



***Machine Control Specialists Inc.***

## Model 307 Stick Winder with Automatic Paper Feed

Paper feed precisely  
synchronized to spindle

Adjustable feed rate handles  
1MIL paper

Programmable shelf height

Programmable feed length

High speed spindle

Servomotor spindle and  
Traverse Axis

Servomotor Paper Feed and  
Shelf Position

Conversions available for  
Leesona 107 Machines

Includes 'CoilPro'  
multi-media based MCS4  
control

Use Video, Graphics and  
Audio to train operators

On-Line Setup, diagnostic  
and maintenance manual

Display operator messages

On-Line audio and video  
operator instructions



The Model 307 stick winder is a recent design that is based on the industry standard Leesona 107. It is greatly improved with a PC based MCS4 control and a combination of servomotors and air operated devices. The machine is fully programmable on all functions related to winding and paper feeding.

The spindle is driven by a high speed brushless servomotor. Position and speed are controllable by either the winding program or programmable foot pedal for hand operations. The traverse is driven by a brushless servomotor and zero backlash lead screw. Traverse position is fully programmable to make movements in addition to layering during winding.

The paper feed unit is operated by both air cylinders and motors. The paper length is precisely measured by a servomotor driven roller. The shelf that carries the paper to the coil is positioned by a servomotor that brings the paper to the exact point that will place the paper in the coil. The insert rollers are driven by a stepper motor that fires the paper at the precise point that the traverse is changing direction. The paper cutter is automatically operated by air cylinders. The whole paper feed unit is raised as each layer of the coil completes.

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