



Accu-Cut 700L

Automated Braided Tubing Cutter

The Accu-Cut 700L Automated Braided Tubing Cutter brings the engineering of the Accu-Cut 202L to difficult materials, including braid-reinforced tubing, stainless steel, polycarbonate and nylon 12. The 700L features a high precision automatic indexer, which provides repeatable lengths, and a full-color LCD touchscreen. It is programmable and has many options available to fit your requirements.

Key features

- Quick setup and changeover
- Low-cost, easy-to-change blade
- Automatic indexer; no mandrel necessary
- Ready-to-use with the Accu-Feed CPF for stick-fed, fully-automated, high-speed production
- Intelligent indexing system detects and prevents jams

Specifications

- **Rate:** 30ppm
- **Speed:** 14"/second (36cm/second)
- **high speed option:** 45"/second (114cm/second)
- **Standard deviation:** .003" (.08mm)
- **Repeatability (+/-):** .007" (.18mm)
- **Design annual usage:** 2 million cycles
- **Typical materials:** Braid-reinforced, PEEK, polycarbonate, nylon 12 and stainless steel tubing
- **Cut length range:** .050-72" (1.27-1829mm)
- **Length handling range:** 2-100" (5-254cm)
- **OD handling range:** 0.025-0.350" (0.64-8.90mm)
- **Power:** 100-240VAC at 1A
- **Air:** 90psi at 0.1-5cfm
- **HMI:** 7" full color LCD touchscreen
- **Dimensions (standard machine):** 14" x 20" x 14.5" (35.6 x 50.8 x 36.8cm)
- **Weight (standard machine):** 50 lb. (22.7kg)
- **Storage and operation environment:** 50-100° Fahrenheit and humidity of less than 60% (10-38° Celsius)
- **Warranty:** 1 year
- **Certifications:** CE optional; safety cover and interlocking switch standard
- **Blade type:**
 - Circular 45mm blade for rotary cut

Typical materials processed

- metal braid reinforced composite materials
- Pebax®
- polyimide
- PTFE core coextrusions

Options

- **Auto Load:** detects incoming part and starts process
- **Encoder wheel spare:** recommended; one encoder wheel is included with machine
- **Input shelf (standard):** extends input guide length for fragile parts
- **Micro Gap:** micrometer-adjusted gap height control for precise processing
- **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

Options (continued)

- **Foot switch:** makes cut when pressed
- **PEEK processing:** provides adjustable blade damping for smooth cuts on tough plastics, including PEEK and polycarbonate
- **Tip reference sensor:** uses a laser comparator to identify diameter change and accurately reference cut location
- **220VAC:** voltage option if required by CleanAir Deionizer
- **CE mark:** includes safety guard over blade
- **Stand:** high-quality, aluminum-extruded stand allows for precise alignment between a cutter and feeder; can be outfitted with wheels for easy maneuvering
- **Wheels:** swiveling, locking polyurethane wheels provide easy maneuverability for mounted machines

Scan the QR code for more information

