



# 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 set-up, 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.



### 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, slitting, skiving, drilling and inspection
- Automatic index crush control

### 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" (2.54-12.7mm)

**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

### COMMONLY PROCESSED MATERIALS

- |                |                |                 |                    |                                    |                                  |
|----------------|----------------|-----------------|--------------------|------------------------------------|----------------------------------|
| • Teflon® PTFE | • Pebax®       | • TPE           | • Polyethylene     | • Natural suture                   | • Small diameter glass fiber     |
| • Teflon® FAP  | • PEEK         | • PET           | • Delrin® (acetal) | • Latex and natural rubber         | • Lead and silver bearing solder |
| • Silicone     | • Polyurethane | • Polycarbonate | • Polypropylene    | • Synthetic suture (polyglycolide) |                                  |
| • Polyimide    | • PVC (vinyl)  | • Acrylic       | • Optical fiber    |                                    |                                  |

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### 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 and 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 1000ips<sup>2</sup>; 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



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