



Accu-Cut 202L

Automated Tubing Cutter

Highly regarded among medical device manufacturers for its precision, speed, and adaptability, the Accu-Cut 202L Automated Tube Cutter is known for its clean, square corners and precise lengths with convenient output.

State-of-the-art options are available for recipe setup, enhanced control, clean and convenient storage, and special process needs.

The 202L can be easily integrated with Accu-Feed stick and spool feeders for fully automated manufacturing.

Commonly Processed Materials

- Polyimide
- Pebax®
- PTFE core extrusions



Key Features

- Square cuts and precise lengths on both hard and soft materials
- Fast, repeatable setup with 10-second blade and tooling change and optional Recipe Store and Save system
- "Walk-away" automation of stick- and spool-fed materials available
- Virtually unlimited processing options, including slitting, CleanAir, Deionizer and Scrap Eject
- Special process capabilities include angle cuts, dual cuts, and slitting.
- Automatic index crush control

To learn more about the Accu-Cut 202L, including a comprehensive list of features and specifications, please visit:



Specifications

Rate:	200ppm
Speed:	14.566"/second (37cm/second)
High Speed Option:	44.882"/second (114cm/second)
Standard Deviation:	.0005" (short lengths) (0.013mm)
Repeatability:	.2-.5% of total cut length in most applications
Design Annual Usage:	10 million cycles
Maximum blade force:	20 lb. (9.07 kg)
Typical materials:	All types of tubing (except metal braided tubing)
Cut length range:	.020-300" (0.51-7620mm)
Cut and slit length range:	0-100" (0-2540mm)
Length handling range:	2-1000" (5-2540cm)

OD handling range (cut):	.010-.500" (0.254-12.7mm)
OD handling range (cut and slit):	.025-.200" (0.64-5.08mm)
Power:	100-240VAC at 1A
Air:	90psi at 0.1-5cfm
HMI:	7" full color LCD touchscreen
Dimensions (standard machine):	14" x 19" x 14" (35.6 x 48.2 x 35.6cm)
Weight (standard machine):	50 lb. (22.7 kg)
Storage and operation environment:	50-100° Fahrenheit and humidity of less than 60% (10-38° Celsius)
Warranty:	1 year
Certifications:	CE optional; safety cover & interlocking switch standard
Blade types:	Gem single edge SS or carbon steel, Gillette double edge, Lutz4320, Lutz 4310

Options

- **Auto Gap:** automatically controls gap height for precise processing
- **Auto Load:** detects incoming part and starts process
- **Input guide:** helps guide part into Auto Load
- **Encoder wheel spare:** recommended; one encoder wheel is included with machine
- **Input roller guide:** guides extremely sticky parts into machine
- **Input shelf:** extends input guide length for fragile parts
- **CleanAir Deionizer:** eliminates static to allow for easier part handling
- **Air conveyor**
- **Micro-bin bag loader:** recommended for parts up to 30cm in length
- **Micro-bin jar loader:** laboratory-grade plastic jar with screw-on cap
- **Micro-bin tube loader:** recommended for parts up to 12" in length
- **Scrap Eject System:** automatically separates Lead In & Tail scrap ends
- **Stainless steel output bin:** holds parts up to 100" in length
- **Alcohol dispenser:** provides smooth cutting of silicone, PVC, polyurethane, Pebax® and other similar materials
- **High resolution:** ensures a standard deviation on short parts of 0.003" or better
- **High speed option:** increases max index speed from 14 to 40ips and max accel from 200 to 1000ips²; recommended for long parts and/or high volume
- **Recipe Database System:** eliminates errors in machine set-up
- **Barcode scanner:** allows for effortless, error-free machine set-up when used with barcode identification sheet
- **Angle cut:** utilizes a guillotine cut system for 45 degree cuts
- **Foot switch:** makes cut when pressed
- **Adjustable Blade Dampener:** provides adjustable blade damping for smooth cuts on tough plastics, including PEEK and polycarbonate
- **Sequencing option:** allows for up to 48 programmable cuts in a sequence
- **Slitting option:** provides independently programmable lengthwise slitting of one end of tube; can be turned off when necessary
- **Takeaway option:** cuts next part when a part is removed from machine output
- **Tip reference sensor:** uses a laser comparator to identify diameter change and accurately reference cut location
- **Variable angle cut:** allows for a straight and angled cut on same part
- **220VAC:** voltage option if required by CleanAir Deionizer
- **CE mark:** includes safety guard over blade
- **Dual Feed System:** utilizes a rotating mount to provide precise alignment and easy changeover between an Accu-Feed CPF and Accu-Feed LTD to an Accu-Cut
- **Printer integration:** includes software and testing
- **Stand:** high-quality, aluminum-extruded stand allows for precise alignment between a cutter and feeder; can be outfitted with wheels for easy maneuvering
- **Vertical mount:** mounts machine so that final parts may be dropped into bag
- **Wheels:** swiveling, locking polyurethane wheels provide easy maneuverability for mounted machines