



### **3-PHASE “LIGHTING” WINDING HEAD MODEL CWDE2103**

This 3-Phase Winding Head will easily and quickly produce precisely shaped mush coil which will readily fit into the stator slots of your motor.

The winding head consists of a rigid frame, equipped with 3 pairs of Winding Arms and Fingers, each opposed set of Arms moving together from the frame center with a uniform distance of travel, by means of a Screw common to each pair, motivated by a Crank mounted at the end of each Screw. A Scale attached to the Cross Arms indicates, in inches, the dimensions of the new coil desired.

Due to the close tolerances maintained on the Adjusting Screw and its assembly, there may be some stiffness of operation until the Adjusting Screw has been thoroughly worked in. Therefore, you will find attached to one of the Support Arms of this Winding Head, a large Extension Crank which will assist in turning the smaller Adjusting Cranks until the Adjusting Screw is completely worked in.

Six (6) identical coils may be wound in succession on this head. This set of coils can readily be removed from the Winding Head, simply by revolving the Winding Fingers one-half turn. After removing the coils, the Winding Fingers may be turned back one-half turn to a locked position. This feature, together with the use of the six (6) guide Finger set furnished, permits six (6) coils to be accurately wound to shape.

Correct tension is easily maintained by the use of the usual tension block and by the wire guide. The rigid frame of the Winding Head, along with the Guide Fingers, allows a minimum of wire tension to be used in the production of six (6) identically sized coils.

#### **PURPOSE:**

Winds diamond shaped 3-phase coils. (For motors 1/4 HP to 75 HP).

Group winding up to six (6) coils.

(Diamond shaped coils tip to tip of 5” to 19-1/2”, and widths of 2-1/4” to 11-1/2”).

#### **MAINTENANCE and STORAGE:**

When not in use, store unit within a plastic bag.

#### **WARRANTY:**

This equipment is warranted to the original owner against defects in materials and workmanship for ninety (90) days from date of purchase. Any part found to be defective (except by overloading, misuse, neglect, fire, accident, tampering with by unauthorized serviceman, or other cause beyond the manufacturer s control), will be replaced or repaired free of charge.

## SPECIFICATIONS:

Term "Lighting" Head is because of fast set up and coil removal.

Four (4) permanently attached Cranks adjust the Winding Arms in pairs and the upright Fingers in pairs simultaneously. Finger Spacers rotate (lift and turn) on the uprights for ease of coil removal.

Easy to read Scales (calibrated in 1/4" increments) for fast and accurate setups.

One (1) extra Finger Spacer supplied, for use as a wire guide.

One (1) Extension Crank supplied