



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 (+/-): .005" (0.13mm)

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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AUTOMATED HOLE DRILLERS

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 scrap ends

Stainless steel output bin: holds parts up to 60" in length

Alcohol dispenser: provides smooth feeding 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

PEEK processing: 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



SYNEO is proud to be an MMT company – the sole source for automated, process-driven medical manufacturing.

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