

Front Loading Multiple Head Bobbin Winder

(Adjustable Winding Length)
Oil Pump Lubricated Internal Gears and Cam

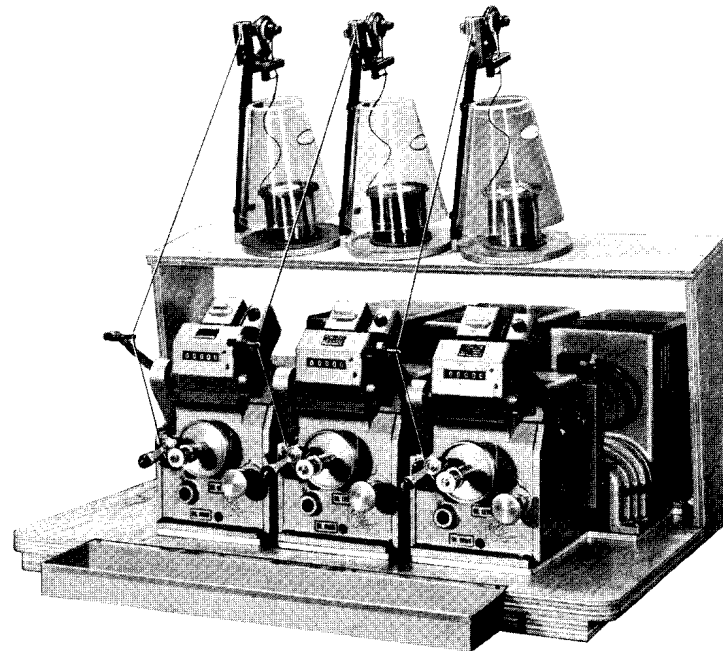
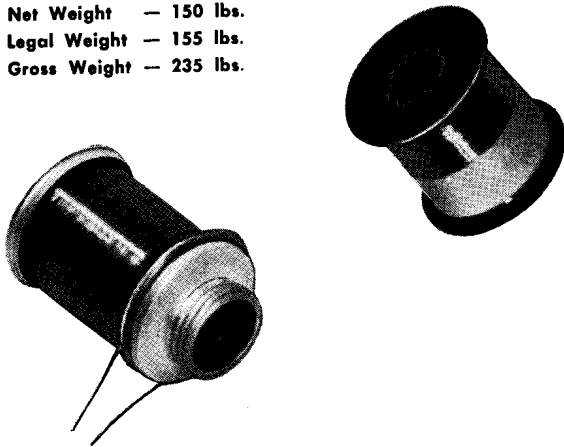
New Solid State Circuitry

For 3-Head Unit

Dimensions including bench and tensions: 44"L x 28"W x 70"H
Net Weight including bench — 554 lbs.
Legal Weight including bench — 564 lbs.
Gross Weight including bench — 665 lbs.

For Single Head Unit

Dimensions (without bench and tensions): 33"L x 14"W x 16"H
Net Weight — 150 lbs.
Legal Weight — 155 lbs.
Gross Weight — 235 lbs.



Note Extreme Compactness

Types of Windings: Each head winds all types of Bobbin Coils, Solenoids, Repeater Coils or Resistors. One operator may run any multiple of heads depending upon the coil characteristics. 3 heads are illustrated. If desired, a different type of coil may be wound on each head simultaneously.

Maximum OD of Coil: 4".

Maximum Coil Length: 0-2½" standard. ½"-3" optional at no extra cost if specified at time of original order.

Maximum Loading Distance For Multiple Winding With Tailstock: 4".

Wire Sizes Wound: 28 to 46 A.W.G. Can wind 18 to 46 A.W.G. with speed reduction of approx. 1000 R.P.M. in 2 speed ranges.

Tension Equipment: One Model 92-6C De-Reeler tension furnished per head for handling wire gauges 24 to 38 on spools up to 6" diameter. Specify Model 92-6D for wire gauges 18 to 24 and Model 92-6-CL for wire gauges 38 through 46.

EXCLUSIVE FRONT LOADING: An important safety and time-saving feature attained by spindle's facing

operator. This open work area around the coil also insures faster handling.

EXTREME COMPACTNESS: Up to 4 heads are handled by 1 operator without shifting position. Only 10" between winding spindles. When 3 spindles are used, the 2 outer spindles are only 20" apart. A valuable space saver because machine requires minimum floor space.

Gears: Faster gear changing due to extremely accessible location of gear box on top of head. One winding set-up furnished with 48 pitch, 3/16" face, 3/8" bore, gears completely enclosed for operator's safety. Winding range is from 8 to 800 turns per layer.

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.

Winding Speeds: Up to 8500 R.P.M. for wire sizes 28 to 46. For wire sizes 18 to 46, optional step pulley permits low speed high torque range up to 4500 R.P.M. and low torque high speed range up to 8000 R.P.M.

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

The Most Complete Line of Coil Winding Machines Made

Model 314-AMJ3

Front Loading Multiple Head Bobbin Winder (Continued)

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

Set-up Time: Complete job change-over takes only 5-10 minutes per head.

Motor Equipment: Each head individually motorized. Custom built $\frac{1}{4}$ H.P. variable speed motor with speed control for 117 volt (nominal) single phase operation. Step down transformer is available for 230 volt single phase operation.

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 Re-Setting 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: For easy portability and convenience, each head is individually mounted on its own ground steel plate.

Built-in Adjustable Cam: Turning a knob 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.

Time-Saving Coil Holding Tray: Permits instant loading by conveniently placing empty bobbins directly in front of operator. Tray runs full length of machine(s), assuring ample bobbin supply.

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.

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

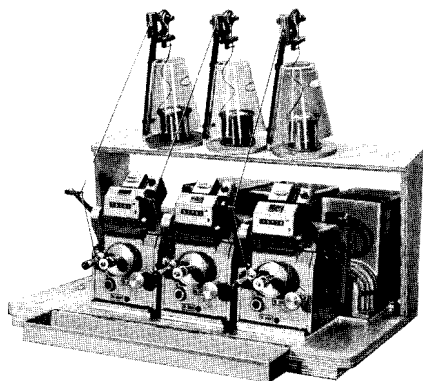
Standard Spindle Direction: Counter-clockwise as viewed from front of machine.

New 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.

Optional: Quick acting lever operated tailstock has ballbearing live center and is easily moved to accommodate various coil lengths. Available at extra cost.

Exclusive Feature: Plug-in solid state control chassis is easily removed from machine for ease of maintenance.

IMPORTANT: When ordering be sure to specify: (1) Number of heads. (2) Tension desired. (3) Wire size and winding width to insure receiving proper gears. (4) Tailstock if desired. (5) Winding speed range.



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