



A Proposal For

WAUSAU PAPERS
Jay, ME

Revised Quotation #99998-1

Core Link
Core Cutting System
Model 3040

March 24, 1999

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Specifications

	<u>Customer</u>	<u>Machine (as quoted)</u>
Parent Core Length(s):	136"	136"
Inside Core Diameter(s):	3", 5", 6"	3-8"
Wall Thickness(s):	5/8"	Up to 1"
Maximum Cutting Length:	90"	110"
Minimum Cutting Length:	2"	1"
Daily Core Capacity:	approx. 300/day	210/hour
Cutting Accuracy:	$\pm 0.020"$	$\pm 0.020"$
Notch Size:	3/4" x 1"	3/4" x 1"
Core ID's to be Notched:	3-6"	3-6"
Electrical Requirements:	575 Volts 3 Phase 60 Hertz	
Pneumatic Requirements:	40 CFM at 70 Psi of compressed air	

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Description Of Equipment

1.03 Hopper Table

Each hopper table holds several parent or reusable cores at one time. (This varies, depending on core diameter.) A pneumatically actuated catch mechanism holds the cores on the hopper table. On command from the PLC, the catch releases, allowing one core to drop to the infeed station.

For core diameter and core length capability of each hopper, refer to the Specifications sheet of this document.

2.05a Model 3040 Core-Cutting System

The Model 3040 Core-Cutting System consists of an infeed station, core cutter and collection table.

The infeed station receives the parent core, one at a time, from the hopper table. The core sits horizontally on two rollers, assuring it is fully supported through the duration of the cutting process.

Setting the desired cutting length is easily done at the operator interface. The operator can enter in either a set or batch plan to the interface. Once entered, the operator enters the number of parent cores to be processed and starts the machine. Note: The cores can be any diameter and in any order. The machine then automatically cuts the requested parent cores until complete.

The core cutter is designed and proven to cut fiber cores accurately and cleanly. The cutting process is activated by pressing a pushbutton at the operator console. Initially, the core will be "clean cut" (normally the width of the saw blade) to assure a square starting point. Once activated, a driven pressure roller rotates the core as the carbide-tipped saw blade pivots up to cut the rotating core. This cutting method assures that the core is cut cleanly without any burring, that a perpendicular cut is always achieved, and eliminates the need for mechanical change parts or change time between different core diameter.

The core cutter is completely enclosed to keep the noise level below 80 dB(A). After each core is cut, a flap opens, allowing the core to be ejected onto the collection table. The collection table is on wheels so it can be moved, allowing a box to be placed for collection short cores.

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3.01 Dust Extraction Unit

The dust extraction unit is a self-contained unit consisting of a fan with direct drive and motor, shaking device for automatic cleaning of the filters, dust containers and connection for a vacuum hose for general cleaning of the machine.

Dust is collected from two points within the core cutter to assure a clean and dust-free operation. Collection at the cutting length stop extracts dust from within the core. Removal at the knife cleans the outside of the core at the point of cut, preventing dust build-up on the saw blade.

TOTAL PRICE FOR THE BASE EQUIPMENT..... (See Price Summary)

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