

Pull and Cut with Repeated Accuracy and Precision

Precisely pull and cut plastic and rubber tubing, rigid tubing, profiles, at precision tolerances and high cutting speeds. Combination Puller/Cutters are available with your choice of puller belt sizes, cutting capacities and pulling torque to meet your specific needs. The Conair CPC provides a long tradition of industrial service, easy setup and precision operation.



Model CPC-320/CSC2
(Shown with optional dead stop.)

Follows the Process for Accuracy

The Conair CPC Series combines a robust puller with a precision cutter for a fully integrated, space saving solution for tubing, pipe and profile producers. With a mast-mounted control for both functions, set-up is fast, easy and consolidated, minimizing the time required for coordinating multiple devices.

The 3 ¼ Hp servo cutter motor provides fast, clean, fly-knife cutting below a safe, interlocked, easy-access hood. Up to 5-inch {127 mm} diameter tubing may be precision cut with a range of selectable cutting modes. All functions are easily viewed, set-up and changed through the conveniently-located, mast-mounted touchscreen control, equipped with colorful, intuitive, international graphics for fast, easy understanding.

- ▶ **More torque and motor life**
Eliminating maintenance while improving performance, Conair's unique, in-line gear reducer improves torque while reducing maintenance. CRM and Helical bevel reducers are used on the puller drive system.
- ▶ **Intuitive operator control**
The CPC features a user-friendly, 10-inch {254mm} touchscreen with high visibility graphics and intuitive commands for controlling the puller and cutter. A large pop-up "soft" keypad makes recipe entry fast and easy.
- ▶ **Cutting capacity to 5 inches**
Choose belt widths from up 3, 4, and 6 inches {76.2, 101.6, and 152.4 mm} and nominal traction lengths to 20, 26, and 39 inches {508, 660.4, and 990.6 mm}. Belt options are available for cutting corrugated plastic.
- ▶ **Choose cutters for speed or torque**
Standard cutter models include precision 4:1 inline planetary gear reducer for enhanced cutting torque up to 750 RPM.

Features

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

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

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

04 Built-in cleaning
Stainless steel blade lubrication tray cleans and lubricates the blade(s) with each pass, and the cutting chamber includes a fitting for drainage.

05 Controlled extrudate grip
Adjust belts and control tension on material by opening/closing belt gap with an easy turn.

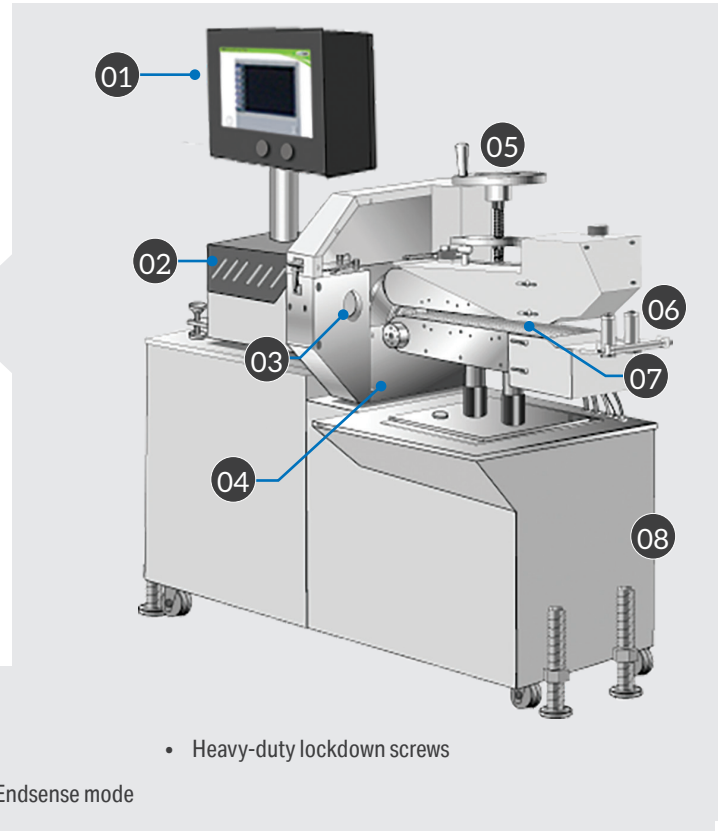
06 Centered, guided material
Adjustable rollers guide material into the belts.

07 Precise pulling
Servo motor uniformly draws and pushes material through to the cutter.

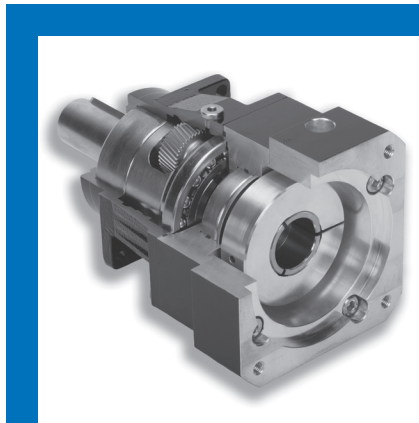
08 Optional puller enclosure

Safety features include:

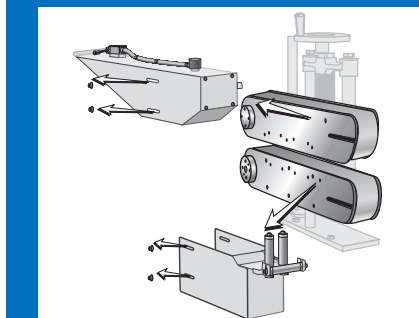
- Polycarbonate knife guard
- Electric eye and bracket for use with Endsense mode



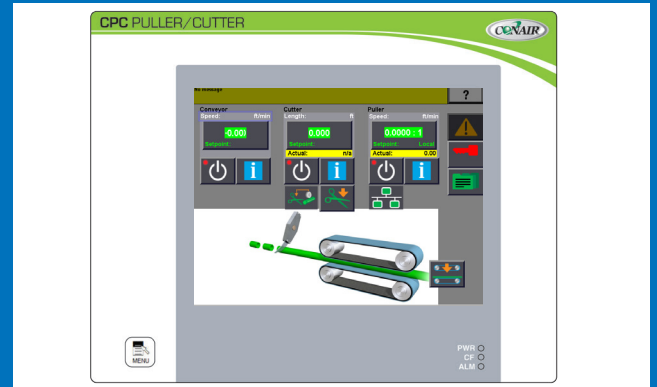
Control



In-line gearbox reducer lessens the maintenance required by traditional belt-and-pulley designs. The reducer improves torque performance, improves side load capabilities and extends the life of the servo motor. (Does not apply for L models.)



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



Standard touchscreen features include:

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



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.

Features

Puller

- Upgrade to Emerson 3.25 Hp velocity servo e-drive with plus minus 1/100 percent set speed regulation and additional lower torque at lower speeds including a serial operator interface with feet per minute and totalizing footer counter
- Electronic totalizing footage counter

Cutter

- Variable blade speed in both on-demand and flywheel cut mode
- Follower cutting mode featuring operator programs desired cut length and number of blades. Controller takes the encoder input and automatically ratios the puller speed
- Multiple lengths and batches, up to three additional lengths with associated batch counts, for use with timer and encoder mode
- Host microprocessor interface connections
- Timer mode

Options

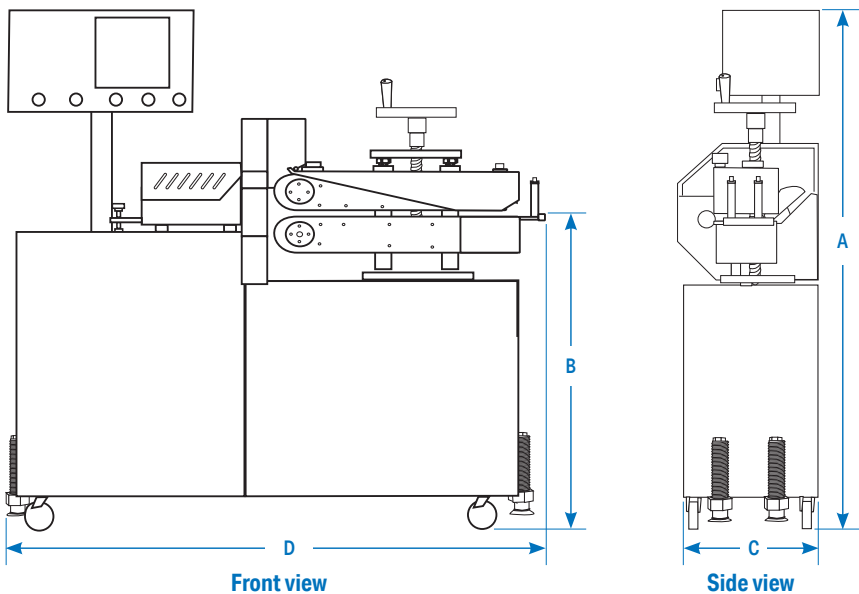
Puller

- Remote belt speed control with ten turn potentiometer and digital speed display with one hundred feet of cable
- Digital belt gap sensor
- High speed option available on some models (consult Conair)

Cutter

- Cutting torque horse power upgrade to 4.4 Hp continuous duty positional servo controller
- Stainless steel cutter head in place of standard aluminum cutter head for additional inertia
- Second axis slide base provides unobstructed access to the puller belts for processes which do not require a cutting mode
- Stainless steel cutter bushings bored to size for round product
- Electric eye and bracket for use with end sense mode, for optimizing cut-to-length accuracy. This unit is designed for cutting rigid parts from 4 to 24 in. long. (Note: It is always required to send in samples of product for proper application and set up of an electric eye).
- Blade wipe system includes brackets and felt pad mounted on the top of the brushing holder and lubricant bottle with sight valve
- Bushing lubricant system includes spray system with reservoir and nozzle and connection for customer supplied pressurized air. Spray is directed on a product at entry to cutter bushing to minimize drag associated to sticky and flexible extrusions
- 208-230/3/60, 380/400/415. or 575/3/60 power supply
- Custom paint
- Left-to-right operation

Specifications



Cutter Heads
Standard: Aluminum 2-position
Optional: Stainless Steel 2-position
Optional: Stainless Steel HD 2-position

Specification Notes
CSC2L and 3L cutters do not come with planetary reducers, allowing flywheel operation up to 3000 RPM.
* Option exists for dual servo pullers for high speeds at minimal backlash (consult Conair).
† FLA data for reference purposes only. Does not include any options or accessories on equipment. For full FLA detail for power circuit design of specific machines and systems, refer to the electrical diagrams the equipment order and the nameplate applied to the machine.
Specifications may change without notice. Consult with a Conair representative for the most current information.



Models	CPC320-CSC2L	CPC320-CSC2	CPC320-CSC3L	CPC320-CSC3
Performance characteristics				
Extrudate capacity inches (mm) diameter	1.25 {32}	2.00 {51}	2.25 {57.2}	3.00 {76}
CSC cutter motor (servo) Hp {kW}		3.25 {2.4}		
High-torque cutter motor (servo)* Hp {kW}	N/A	4.4 {3.3}	N/A	4.4 {3.3}
Servo puller motor* Hp {kW}		3.25 {2.4}		
Puller belt types		40, 55, 70 durometer natural rubber 60 durometer FDA white nitrile rubber		
Puller belt speeds ft. per minute		1 to 80, 2 to 160, or 3 to 320		
Dimensions inches (mm)				
A - Height		66.6 {1691}		
B - Height to centerline, ±2 {±50.8}		42.0 {1067}		
C - Width		26.6 {676}		
D - Length		74.0 {1880}		
Belt width ±3/8 {±9.5}		3.0 {76}		
Belt traction length		20.0 {508}		
Feed opening		3.5 {88.9}		
Approximate weight lb (kg)				
Installed		1200 {545}		
Shipping		1350 {612}		
Electrical requirements Full load amps †				
460V/3 phase/60Hz (Std.)		Consult Conair		
Models	CPC426-CSC2L	CPC426-CSC2	CPC426-CSC3L	CPC426-CSC3
Performance characteristics				
Extrudate capacity inches (mm) diameter	1.25 {32}	2.00 {50.8}	2.25 {57.5}	3.00 {76.2}
CSC cutter motor (servo) Hp {kW}		3.25 {2.42}		
High-torque cutter motor (servo)* Hp {kW}	N/A	4.4 {3.3}	N/A	4.4 {3.3}
Servo puller motor* Hp {kW}		3.25 {2.4}		
Puller belt types		40, 55, 70 durometer natural rubber 60 durometer FDA white nitrile rubber		
Puller belt speeds ft. per minute		1 to 126 and 4 to 440		
Dimensions inches (mm)				
A - Height		66.6 {1691}		
B - Height to centerline, ±2 {±50.8}		42.0 {1067}		
C - Width		26.6 {676}		
D - Length		86.0 {2184.4}		
Belt width ±3/8 {±9.5}		4.0 {102}		
Belt traction length		26.0 {660}		
Feed opening		4.5 {114.3}		
Approximate weight lb (kg)				
Installed		1500 {680}		
Shipping		1700 {771}		
Electrical requirements Full load amps †				
460V/3 phase/60Hz (Std.)		Consult Conair		
Models	CPC426-CSC4	CPC426-CSC5	CPC639-CSC4	CPC639-CSC5
Performance characteristics				
Extrudate capacity inches (mm) diameter	4.00 {101.6}	4.5 (Puller limits size)	4.00 {101.6}	5.00 {127}
CSC cutter motor (servo) Hp {kW}		4.4 {3.3}		
High-torque cutter motor (servo)* Hp {kW}		N/A		
Servo puller motor* Hp {kW}		3.25 {2.4} (Optional)		
Puller belt types		40, 55, 70 durometer natural rubber 60 durometer FDA white nitrile rubber		
Puller belt speeds ft. per minute		1 to 126 and 4 to 440		
Dimensions inches (mm)				
A - Height		66.6 {1691}		
B - Height to centerline, ±2 {±50.8}		42.0 {1067}		
C - Width	26.6 {676}		29 {736.6}	30 {736.6}
D - Length	86.0 {2184.4}		100 {2540}	101 {2540}
Belt width ±3/8 {±9.5}	4.0 {102}		6 {152.4}	7 {152.4}
Belt traction length	26.0 {660}		39 {990.6}	40 {990.6}
Feed opening	4.5 {114.3}		6.5 {165.1}	
Approximate weight lb (kg)				
Installed		1500 {680}		
Shipping		1700 {771}		
Electrical requirements Full load amps †				
460V/3 phase/60Hz (Std.)		Consult Conair		