

New Solid State Circuitry

Ajustable Length Multiple Bobbin Winder

**High Speed Positive Locking Tailstock
Oil Bath Lubricated Internal Gears**

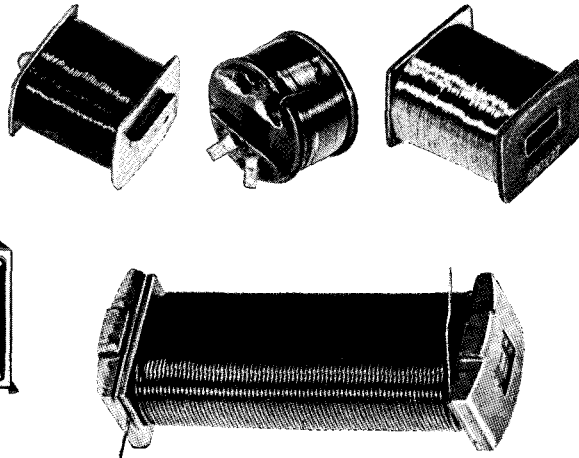
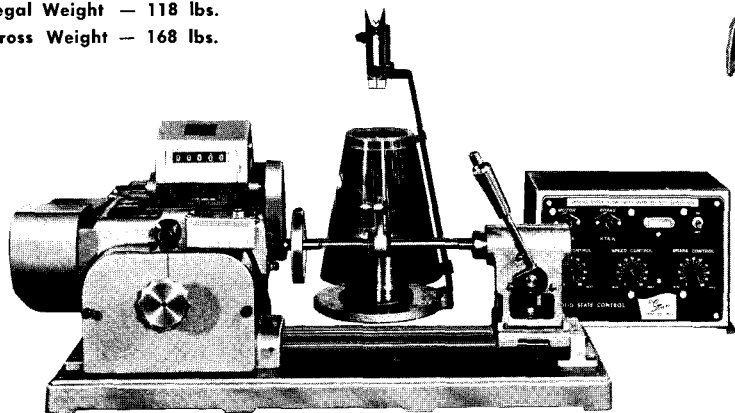
Model 319-AM

Dimensions: 28" L x 15" W x 12 $\frac{3}{4}$ " H

Net Weight — 112 lbs.

Legal Weight — 118 lbs.

Gross Weight — 168 lbs.



Types of Windings: All types of random wound Bobbin Coils, Solenoids, Repeater Coils, Resistors.

Maximum OD of Coil: 5 $\frac{1}{2}$ ".

Maximum Coil Length: 2 $\frac{1}{2}$ ".

Maximum Loading Distance For Multiple Winding: 7 $\frac{1}{2}$ ".

Wire Sizes Wound: 18 to 46.

Tension Equipment: One furnished. Specify Model 92-6CL for wire gauges 38 to 46 on spools up to 6" diameter; specify Model 92-6C for wire gauges 24 to 38; specify Model 92-6D for wire gauges 18 to 24.

Built-in Adjustable Cam: Provides any winding traverse an infinite range between 0 and 2 $\frac{1}{2}$ " — an outstanding feature. There are no cams to change when changing winding widths. A substantial saving is made because no additional cams are needed. Entirely eliminated are the problems and costs of cam storage, misplacement and replacement.

Gears: One winding set-up furnished with 48 pitch 3/16" face $\frac{3}{8}$ " bore gears completely enclosed for operator's safety. Gears range from 30 to 120 teeth. Built-in dual power take-offs provide additional ratios with the same gearing and insure extra power for heavy wire winding.

Winding Speeds: Up to 7000 R.P.M.

ORIGINAL Slow-Start Feature: Eliminates wire breakage. When started, winding speed builds up gradually during a preset time cycle, then shifts into high speed for duration of winding. This feature can be dialed out instantly.

New One-Way Clutch: Insures positive drive and effortless return of winding arm to starting position.

Set-up Time: Complete job change-over takes only 5-10 minutes. A gear chart with formula is furnished to aid in selecting proper gearing.

Motor Equipment: Custom built $\frac{1}{4}$ H.P. variable speed motor and built-in speed control for 115 volt single phase operation. Step

down transformer is available for 230 volt single phase operation at additional cost.

Extra Economy Positive Stopping Magnetic Brake: Eliminates main cause of coil rejection by stopping machine automatically after correct number of turns have been wound.

Instant Automatic Brake Release: A time-saving feature. After coil is wound, brake releases instantly, automatically, permitting operator to unfasten start lead quickly and begin next coil.

Instant Re-Setting Automatic Counter: New time-saving Automatic Counter permits instant re-setting of the winding cycle by merely touching a lever. This immediate action, repeated many times, can save up to 15% labor cost daily. Accordingly, substantial savings may be made over a period of weeks, months and years.

Mounting: Permanent tailstock alignment is assured by parallel rod bed construction on ground cast aluminum base. Motor and machine are integrally mounted for easily changing location in shop. Compact design features completely enclosed motor and drive belt.

Output End of Spindle: $\frac{1}{2}$ ", flatted shaft. Will accommodate chucks or mandrel adaptors.

Standard Spindle Direction: Top going (clockwise as viewed from work end of spindle) unless otherwise specified at time of order.

HIGH SPEED POSITIVE LOCKING TAILSTOCK: An *exclusive* feature. Unique construction prevents any runout, assuring true alignment between tailstock and main spindle. Special triple ball bearing arrangement assures long life and smooth operation even under exceptional thrust load at high speeds. Male or female centers can be supplied as required.

Optional Tension Safety Attachment: Protects operator by stopping machine instantly if wire breaks or wire supply is exhausted. Mounted on Model 92-6 tension only. Optional at extra cost. Described on page 57.

Other Features: Machine can be supplied, at extra cost, with longer base, increasing the distance between head and tailstock to provide even greater area for simultaneous multiple winding.

IMPORTANT: When ordering be sure to specify: (1) wire size and winding width to insure receiving proper gears in machine. (2) Tension desired. (3) Male or female tailstock centers. (4) Optional Automatic Emergency Stop Attachment if desired.

Geo. Stevens

GEO. STEVENS MFG. CO., INC. · 6001 No. Keystone Ave., Chicago, Ill. 60646

The Most Complete Line of Coil Winding Machines Made