



## **Maxson Automatic Machinery Company**

### Dual Drive System

This stationary bed knife sheeter retrofit package replaces a cutter's existing wear-prone mechanical transmission or obsolete electronics with a reliable electrical system. The drive system allows cutoff lengths to be set in seconds, assures accuracy levels, and reduces maintenance levels of drive components. The sheeter's electrical system is comprised of drives and programmable controller in a UL approved electrical enclosure, motors and Operator interfaces.

- Within MAXSON's retrofit package, two AC vector drives are used. Each drive package governs an AC servo motor. The first motor is coupled to the draw drum, the second drives the knife revolver. Utilizing a microprocessor to govern two AC drives, sheet length accuracy (+/- 0.015", +/- 0.38 mm) is consistently maintained regardless of cut off or change in line speed. A programmable logic controller can also be included to replace or enhance existing sheeter circuitry.
- The retrofit kit includes a human machine interface (HMI) that allows the Operator to input the cut off at a finger touch. Sheet length and line speed can be toggled between imperial and metric units. Counting screens monitor total sheet count and can be configured to accommodate number of webs being sheeted as well as the number of piles being produced. A "Knife Maintenance Count" monitors the ongoing number of knife cuts, to be used as a preventative maintenance tool to schedule blade changes.