

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" (short lengths) (0.08mm)

Repeatability (+/-): .007" (0.18mm)

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 (cut): .025-.0350" (.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. (22.7 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: Circular 45mm blade for rotary cut

COMMONLY PROCESSED MATERIALS

- Metal braid reinforced composite materials
- Polyimide
- Pebax®
- PTFE core coextrusions

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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

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

220 VAC: 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 machine



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