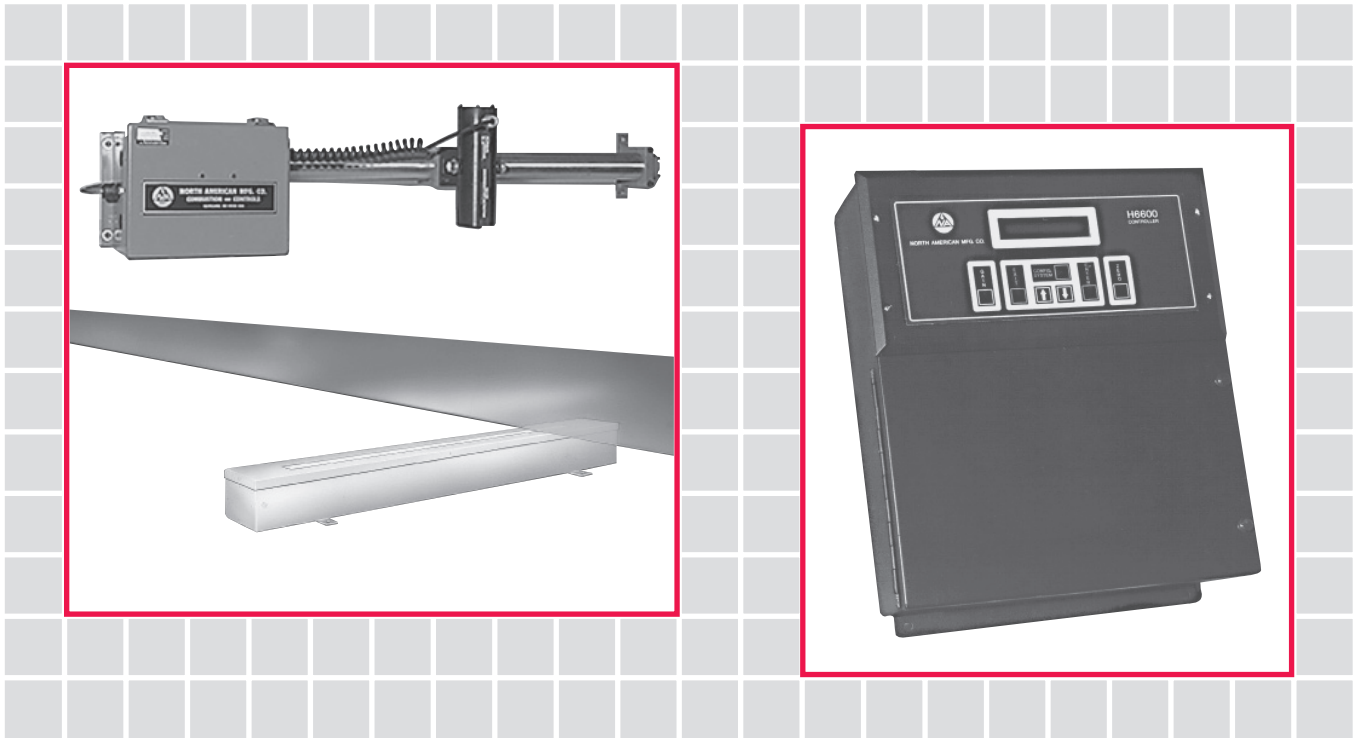


## Self-Seeking Edge Control System

with H6600 Electronic Controller



Recoiling operations require that the edge detector be positioned to the edge of the strip at the start of each new coil. Fives North American's self-seeking positioner system accomplishes this function automatically. At the beginning of a new coil, by activating self-see, the detector is automatically positioned until the strip edge is sensed by the detector. When the detector is properly aligned, the system locks in that position and the function of the detector is transferred to coil alignment control. Since the detector is electronically aligned with the edge at this point, there is no "jump" in control point upon start of automatic control. The detector acts as the guiding sensor for the remainder of the coil until self-see is again activated at the start of the next coil.

Operator involvement is minimal. To start the process, an "initiate self-see" pushbutton is activated. Once the detector reaches position, the control automatically transfers to guiding control. The operators attention can therefore be focused on other activities. Alternatively, the control can transfer into a standby mode awaiting an automatic command signal from a switch before performing the guiding function.

The automatic system is quicker and more convenient than manual handwheel type positioning systems. It is also simpler and cleaner than the hydraulically actuated systems.

A typical self-see control system consists of:

- A model H5542 motorized detector positioner with an integral motor drive and an appropriate edge detector mounted. Typically, a model H3109 edge detector with a H3137 fluorescent light source and H3186R ballast offer the best control for these applications.
- A H6600-SS-01 or H6600-SSSW-01 electronic controller with self-see/auto transfer circuitry.

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