Product Height (inches)	Max. Cuttings Force @ 80 PSI (lbs./square inch)
SGC4	4	1	400
SGC8	8	1	600
SGC112	12	1	800

APPLICATION:

- The Guillotine Cutter is designed to be located in the extrusion line downstream of the puller and is equipped with its own DC nip wheel drive. The extrudate forms a catenary or loop between the puller and the guillotine nip. A contactless ultrasonic dancer that controls the cutter feed rate senses the magnitude of the loop. Upon receipt of a cut length unit, the guillotine drive clutch/brake is actuated and the extrudate is momentarily stopped, cut and then restarted. The buildup of material in the dancer loop during this period, results in the cutter feed rate, restoring the extrudate loop to its normal position.

PROGRAMMABLE CONTROLS:

- 4.1" LCD touch screen HMI
- Proprietary software driven display
 - Guides operator through set-up and prevents input errors
- Start pushbutton
- Emergency stop pushbutton
- Single turn line speed potentiometer (for manual operation)
- Automatic/manual locking selector switch
- Manual counter override with counter reset
 - Pushbutton for reset after package

CUTTER LENGTH SYSTEM:

- Product length is sensed with a ternary pulse generator electronically coupled to a digital counter with programmable length presets for actuation of the electro-pneumatic clutch/brake and subsequent cut cycle

CUTTER CONFIGURATION:

- Cutter stroke is air cylinder powered with cut forces as shown in the table
- Cutting blades are of standard single-edge, carbon steel, industrial grade construction
- Cutter blade closes on UHMW striker plate

CUTTER RATE:

- Max. cut rate – 30 cuts/minute
- Max. cut rate can be affected by line speed, product length and product thickness

DRIVE TRAIN:

- Drive Motor are class H, low inertia, brushless AC servo motors
- Cutter drives are geared in at customer's desired max. speed

FRAME:

- Heavy wall tubing, steel plate and structural sections
- Two rigid and two swivel casters and hold-downs
- Screw type floor jacks
- 16 gauge expandable guards
- Fully guarded drive train and electrical components

ELECTRICAL:

- Standard Electrical is 230 Volt/3 Phase/60 Hertz
 - Electrical other than the above is available as an option



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