

A400 AUTOMATIC CORE CUTTER

High Speed Single Knife Batch Cutting

The A400 is Appleton's fastest single knife re-cutter. It is designed to serve two roles:

- **To rapidly cut batches of fiber cores of a given length with minimum operator labor.**
- **To cut heat sensitive and/or thick wall plastic tubes and tapes.**

The A400 Automatic Core Cutter will maximize your production capacity, running up to 2 times faster than the A301 Automatic.

Built in the Appleton tradition of toughness to provide years of service, the A400 is an excellent investment. Long after the price is forgotten the cutter will be producing clean, accurate knife cut cores.

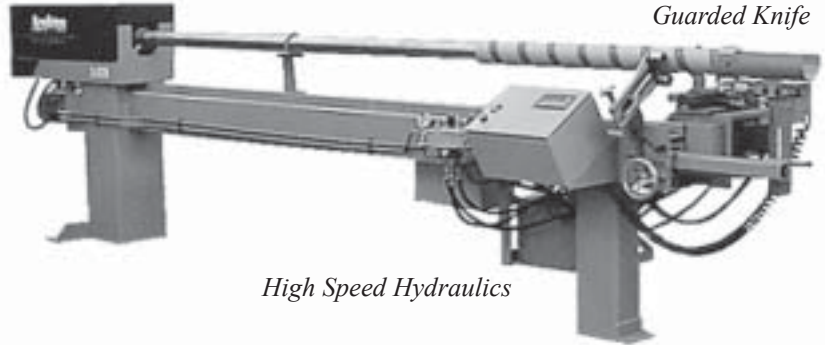
A400 benefits your operations

The A400 provides you with:

- **Faster cutting** - the result of an improved hydraulic system coupled with our fixed knife.
- **Clean, polished, cuts** - the Appleton fixed knife slices rather than saws or scores for a cleaner, faster cut.
- **Precise control** - new valving results in a wider range of operator adjustment of feed and cutting rates for optimal performance.
- **Plastic cutting** - with proper cutting tools the A400 can cut a variety of plastics.
- **Expandability** - the A400 is PLC equipped, making it ready for automation options like the auto-indexing knife or automated parent and cut core handling systems - freeing your operators for other tasks.
- **Quick diameter changes** - Five minutes for a mandrel change, or less than one minute with our patented Instant Diameter Change (IDC) mandrel system.
- **Energy Savings** - the A400 has a timer that shuts down the cutter if it has not been used for an operator settable interval. This saves wear and tear on the cutter.
- **Improved safety** - the cutter is running only when it is in service, the knife is well guarded.
- **Service prompt** - the A400 prompts the operator when it is time to service the hydraulic filter.

New Controls For Productivity

Guarded Knife



High Speed Hydraulics

A400 provides superior speed and control

- **Extended service life** - the hydraulic system runs cooler, the timer reduces non-production run time... all resulting in less wear, longer life.

Easy to use

Operation is simple... the operator loads the core and sets the target to the desired core length. The operator then presses a button on the panel to activate the cutting cycle. The A400 advances and cuts until the parent core is fully consumed.



New! The operator panel provides simple menu functions and messages to prompt operator actions or report the progress of an order or the operating status of the core cutter.

Fits your need

Think of the A400 as a chassis on which you place the modules that you need to accomplish the results you want from a new core cutting system. You're starting with a solid, proven cutter. You add the features that provide the productivity, cut quality, or core handling you need. Whether manually fed or as part of a totally automated system, the A400 Automatic Core Cutter will be configured to fit your core cutting vision. *Put Appleton Ingenuity at Work for you today.*

Specifications

Parent core length range

- 5' to 14' in 1 foot increments.
- Note that core I.D.s under 3" limit machine length to 10'.

Core diameter range

- 3" I.D. to 13" O.D.
- With options this range can be expanded down to 1" I.D. and up to 21" O.D.

Wall thickness

- 1/4" to 5/8" (includes .660" cores)
- With options the wall thickness range can be expanded to 1/8" to 3/4". For heavier walls contact Appleton Mfg.

Cut length range

- Minimum cut determined by core integrity (typically equal to wall thickness).
- Maximum length: Reference standard cut length in the chart below. Reference also optional extended cut length range.

Cut length tolerance

- ±0.010" (3 sigma)

Utilities

- 3 phase electrical power
Voltage optional
- 80 PSI Air
~6 scfm @ 60 cuts/min

Options

Extended cut-off target length

- Permits cut core lengths up to extended cut length column in chart.

Large core diameter

- Extends core diameter capacity to 21" O.D.

Small core diameter

- Permits core diameters down to 1" I.D.

Knives

- Models for cutting cores with wall thicknesses up to 1", plastics, tapes, and non-wovens.

Stroke Limit

- Used for wall thickness less than 1/4".

Digital Scale

- LED read-out of target position (cut length) for those critical cuts.

Auto-Indexing Knife

- Rotates the knife 9 degrees automatically at operator preset number of cuts. Provides 40 knife positions for uniform cut quality and extended blade life.

Electrical components

- Standard motor starters, control voltage transformers, and power disconnects are included on the frame. Customer specified components or locations optional.

Accessories

Mandrels

- A mandrel is required for each core I.D. to be cut. (Each mandrel can accommodate a range of 0.050", however, head jaws and cutting pads are limited to a ± 0.010" range.)

Patented IDC (Instant Diameter Change) mandrel system

- For 1 minute diameter changes.

Automated Core Handling

- Systems to load and unload your parent and cut cores.

Mach Size	A	B	Std Cut Length		Ext Cut Length	
			Max	C	Max	D
60	6'-10 3/4"	10'-2 1/4"	47"	15'-2 1/4"	60"	18'-2 1/4"
72	7'-10 3/4"	11'-2 1/4"	51"	16'-2 1/4"	68"	19'-2 1/4"
84	8'-10 3/4"	12'-2 1/4"	60"	17'-2 1/4"	76"	20'-2 1/4"
96	9'-10 3/4"	13'-2 1/4"	60"	18'-2 1/4"	84"	21'-2 1/4"
108	10'-10 3/4"	14'-2 1/4"	60"	19'-2 1/4"	92"	22'-2 1/4"
120	11'-10 3/4"	15'-2 1/4"	60"	20'-2 1/4"	96"	23'-2 1/4"
132	12'-10 3/4"	16'-2 1/4"	60"	21'-2 1/4"	96"	24'-2 1/4"
144	13'-10 3/4"	17'-2 1/4"	60"	22'-2 1/4"	96"	25'-2 1/4"
156	14'-10 3/4"	18'-2 1/4"	60"	23'-2 1/4"	96"	26'-2 1/4"
168	15'-10 3/4"	19'-2 1/4"	60"	24'-2 1/4"	96"	27'-2 1/4"

