

The New . . .

Toroid Winder

by Gorman Machine Company



- EASY TO OPERATE
- HIGH SPEED
- AUTOMATIC 360° ROTATION
- REMOVABLE SHUTTLES
- PORTABLE
- WIDE RANGE OF COIL SIZES

Features

Attractive compact design with operator appeal. Handy tray top on casting for operator equipment.

Portable, approximately 40 pounds. Rugged aluminum casting for base. Size 20" by 16" by 10" high.

Electronic counter built into base, driving Sodeco register for accurately counting turns. Turns counter is mounted in line of sight with coil being wound. The operator can watch the counter while hardly taking eyes from the toroid. Instant reset lever at fingertip reach.

Speed infinitely variable by hand or foot rheostat from 0 to 1200 turns per minute. Speed may be limited to any preset maximum for optimum results.

Motor reversible for winding shuttle. Turns register acts as footage counter while winding up shuttle.

Predetermined counter can be used by connecting with jack provided in side of machine.

Automatic 360 degree rotation of core is infinitely adjustable by vernier dial knob. The whole 360 degree rotation assembly is removed or adjusted in seconds. The assembly is tilted towards the operator to permit easier sighting through the core while winding, without straining the operator's neck.

Features

All three rollers supporting the core are driving rollers. This permits positive even rotation of the core in spite of uneven buildup of wire during very slow rotation of the core.

All three rollers supporting the core open outwardly at the same angular rate, which means that the coil will always maintain its same center with relation to the bobbin regardless of wire building up while winding. The operator is relieved of the responsibility of adjusting the position of the coil as it expands during winding.

Clamping pressure of the three rollers is easily adjusted by knob. As all three rollers drive the coil, less pressure need be exerted on strain-sensitive magnetic tape cores while still maintaining positive rotation. Rotation can be instantly reversed while running.

Loading and unloading coils is facilitated by sliding the right roller support arm backwards and out of the way.

Complete bench to bench winding cycles as short as $1\frac{1}{2}$ minutes, or 40 per hour, are possible with this machine.

All four wheels drive the shuttle which is cushioned on rubber for silent running. The rear two rollers rotate inwardly together for quick removal of shuttle and finished coil.

Taps may be pulled out while the machine is running slowly by merely putting a finger in hole in the side plate.

Features

Precise control of the wire tension is maintained by a wire slider inside of the toroid being wound. For winding heavier wire with our larger shuttles, the slider is mounted on the side of the shuttle.

Specifications

Wire range AWG No. 26 to No. 46.

MIN Maximum toroid I. D. .075 inches.

Maximum toroid O. D. 2 inches.

Maximum height of toroid .75 inches.

Winding speed up to 1200 turns per minute.

Dimensions 20" x 16" x 10" height.

Weight 40 pounds.

Motor 115 volt, 60 cycle, ball bearing Bodine motor.

Automatic or manual rotation of core

Shuttles are 4 inches in diameter and come in six standard sizes, .073", .095", .106", .135", .187", .250".

All surfaces in contact with magnet wire are hard chrome plated and polished to a mirror finish to protect the insulation. Any three shuttles of your choice are provided with the machine.

**Price complete with 360 degree rotation, three shuttles,
and built-in electronic counter**

Price complete with all equipment except 360 degree rotation

We invite you to a demonstration of the Gorman Toroid Winder
at any time on the premises.

GORMAN MACHINE COMPANY

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