

Model 320CSC2

PULL AND CUT WITH REPEATED ACCURACY AND PRECISION

Precisely pull and cut plastic and rubber tubings, rigid tubing, as well as custom profiles, with minimal alignment problems. Choose when you want close tolerances at high cutting speeds. Combination Puller/Cutters are available with your choice of puller sizes, cutter capacities and torque to meet your specific needs.

Positional accuracy of ± 0.10 millisecond for the price of a velocity controlled servo.

IMPROVED ACCESS FOR CLEANING

The CSC cutter portion has a position-controlled servo motor that allows the units to achieve a park position repeatability of ± 0.1 millisecond.

The puller portion's belt drive is a AC vector system that offers extremely good speed control, which can be further improved by using an optional servo motor. A variety of puller belt materials available from Conair can optimize performance with various types of extruded materials.

An option available on the Combination Puller/Cutter digitally controls the belt gap with the sensor. It sets the zero point for the belts when closed, and then measures the gap to three decimal places.

■ **More torque and motor life**

Eliminate the maintenance while improving performance. Our unique inline gear reducer improves torque values while reducing maintenance associated with belt and pulley designs.

■ **All new operator control**

The operator control provides a user-friendly method to interface the Conair Combination Puller/Cutter. The control consists of soft, numeric and fixed function keys, making it very easy to operate.

■ **Cutting capacity to 4 inches**

The Combination Puller/Cutter can handle extrudates up to 4 inch {101.6 mm} diameter. The puller portion lets you choose belt widths from 3 to 4 inches {76.2 to 101.6 mm} and traction lengths to 26 inches {660.4 mm}.

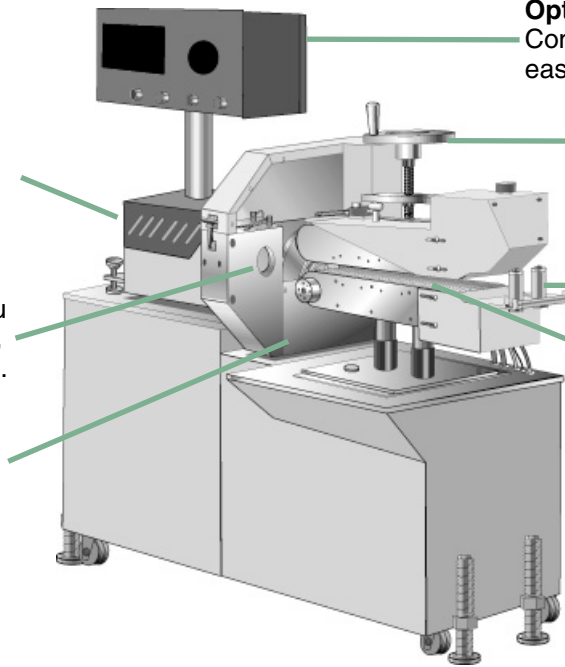
■ **Available in wide size ranges**

Choose from a variety of belt sizes, cutting capacities, as well as a range of speeds. Consult your Conair representative for the best choices for your needs.

Easy-access motor
Quick-remove cover for easy access to motor during maintenance.

Visible cutter head
Clear knife guard lets you view rotating cutter head, blade(s) during operation.

Built-in cleaning
Stainless steel blade lubrication tray cleans and lubricates the blade(s) with each pass.



Optimum eye-level monitoring
Controls are at eye-level and within easy reach.

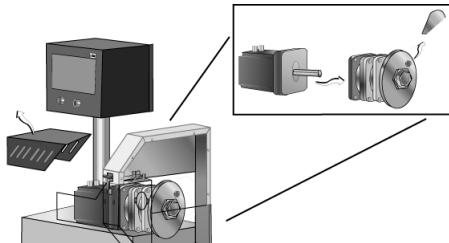
Controlled belt tension
Adjust belts and control tension on material by raising/lowering belts with an easy turn.

Centered, guided material
Adjustable rollers guide material into the belts

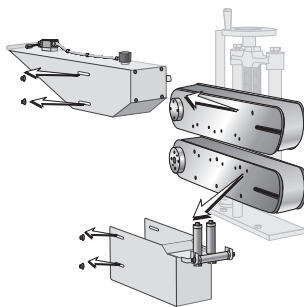
Precise pulling
Opposing belts uniformly draw material through to the cutter.

Safety features include:

- easy-to-reach Emergency and Stop buttons
- polycarbonate knife guard
- upper and lower belt guards
- heavy-duty lockdown screws



Inline gear box reducer reduces the maintenance required by traditional belt-and-pulley designs. The reducer improves torque performance, improves side load capabilities and extends the life of the servomotor. (Does not apply for L models)



Upper and lower belt guards protect the user and are easily removed when changing the belts.

CONTROL



Standard Control features include:

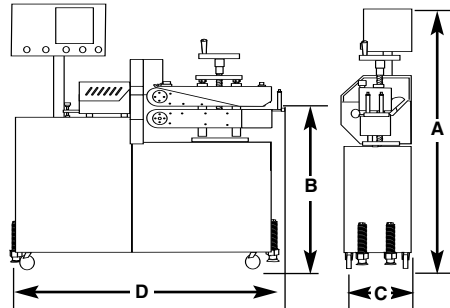
- Large easy-to-read displays
- Four modes of operation: Timer, Encoder, End Sense, and Flywheel
- Soft keys allows the operator to select different functions.
- Numeric keys permit data entry for the operator.
- Fixed function keys contain universal symbols and text.



Digital Belt Gap Sensor

This option allows you to set the zero point for the belt gap, and then set and measure belt gap to three decimal places.

SPECIFICATIONS

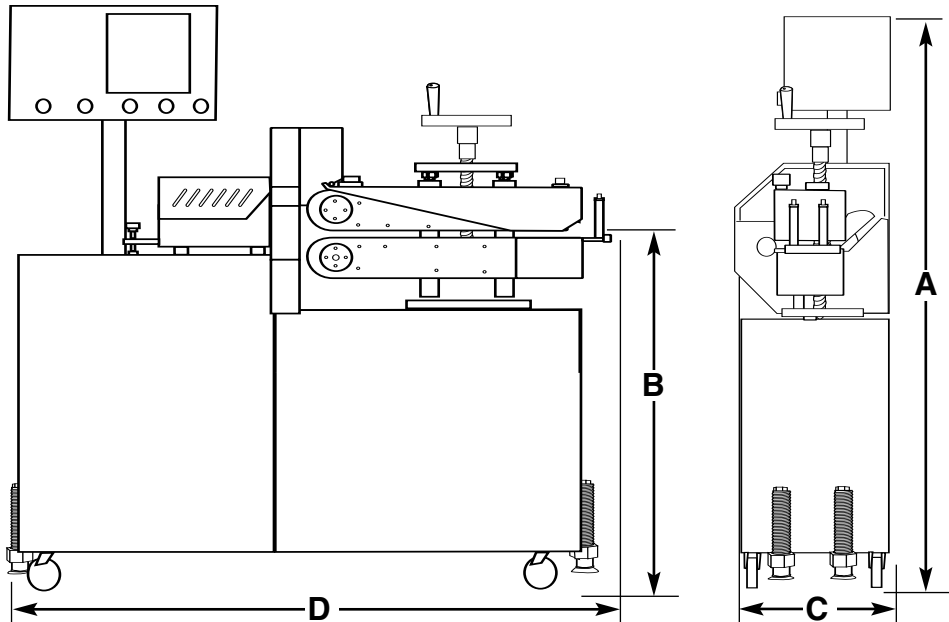


| MODELS | 320CSC2L | 320CSC3L | 426CSC2L | 426CSC3L | 426CSC4L | | | | | | |
|---|------------------|-------------|------------------|-------------|------------------|-------------|------------------|---------|------------------|------|--|
| Performance characteristics | | | | | | | | | | | |
| Extrudate capacity in. {mm} dia. | 1.25 {318} | 2.25 {572} | 1.25 {318} | 2.25 {572} | 3.25 {823} | | | | | | |
| Blade drive motor Hp {kW} | | | | | | | | | | | |
| CSC cutter | 2.7 {2.01} | 2.7 {2.01} | 2.7 {2.01} | 2.7 {2.01} | 2.7 {2.01} | | | | | | |
| Puller drive motor Hp {kW} | 1.0 {0.75} | 1.0 {0.75} | 1.5 {1.1} | 1.5 {1.1} | 1.5 {1.1} | | | | | | |
| Optional drive motor Hp {kW} | 1.5 {1.1} | 1.5 {1.1} | 2.0 {1.5} | 2.0 {1.5} | 2.0 {1.5} | | | | | | |
| Optional servo drive motor Hp {kW} | 2.46 {1.83} | 2.46 {1.83} | 2.46 {1.83} | 2.46 {1.83} | 2.46 {1.83} | | | | | | |
| Dimensions in. {mm} | | | | | | | | | | | |
| A - Height | 66.6 {1691} | 66.6 {1691} | 66.6 {1691} | 66.6 {1691} | 66.6 {1691} | | | | | | |
| B - Height to centerline, ±2 {±50.8} | 42 {1067} | 42 {1067} | 42 {1067} | 42 {1067} | 42 {1067} | | | | | | |
| C - Width | 26.6 {676} | 26.6 {676} | 26.6 {676} | 26.6 {676} | 26.6 {676} | | | | | | |
| D - Length | 74 {1880} | 74 {1880} | 74 {1880} | 80 {2032} | 80 {2032} | | | | | | |
| Belt width ±3/8 {±9.5} | 3 {76} | 3 {76} | 4 {102} | 6 {152} | 6 {152} | | | | | | |
| Belt traction length | 20 {508} | 20 {508} | 26 {660} | 26 {660} | 26 {660} | | | | | | |
| Feed opening | 4 {102} | 4 {102} | 5 {127} | 5 {127} | 5 {127} | | | | | | |
| Weight lb {kg} | | | | | | | | | | | |
| Installed | 1200 {545} | 1200 {545} | 1350 {613} | 1350 {613} | 1350 {613} | | | | | | |
| Shipping | 1300 {590} | 1300 {590} | 1450 {658} | 1450 {658} | 1450 {658} | | | | | | |
| Electrical requirements full load amps | | | | | | | | | | | |
| Drive type (Puller) | Open Loop | | Closed Loop | Open Loop | | Closed Loop | Servo | | | | |
| | 1.0 Hp | 1.5 Hp | 1.0 Hp | 1.5 Hp | 2.0 Hp | 1.5 Hp | 2.0 Hp | 2.46 Hp | | | |
| 230V/1 phase/60Hz {3 phase} | 21 | 25 | 19.7 | 22 | 33.6 | 25 | 25 | 22 | 22 | 32.3 | |
| 460V/1 phase/60Hz {3 phase} | 11 | 14 | 10.5 | 12 | 16.8 | 14 | 14 | 12 | 12 | 16.2 | |
| Cutter Control | Red Lion | | Red Lion | | Red Lion | | Red Lion | | Red Lion | | |
| Servo Cutter Control* | Red Lion* | | Red Lion* | | Red Lion* | | Red Lion* | | Red Lion* | | |
| * Optional | | | | | | | | | | | |

SPECIFICATIONS

COMBINATION PULLER/CUTTER

CSC MODELS



| MODELS | 320CSC2 | 320CSC3 | 426CSC2 | 426CSC3 | 426CSC4 | | | | | | | | | | | |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-----------|-------------|-------------|-----------|-------------|-------------|-----------|-------------|-------------|--|
| Performance characteristics | | | | | | | | | | | | | | | | |
| Extrudate capacity in. {mm} dia. | 2 {51} | 3 {76} | 2 {51} | 3 {76} | 4 {102} | | | | | | | | | | | |
| Blade drive motor Hp {kW} | | | | | | | | | | | | | | | | |
| CSC cutter | 2.7 {2.01} | 2.7 {2.01} | 2.7 {2.01} | 2.7 {2.01} | NA | | | | | | | | | | | |
| High torque motor* | 3.8 {2.8} | 3.8 {2.8} | 3.8 {2.8} | 3.8 {2.8} | 3.8 {2.8} | | | | | | | | | | | |
| Puller drive motor Hp {kW} | 1.0 {0.75} | 1.0 {0.75} | 1.5 {1.1} | 1.5 {1.1} | 1.5 {1.1} | | | | | | | | | | | |
| Optional drive motor Hp {kW} | 1.5 {1.1} | 1.5 {1.1} | 2.0 {1.5} | 2.0 {1.5} | 2.0 {1.5} | | | | | | | | | | | |
| Optional servo drive motor Hp {kW} | 2.46 {1.83} | 2.46 {1.83} | 2.46 {1.83} | 2.46 {1.83} | 2.46 {1.83} | | | | | | | | | | | |
| Dimensions in. {mm} | | | | | | | | | | | | | | | | |
| A - Height | 66.6 {1691} | 66.6 {1691} | 66.6 {1691} | 66.6 {1691} | 66.6 {1691} | | | | | | | | | | | |
| B - Height to centerline ±2 {±50.8} | 42 {1067} | 42 {1067} | 42 {1067} | 42 {1067} | 42 {1067} | | | | | | | | | | | |
| C - Width | 26.6 {676} | 26.6 {676} | 26.6 {676} | 26.6 {676} | 26.6 {676} | | | | | | | | | | | |
| D - Length | 74 {1880} | 74 {1880} | 74 {1880} | 80 {2032} | 80 {2032} | | | | | | | | | | | |
| Belt width ±3/8 {±9.5} | 3 {76} | 3 {76} | 4 {102} | 6 {152} | 6 {152} | | | | | | | | | | | |
| Belt traction length | 20 {508} | 20 {508} | 26 {660} | 26 {660} | 26 {660} | | | | | | | | | | | |
| Feed opening | 4 {102} | 4 {102} | 5 {127} | 5 {127} | 5 {127} | | | | | | | | | | | |
| Weight lb {kg} | | | | | | | | | | | | | | | | |
| Installed | 1200 {545} | 1200 {545} | 1350 {613} | 1350 {613} | 1350 {613} | | | | | | | | | | | |
| Shipping | 1300 {590} | 1300 {590} | 1450 {658} | 1450 {658} | 1450 {658} | | | | | | | | | | | |
| Electrical requirements full load amps | | | | | | | | | | | | | | | | |
| Drive type (puller) | open loop | closed loop | servo drive | open loop | closed loop | servo drive | open loop | closed loop | servo drive | open loop | closed loop | servo drive | open loop | closed loop | servo drive | |
| Loops and Drives, Hp | 1.0-1.5 | 1.0-1.5 | 2.46 | 1.0-1.5 | 1.0-1.5 | 2.46 | 1.5-2.0 | 1.5-2.0 | 2.46 | 1.5-2.0 | 1.5-2.0 | 2.46 | 1.5-2.0 | 1.5-2.0 | 2.46 | |
| 230V/1 phase/60Hz {3 phase} | 21.0-25.0 | 20.0-22.0 | 33.6 | 21.0-25.0 | 20.0-22.0 | 33.6 | 25.0-25.0 | 22.0-24.0 | 33.6 | 25.0-25.0 | 22.0-24.0 | 33.6 | NA | NA | NA | |
| 460V/1 phase/60Hz {3 phase} | 11.0-14.0 | 10.5-12.0 | 16.8 | 11.0-14.0 | 10.5-12.0 | 16.8 | 14.0-14.0 | 12.0-13.5 | 16.8 | 14.0-14.0 | 12.0-13.5 | 16.8 | NA | NA | NA | |
| 230V/Optional 3 Phase/60Hz {3 phase} | 22.5-26.5 | 20.5-22.5 | 32.3 | 22.5-22.5 | 20.5-22.5 | 32.3 | 26.5-26.5 | 22.5-24.5 | 32.3 | 26.5-26.5 | 22.5-24.5 | 32.3 | 26.5-26.5 | 22.5-24.5 | 32.3 | |
| 460V/Optional 3 Phase/60Hz {3 phase} | 12.0-15.0 | 12.0-15.0 | 16.2 | 12.0-15.0 | 12.0-15.0 | 16.2 | 15.0-15.0 | 15.0-15.0 | 16.2 | 15.0-15.0 | 15.0-15.0 | 16.2 | 15.0-15.0 | 15.0-15.0 | 16.2 | |
| Cutter Control | Red Lion | | Red Lion | | Red Lion | | Red Lion | | Red Lion | | Red Lion | | Red Lion | | Red Lion | |
| Servo Puller Control* | Red Lion* | | Red Lion* | | Red Lion* | | Red Lion* | | Red Lion* | | Red Lion* | | Red Lion* | | Red Lion* | |

*Optional

| CUTTER HEADS |
|--------------------------------------|
| Standard: Aluminum 2-position |
| Optional: Stainless Steel 2-position |

