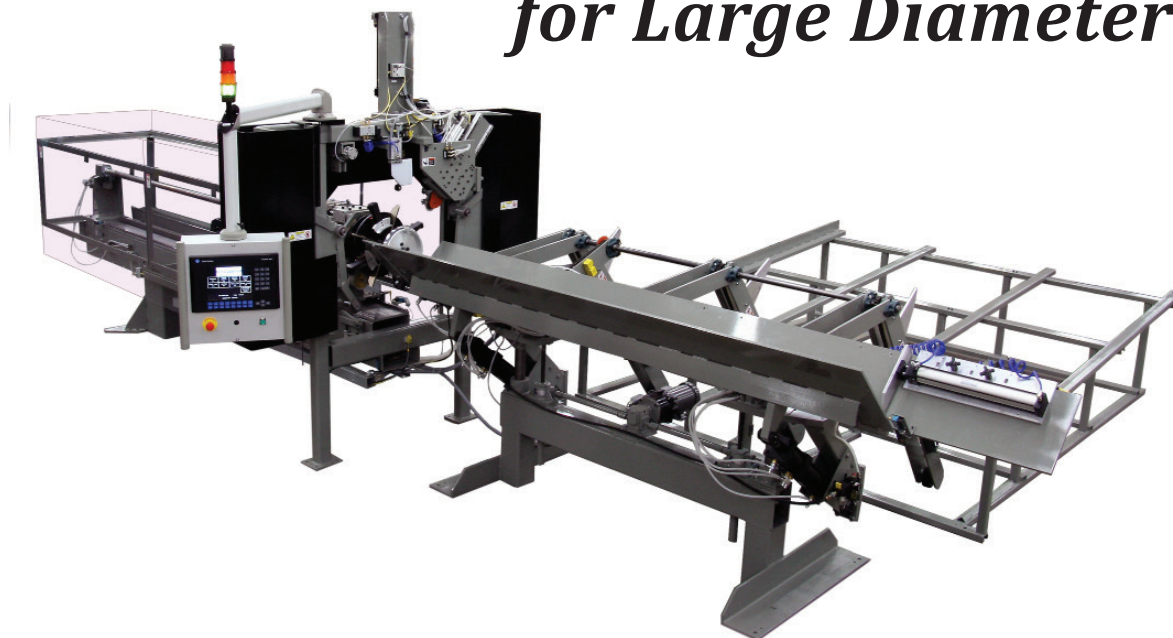# P610 Programmable Core Cutter
for Large Diameter Cores

Big Core Capacity in a Programmable Core Cutter

The P610 Programmable Core Cutter can process parent cores from 3" to 24" ID with wall thicknesses to 1" and up to 30 feet in length. The P610 has the flexibility to cut parent cores of varying lengths due to it's ability to sense the end of the core and start the next cutting cycle and is easily adjusted for different core ID's by simply changing the chuck and cutting pad.

P610 Programmable Core Cutter Features:

Automated Core Advancement – A servo controlled rack and pinion system advances the core with perfect speed and accurate position as dictated by the controller.

Clean Cuts – The air-assisted, fixed knife of the P610 makes clean, burnished cuts to within +/-0.020 to 0.030 inch of the targeted length while generating virtually no dust or noise.

Easy Core Size Change – The P610 can be easily adjusted for differing core ID's. Just change the chuck and cutting pad for the new core internal diameter. No adjustment is required to prepare the core cutter for a new core outside diameter. If you are changing core ID, a single fastener releases the cutting pad for easy swap-out.

Expandable – The P610 can be expanded with automated parent and cut core handling, plus other options, to create a completely automated core cutting environment.

Energy Saving – The P610 incorporates an auto-shutoff feature that turns the cutter off when left unattended, lowering energy costs and minimizing wear. As always, workers are safer when unattended machinery is not running.
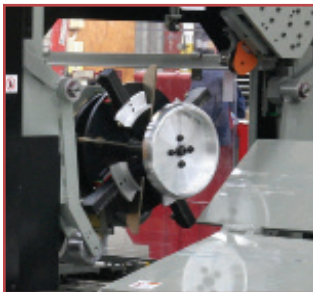
Installation and Training – Professional installation and training services are readily available from skilled technicians with years of core cutter experience.

Allen-Bradley PanelView controls

Designed for Large Diameter Cores

Easily Adjust for Different Core I.D.s. No adjustment needed for different core O.D.s.

Over 60 years of Superior Support

The P610 comes with an outstanding promise of support. If you should need technical assistance, service or replacement parts, Appleton will be there for you. Appleton still provides parts and service for core cutters built over 60 years ago – you can be assured that our tradition of superior support will bring long-term value to your Appleton core cutter investment.

Specifications

Parent core length range
· 6' to 30'

Core diameter range
· 3" I.D. to 24" I.D. (with proper tooling).

Wall thickness
· Up to 1"

Cut length range
· Minimum cut determined by core integrity (typically equal to wall thickness).
· Maximum up to parent core length minus trim.

Cut length tolerance
· ±0.020" - 0.030" each core (3 Sigma).
· ±0.020" - 0.030" sum of each set (3 Sigma).

Options

Short Core Tray or Full Length Core Tray
· 55% of parent core length or tray matched to parent core length.

Automated Core Handling
· Systems to load and unload your parent and cut cores.

Auto-Indexing Knife
· Rotates the knife 3/16" on the circumference automatically at operator preset number of cuts. Provides 40 knife positions for uniform cut quality and extended blade life.

Communication Interfaces
· Ethernet and RS232 for communication with other devices and computers.

Additional cut set storage
· Expand the number of cut sets that can be stored.

Core Printer
· Prints the cut core length on the perimeter of the core.

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

Optional P610 Autoloader
Fully Automated Core Handling Systems Available