

## SURE CUT ROTARY KNIFE CUTTER (SC-5 AND SC-8)



Model SC-5

# ONE CUTTER FOR ALL APPLICATIONS

The Conair Sure Cut Rotary Knife Cutter offers excellent versatility for processors who need one cutting system for a variety of applications. This cutter is essential for processors who face one or several product changes a day. The Sure Cut can go from cutting small parts at high line speeds to cutting extremely large tubes and profiles. In fact, the Sure Cut cutter can handle parts so large, that a saw would have been required previously.

The front-mounted control allows easy setup and monitoring. The repeatability feature ensures consistent cuts.

## HIGHEST CUTTING TORQUE FOR LARGE PROFILES/TUBES

To provide optimum versatility, the Sure Cut employs a 24-inch {610 mm} diameter flywheel, uniquely mounted below the cutter bushings.

The size of the flywheel offers unmatched blade surface speed and cutting torque. Blade speeds are adjustable up to 300 RPM and can be modified easily to obtain clean, square cuts. A multiple-blade mounting system allows you to add blades to achieve higher cutting rates.

With the optional blade lubrication system, clean, accurate, quality cuts are consistently maintained.

A sliding observation window provides for easy process monitoring. The discharge chute efficiently directs product away from the cutter. A discharge conveyor and automatic parts ejection systems are available as options.

### ■ **Cut capacity up to 4 x 7 inches (SC-5) or 6 x 12 inches (SC-8)**

The SC-5 has the capability to cut tube/pipe up to 5-1/4 inches {133 mm} in diameter or profiles as large as 4 x 7 inches {102 x 178 mm} and the SC-8 has the capability to cut tube/pipe up to 7-1/4 inches {184 mm} or profiles as large as 6 x 12 inches {152 x 305 mm} while essentially eliminating part size variations. The position-controlled servo drive provides variable speed and repeatable cut accuracy.

### ■ **Up to 300 cuts per minute**

The SC-5 can achieve up to 150 cuts/minute and the SC-8 can achieve up to 100 cuts/minute on demand with one blade. Blade speeds are adjustable up to 300 RPM, and multiple-blade mounting system lets you add blades to increase cutting rates.

### ■ **All new operator control**

The Sure Cut Series cutters feature a user-friendly 7 inch {178 mm} touch screen with high visibility graphics and common sense commands for controlling the cutter. A large pop-up "soft" keypad makes recipe entry fast and easy.

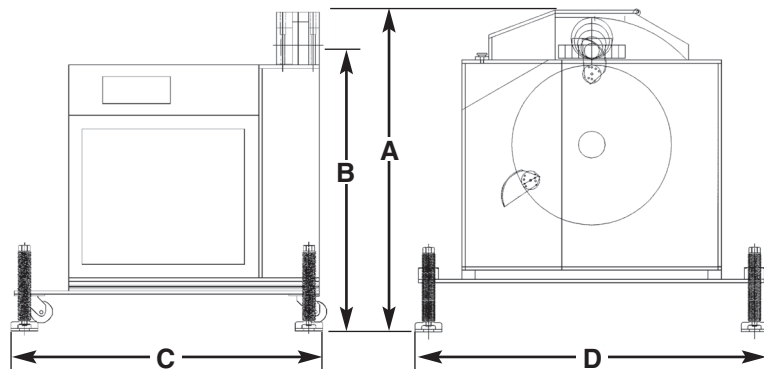
### ■ **Reduced maintenance costs**

The heavy-duty positional servo drive system, with planetary gear reduction, minimizes the maintenance and downtime associated with clutch/brake cutters.



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**SPECIFICATIONS**



**BENEFITS**

- 24-inch {610 mm} flywheel
- Up to 100 & 150 cuts/minute on demand with one blade
- Blade speeds adjustable to 300 RPM
- Surface speeds to 0.438 inches {11.1 mm} per millisecond
- Heavy-duty positional AC brushless servo drive
- 10:1 planetary gear head reducer
- 3,000 pulse bi-directional encoder

MODELS	SC-5	SC-8
<b>Performance characteristics</b>		
Extruder capacity inches {mm}		
Tube diameters	2.25 - 5.25 {57 - 133}	2.25 - 7.25 {57 - 184}
Profile dimensions	2x4 - 2x10, 4x7 {51x102 - 51x254, 102x178}	2.25x26.6 - 6.25x12.25 {57x676 - 159x311}
Blade drive motor	4.6 Hp {3.4 kW}	10.0 Hp {7.5 kW}
Feed direction	right to left	right to left
<b>Dimensions inches {mm}</b>		
A - Height	47.0 {1194}	70.0 {1778}
B - Height to centerline	40.00 ±2 {1016 ±50.8}	44.0 ±3 {1117.6 ±76.2}
C - Length	44.0 {1118}	41.4 {1051}
D - Width	52.0 {1321}	73.0 {1854}
Voltage/phase/frequency	230 V/3/60 Hz Or 460 V/3/60 Hz	230 V/3/60 Hz Or 460 V/3/60 Hz
Cutter control	Red Lion {CL0/FM4}	Red Lion {CL0/FM4}

**SPECIFICATION NOTE:**  
 Specifications may change without notice, consult with a Conair representative for the most current information.

**CONTROL**



The standard touch screen control:

- Large easy-to-read displays
- Full-color graphics
- Selectable cutting modes, blade speed and Start/Stop functions
- Total access to vector or servo drives for tuning and service

**FEATURES**

